

**Annual
Report** 2020-21



**UNIVERSITY OF
AGRICULTURE**
FAISALABAD - PAKISTAN

Targeted Milestones Achieved

(Quick Facts)

Ranking of the University

- QS World University Ranking (London) 2021 by Subject:**
Agri. & Forestry
 World: 87th out of 402
 Asia: 18th out of 103
 Pakistan: 1st out of 7
- NTU Ranking (Taiwan) 2021**
Agricultural Sciences
 World: 51st out of 502
 Pakistan: 1st out of 1
Plant & Animal Sciences
 World: 129th out of 502
 Pakistan: 1st out of 1
Agriculture
 World: 154th out of 494
 Pakistan: 1st out of 1
- Times Higher Education World University Ranking (United Kingdom London) 2021**
Overall
 World: 806th out of 1527
 Pakistan: 4th out of 17
by Overall (Agriculture & Forestry)
 World: 344th out of 688
 Pakistan: 3rd out of 11
by Region (Asia)
 World: 251st out of 551
 Pakistan: 5th out of 16
by Region (Asia) Agriculture & Forestry
 World: 86th out of 241
 Pakistan: 3rd out of 10
by SDG 01: No Poverty
 World: 102nd out of 591
 Pakistan: 1st out of 25
by SDG 17: Partnership for the Goals
 World: 203rd out of 1154
 Pakistan: 1st out of 39
By SDG 13: Climate Action
 World: 24th out of 566
 Pakistan: 1st out of 20
by SDG 12: Responsible Consumption and Production
 World: 201st out of 303
 Pakistan: 3rd out of 12
by Overall (World)
 World: 302nd out of 1115
 Pakistan: 2nd out of 36

- Hybrid courses:** Fifty hybrid courses have been developed by the University for online accessibility of students
- Language Courses:** Chinese, French English (IELTS) are conducted by the university
- Honors/Awards**

International Award	-
National	-
Research Productivity Award	
Capacity Building foreign trainings under HEC program (IRSIP)	22
HEC approved PhD supervisors at UAF	-

- Degree Programs**
 - UAF takes care of more than 173 degree programs
- Publications with/without Impact Factor**

With Impact Factor	1462
Without Impact Factor	428
Citations (2020)	33063

- Research Projects/Products Commercialization**

Ongoing Research Projects (Worth Rs. 1426.326 million)	152
Research Projects completed (Worth Rs.41.89 million)	23
Research Projects Newly launched (Worth Rs. 679.28 million)	25
Products/Patents commercialized	-

- Scholarships/Financial Assistance**

Government funded scholarships including that of Ehsas, Pakistan Bait ul Mall, MORA, PEEF, PEF etc (Rs. 20.39 million)	374
HEC funded (Rs. 240 million)	2717
UAF is provided scholarships on merit and need based (Rs. 86.16 million)	3845
Private Donors (Rs. 21.01 million)	481
Total 367.56 million PKR	7354

• Seminars/Symposia/Conferences/ Workshops/Trainings

Faculty members pursuing PhD/Post Doc	59
Teachers proceeded on long and short trainings in different countries	94
Teachers participated in different seminars/symposia/conferences etc. within the country	102

• MoUs signed by the University during the reporting year

MoUs	2020-21	Total
International organizations	10	132
National organizations	20	109
Total	30	241

• Manpower trained during the reporting year

Name of degree	Number
PhD	132
MPhil/MS	3780
MSc (Hons)/MSc/MBA	3190
BSc (Hons)/DVM/BSc	2365
BEd	526
Intermediate	363
Total	10356

• Faculty Positions

Categories	Total
Professor	39
Associate Professor	114
Assistant Professor	191
Lecturer	244
Research Officer	23
Web Developer	04
Network Administrators	02
TOTAL	617

• Sports/Co-curricular Activities

Debates, Dramas and Quiz Competitions (off –campus)	10
Student Competitions conducted by Senior Tutor Office (on-campus)	22
Participation in Inter-Varsity Sports Championships	13
i. Boys	10
ii. Girls	03

• Student Enrollment

Degree	Male	Female	Total
Undergraduate	11586	7733	19319
Postgraduate	3039	2852	5921
Postgraduate under Evening/ Weekend at main and sub campuses	5068	5523	10591
Total	19693	16108	35801

• Community Service Events

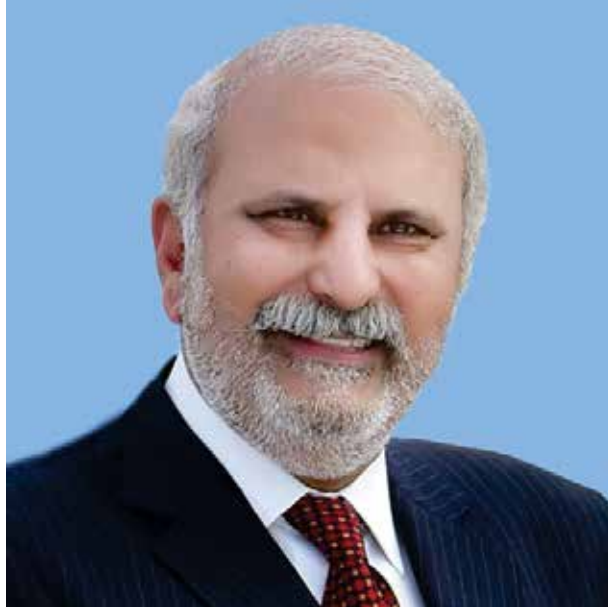
SN	EVENT	NOs.
1	Qirat & Naat Competitions, Islamic Lectures, Islamic Seminar	2
2	Public Sector Universities, Colleges and Institutes visits	6
3	Public Sector Organizations Programs	15
4	Private Colleges, Institutes and Schools visits	6
5	Private Sector Organizations Programs	4
6	PASTIC Stalls	0
7	Entry Tests of Public/Private Organizations	5
8	Foreign visits	2
9	Pink Ribbon Day, International Women Day, Seminar on Breast Cancer Awareness/Women on Wheels	1
10	Seminars/Workshops/Symposia/ Conferences/Trainings/Lectures/ Courses and Programs held at UAF	32
11	World Veterinary Day, Walk for World Rabies Day, Anti-Corruption Week, Kashmir Solidarity Week, Anti-Corruption and Character Building, Sieger Dog Show, Blood Camp, Road Safety Walk, Labrador Breed Specialty Show	04
	Total	77



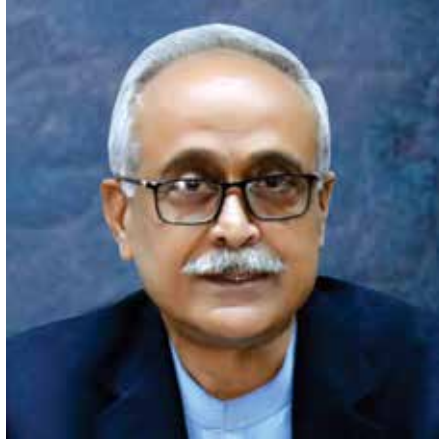
Ch. Muhammad Sarwar
Governor of the Punjab/Chancellor



Sardar Usman Buzdar
Chief Minister of the Punjab



Syed Hussain Jahania Gardezi
Minister for Agriculture / Pro-Chancellor



Prof. Dr. Iqrar Ahmad Khan (S.I)
Vice Chancellor

Foreword

The University of Agriculture, Faisalabad (UAF) aims to create long term impact via sustainable agricultural production, technological innovation, and competent humanpower to, ultimately, provide innovative knowledge, breakthrough research, and futuristic leadership.

Under its prime mandate, UAF expands, advances, and promotes education and research on modern lines to compete with international players. In pursuing its commitment to education, research, and community service, UAF links research activities directly to the educational and economic priorities of the country.

Though COVID-19 hampered economic and academic activities worldwide during 2020-2021, National Command and Operation Center (NCOC) in Pakistan not only revamped the academic, research, and healthcare system in the country but also provided policy guidelines to educational institutes. Despite the slow pace of activities, the UAF maintained its inflow of extramural funding from diverse sources. This funding not only helped sustain the momentum of a variety of initiatives but also opened new opportunities to address problems of climate change, food security, malnutrition, water scarcity, energy crises, and value addition of agricultural products.

The annual report 2020-21 encapsulates the UAF ambitions, achievements, and initiatives in diverse fields of learning and innovation during the year: UAF research was transformed into products and services for the community; several research patents were registered and applied; various seminars, conferences, symposia, and workshops were organized for researchers to stay updated with current knowledge and continue the conversations about community's problems that were aggravated by COVID-19.

UAF scientists and administration became more acutely aware of their communal and national responsibilities during COVID-19. In response to these increased responsibilities, UAF took over multiple large-scale research, academic infrastructure, and community

service projects. UAF established flagship projects like "Pak-Korea Nutrition Center", "National Center for Genome Editing for Crops" and "Seed Center". Crop varieties, Quinoa UAF Q-7, Maize Pro-Vitamin A, and flower varieties, Golden Princess and Golden Beauty (Gul-e-Ashrafi), were approved by the respective fora for general cultivation while mango, okra, wheat, cotton, and sunflower are at various stages of approval. In collaboration with the Punjab Agriculture Department, UAF launched a massive provincial campaign on Wheat Growing and Farmers' Consultation. UAF deputed ~20000 students and ~100 faculty members in five divisions of Punjab to develop awareness in farmers about the Government of Pakistan's incentives and policies like Kisan Card, Agricultural Transformation Plans, and National Productivity Enhancement plans under the dynamic leadership of Syed Hussain Jahanian Gardezi, Minister of Agriculture and the Pro Chancellor, UAF.

Thus, the University of Agriculture, Faisalabad has evolved under contemporary challenges and its larger goals to transform national agriculture and help the farming community thrive. UAF initiatives, research, and community service projects would ultimately help agriculture acquire a status comparable with other professions that are generally acclaimed as more prestigious. Considering the contemporary interdisciplinary research, UAF powers ahead with a focus on quality and impactful research and knowledge distribution to solve the problems of the farming community and civil society.

The visionary leadership at UAF is confident that the university will continue to grow and expand steadily, with reenergized spirits, resurrected vision, and stiffened resolve to overcome any challenges, looking for new vistas of progress, innovation, and prosperity.

Last but not the least, I appreciate the whole editorial team for doing a commendable job of preparing this annual report that reflects the tenacity, devotion, and commitment of the faculty and administration at the University of Agriculture, Faisalabad.

Contents



2020-21

10	Vision	11	Mission	12	Brief on the UAF
21	Controller of Examinations	24	Directorate of Students Affairs	25	Research & Development (an Overview)
27	Research Projects	65	Research Journal & Research Publications	66	Summary of Publications
77	Operation of ORIC	82	Quality Enhancement Cell	86	Director Academic & Teaching Resource Center
87	Staff Position	88	Faculty Development	118	University Building Economy
120	Strengthening Technological Infrastructure	129	Universities Building Communities	148	Commercialization at UAF
162	Strengthening Physical Infrastructure	167	Directorate of Financial Assistance & Advancement	174	Directorate of Sports
176	Tutorial System/ Art & Literary Forum	184	Finance	186	University Governance
191	Health Centre/ Medical Facilities	192	Public Relations & Publications (PRP)	195	Office of University Books & Magazines
196	Confucius Institute	199	CAS-AFS		



Vision

To lead the change through outstanding achievements in learning, discovery, innovation and community service with a clear focus on programs of significance to agricultural and rural development.



Mission

In order to make Pakistan a prosperous, food-secure and resilient nation, UAF aims at the following goals:

- To advance knowledge through basic and applied research
- To revamp human resource development by transforming the pedagogic process from teaching to learning
- To facilitate lifelong learning by providing agriculturally focused academic programs
- To promote agrarian reforms through research based agricultural policy
- To disseminate knowledge to the community through extension and outreach
- To promote sustainable farming and food systems, from production through consumption

BRIEF ON THE UNIVERSITY OF AGRICULTURE, FAISALABAD

INTRODUCTION

The first major institution of higher learning in agriculture was the Punjab Agricultural College and Research Institute, Lyallpur. It served for major part of the nineteenth century as a premier seat of learning and training in tropical agriculture by creating and transmitting appropriate knowledge, to promote agrarian development in the country. Of course, this was the beginning of projecting a great movement forward to embrace a new way of life.

After independence, the Government of Pakistan appointed a National Commission on Food and Education with the terms of reference to review, the prevailing agrarian system and to



formulate measures for developing the full potential of Pakistan's agricultural resources. The Commission made a strong plea for establishing an Agricultural University which could play a more vigorous role in promoting research and education in agriculture. Pursuant to these recommendations, the Punjab Agriculture College and Research Institute was upgraded to the University of Agriculture, Faisalabad in 1961-62.

The Governor of the Punjab is the Chancellor of the University, with the Minister for Agriculture, Punjab as its Pro-Chancellor. The Vice Chancellor is the principal executive and academic officer of the University, who is responsible to run the University in accordance with the provisions of the University Act, Statutes, Rules and Regulations. The Chancellor

is the appellate authority in any action taken or order passed by the University, and can order review action on merit.

University of Agriculture, Faisalabad, being the kingpin in producing highly educated, trained and inspired manpower-the future scientists, professionals and leaders - has been playing pivotal role in modernization of agriculture and enlightenment of rural communities not only in Pakistan but also in many developing and developed countries. By mainly focusing on the transfer of knowledge to the farming community, the University is working multi-dimensionally to improve the socio-economic status of the farming community and to increase the exports of Pakistan.



Academic Organization

The academic organization is assigned to impart education, conduct research and extension in various disciplines through different Faculties, Sub Campuses, Constituent Colleges, Directorates, Institutes and Departments. The Faculties are headed by Deans, Sub Campuses and Constituent Colleges by Principals, Institutes and Directorates by Directors and the Departments by one of the senior teachers of the Department, called the Chairman/Chairperson.

The University's seven Faculties, four sub campuses, Eleven Institutes, fifteen Directorates, eight Centers and seven affiliated Public Sector Institutions are as follows:

a) Faculties

- Faculty of Agriculture
- Faculty of Social Sciences
- Faculty of Agricultural Engineering and Technology
- Faculty of Animal Husbandry
- Faculty of Veterinary Science
- Faculty of Sciences
- Faculty of Food, Nutrition & Home Sciences

b) Sub-Campuses

- UAF Sub-Campus T.T. Singh
- UAF Sub Campus Burewala
- UAF Sub Campus, Depalpur (Okara)
- UAF Community College at PARS

c) Institutes

- Institute of Soil & Environmental Sciences
- Institute of Horticultural Sciences
- Institute of Business Management Sciences
- Institute of Agricultural Extension and Rural Development
- Institute of Agricultural and Resource Economics
- National Institute of Food Science & Technology
- Institute of Home Sciences
- Institute of Microbiology
- Institute of Animal and Dairy Sciences
- Institute of Physiology & Pharmacology
- Punjab Bioenergy Institute
- Confucius Institute-University of Agriculture, Faisalabad (CI-UAF)

d) Directorates

- Office of Research, Innovation and Commercialization (ORIC)
- Directorate of Graduate Studies (DGS)
- Directorate of Students Affairs (DSA)
- Directorate of Sports
- Directorate of Financial Assistance and University Advancements
- Directorate of Planning & Development
- Directorate of Academics

- Directorate of External Linkages
- Directorate of Outreach
- Directorate of Procurement & Inventory Control
- Endowment Fund Secretariat (EFS)
- Directorate of Admission
- Directorate of Human Resource
- Directorate of Internal Audit
- Directorate of Monitoring & Evaluation

e) Centers

- Centre of Agricultural Biochemistry and Biotechnology (CABB)
- Water Management Research Centre (WMRC)
- Center for Advanced Studies in Agriculture & Food Security (CAS-AFS)
- Business Incubation Center (BIC)
- Career Development Center (CDC)
- Agri. Policy, Law & Governance (APLG) Center
- Neurocognitive Behavioral Research Center
- Saline Agriculture Research Center (SARC)

f) Affiliated Public Sector Institutions

- In Service Agricultural Training Institute, Sargodha
- In-Service Agricultural Training Institute, Rahim Yar Khan
- Pak-German Institute of Co-Operative Agriculture, Chak-5 Faiz, Multan
- Barani Agricultural Training Institute, Dahgal, Rawalpindi
- In-Service Agricultural Training Institute, Karor Lal Eisan, Distt. Layyah
- Extension Services Management Academy (ESMA) Garhi Dopatta, Muzaffarabad, Azad Kashmir
- Army Service Corps School, Nowshera Cantt.

g) Departments

There are 28 teaching departments of the University working under different faculties.

h) Schools

The University also runs following Lab. Schools:-

- Junior Lab. School (Main Campus)
- Laboratory Girls High School (Main Campus)
- Laboratory High School (Boys) (Main Campus)
- Junior Lab. School/Lab. Girls High School at PARS
- Junior Lab. School at Toba Tek Singh
- Junior Lab. School at Usmana Abad, Fsd

i) Day Care Centre

A Day Care Centre has also been established at main campus

Academic Activities

Campus wise Degree Programs at Undergraduate level during the academic session, 2020-2021

SN	Certificate/Degree	Duration (Years)
1	B.Sc. (Hons.) Agriculture	4 Years
2	B.Sc. (Hons.) Environmental Science	4 Years
3	B.Sc. (Hons.) Agricultural & Resource Economics	4 Years
4	B.Sc. (Hons.) Food Science & Technology	4 Years
5	B.Sc. (Hons.) Home Economics	4 Years
6	B.Sc. (Hons.) Human Nutrition & Dietetics	4 Years
7	B.Sc. (Hons.) Animal Sciences	4 Years
8	B.Sc. (Hons.) Dairy Science	4 Years
9	Doctor of Veterinary Medicine (DVM)	5 Years
10	Doctor of Pharmacy (Pharm.D.)	4 Years
11	B.Sc. (Hons.) Microbiology	4 Years
12	B.Sc. Agricultural Engineering	4 Years
13	B.Sc. Food Engineering	4 Years
14	B.Sc. Energy Systems Engineering	4 Years
15	B.Sc. Environmental Engineering	4 Years
16	B.Sc. Textile Technology	4 Years
17	Bachelor of Business Administration (BBA)	4 Years
18	B.B.A. (Agribusiness)	4 Years
19	B.S. (Bio Informatics)	4 Years
20	B.S. (Computer Science)	4 Years
21	B.S. (Software Engineering)	4 Years
22	B.S. (Information Technology)	4 Years
23	B.S. (Chemistry)	4 Years
24	B.S. (Biochemistry)	4 Years
25	B.S. (Botany)	4 Years
26	B.S. (Physics)	4 Years
27	B.S. (Zoology)	4 Years
28	B.S. (English)	4 Years
29	B.S. (Mathematics)	4 Years
30	B.S. (Statistics)	4 Years
31	B.S. (Education)	4 Years
32	B.S. (Economics)	4 Years
33	B.S. (Commerce)	4 Years
34	B.S. (Poultry Science)	4 Years
35	B.Ed.	2 Years

SN	Certificate/Degree	Duration (Years)
Toba Tek Singh Campus		
36	B.S. Poultry Science	4 Years
37	B.S. (Computer Science)	4 Years
38	B.S. (Chemistry)	4 Years
39	B.S. (Zoology)	4 Years
40	Bachelor of Business Administration (BBA)	4 Years
41	B.S. (Animal Sciences)	4 Years
42	B.S. (Information Technology)	4 Years
43	B.S. (Biochemistry)	4 Years
44	B.S. (Botany)	4 Years
45	B.S. (Physics)	4 Years
46	B.S. (English)	4 Years
47	B.Sc. (Hons.) Human Nutrition & Dietetics	4 Years
48	B.Ed.	2 Years
Burewala (Vehari) Campus		
49	B.Sc. (Hons.) Agriculture	4 Years
50	BS (Computer Science)	4 Years
51	BBA (Agribusiness)	4 Years
52	Bachelor of Business Administration (BBA)	4 Years
53	BS (Chemistry)	4 Years
54	BS (Botany)	4 Years
55	BS (Zoology)	4 Years
56	BS (Mathematics)	4 Years
57	BS (Physics)	4 Years
58	BS (Information Technology)	4 Years
59	B.Sc. (Hons.) Food Science & Technology	4 Years
60	B.Ed.	2 Years
UAF Sub-Campus (Depalpur/Okara)		
61	B.Sc. (Hons.) Agriculture	4 Years
62	BS (Zoology)	4 Years
63	BS (Physics)	4 Years
64	BS (Chemistry)	4 Years
65	BS (Mathematics)	4 Years
66	BS (Computer Science)	4 Years

SHORT COURSES

Department of Continuing Education, University of Agriculture, Faisalabad, offers the following short courses. Interested candidates submit their applications on prescribed form in the office of the Chairman/ Chairperson, Department of Continuing Education duly addressed to the Dean, Faculty of Social Sciences. The application carries i) original fee deposited slip in the National Bank of Pakistan, UAF Branch, ii) relevant documents, iii) recent photograph, and iv) copy of CNIC. Note: 1) Employee of the University and other Govt. Departments submit their NOC with application, 2) All candidates submit proof of vaccination for Covid-19.

A. Own Resources

SN	Course Name	Duration	Male	Female	Total
1	Equitation	One Month	57	17	74
2	Poultry Feeding Course	Two Week	15	0	15
3	Methods for Seed Testing	Three Week	3	1	4
4	Water Quality for Agriculture	Two Week	4	0	4
5	Mushroom Cultivation	Two Week	12	1	13
6	Art & Craft	One Month			
7	Lab. Attendant	Three Month	10	0	10
8	Farm Irrigation Management	Ten Days	2	0	2
9	Advance Mali Course	Three Month	3	0	3
10	Kitchen Gardening & Floriculture	Two Week	0	4	4
11	Mali Class	One Year	2	0	2
12	Clinical Biochemistry	Three Month	18	25	43
13	Building Material for House Construction	One Semester	3	0	3
14	Planting Geometry of Major Crops	Two Week	2	2	4
15	Remedial Measures for Saline and Alkali Soils	One Week	2	0	2
16	Sericulture	One Month	2	0	2
17	Spoken English	Two Month	7	9	16
18	Computer Short Course	Two Month	6	11	17
	Sub Total				218
B. Funded Courses					
19	Fruit Preservation & Logistics	Three Month	19	6	25
20	Livestock Management & Artificial Insemination	One Month	40	0	40
21	Sub Total				65
22	G. Total				283

List of MoUs/LOIs/Agreements Signed by the University of Agriculture, Faisalabad, Pakistan with International, National Govt. (Public) Organizations, Private Organizations and Industries during the Year 2020-21

International MoUs/LOIs/Agreements

SN	Title of MoUs/Lols/Agreements	Focal Person	Date of Signing	Syndicate approval date
1.	Lol between UAF-Pakistan and Central South University of Forestry and Technology, China	Dr. Irfan Ahmad, Dept. of Forestry and Range Managt.	9/10/2020 (Three years)	
2.	Lol between UAF – Pakistan and South China Botanical Garden, Chinese Academy of Sciences, The P.R. China	Prof. Dr. Aman Ullah Malik, IHS	19/10/2020 (Five years)	16/11/2020
3.	Framework Agreement on Cooperation of Establishing Agricultural Training Base between Xinjiang Agricultural Vocational Technical College, China and UAF	DEL-UAF	16/11/2020 (Three years)	
4.	Lol between UAF-Pakistan and Lincoln University, Canterbury, New Zealand	DEL-UAF	25/11/2020 (Five years)	
5.	Lol between UAF-Pakistan and Agriculture Division, Department of Industry, Tourism and Trade, Northern Territory, Australia	Dr. Amanullah Malik, IHS	18/2/2021 (Three years)	
6.	Lol between UAF-Pakistan and Liaoning University, Shenyang, P.R. China	Dr. Abid Ali,	2/3/2021 (Five years)	
7.	Lol between UAF-Pakistan and University of Veterinary Medicine Hannover, Foundation, Germany	Entomology	30/3/2021 (Three years)	
8.	MoU between UAF and Istanbul University – Cerrahpasa, Turkey	Dr. Mashkoor Mohsin, Gilani, Microbiology	19/4/2021 (Five years)	
9.	Lol between UAF and Chinese Academy of Forestry, Beijing, China	Dr. Imran Arshad, Microbiology	21/4/2021 (Five years)	
10.	Agreement of Cooperation between UAF-Pakistan and The Regents of the University of California, Davis Campus, USA	Dr. Muhammd Saqib,	1/5/2021 (Four years)	

SN	Title of MoUs/Lols/Agreements	Focal Person	Date of Signing	Syndicate approval date
Mouswith national organizations				
1.	Collaborative Agreement between IBMS-UAF and The University of Agriculture, Peshawar	Dr. Mubashir Mehdi, IBMS	1/9/2020 (Five years)	16/11/2020
2.	MoU between UAF and Punjab Energy Efficiency and Conservation Agency, Lahore	Mr. Sadat-ul-Islam, Engg. Construction	21/12/2020 (Five years)	
3.	MoU between UAF and Punjab Information Technology Board (PITB), Lahore	Director, ORIC-UAF	13/1/2021 (Three years)	
4.	MoU between UAF and National Bank of Pakistan (NBP)	Director, ORIC	14/4/2021 (Three years)	
MoUs with private organizations				
1.	Partnership (MoU) between the Brooke and UAF	Dean, Veterinary Science	16/7/2020 (Five years)	16/11/2020
2.	License Agreement between UAF and Mian Scientific Corporation (Pvt.) Ltd., Faisalabad	Dr. Yasir Jamil, Dept. of Physics/ ORIC	11/8/2020 (Three years)	
3.	MoU between UAF and Pakistan Handball Federation	Director Sports	16/9/2020 (Five years)	16/11/2020
4.	MoU between UAF and Learning Based Strategies Pvt. Ltd., Lahore	1. Dr. Saira Akhtar, Rural Sociology 2. Dr. Beenish Israr, Home Sciences	11/1/2021 (Two years)	
5.	License Agreement between UAF and Powerpack Energy, Lahore	Dr. Anjum Munir, Energy Sys. Engg.	29/3/2021 (Two years)	
6.	MoU between UAF and Zunnorain Welfare Society, Faisalabad	Mr. Umar Saeed, Treasurer	21/4/2021 (Three years)	
7.	MoU between UAF and Tahira Animal Welfare Foundation, Faisalabad	Dean, FVS	18/6/2021 (Five years)	
MoUs with industries				
1.	Lol between UAF – Pakistan and The Food Factory, Islamabad - Pakistan	Dr. Tahir Zahoor, DG, NIFSAT	21/7/2020 (Three years)	16/11/2020
2.	MoU between UAF and Crescent Bahuman Limited, Lahore-Pakistan	Director, ORIC	5/8/2020 (Five years)	16/11/2020
3.	MoU between UAF and Concern Worldwide CMIS No.	Dr. Mahmood A. Randhawa, Continuing Edu.	8/9/2020 (Five years)	16/11/2020

SN	Title of MoUs/Lols/Agreements	Focal Person	Date of Signing	Syndicate approval date
4.	MoU between UAF and Nestle Pakistan	Dr. Masood Sadiq Butt, Dean, FFNHS	7/10/2020 (Three years)	16/11/2020
5.	MoU between UAF and Engro Fertilizers Limited, Karachi	Director, ORIC-UAF	23/12/2020 (Five years)	
6.	Agreement of Cooperation between UAF and BASF Pakistan (Pvt.) Limited, Karachi	Director, ORIC-UAF	24/12/2020 (Five years)	
7.	License Agreement between NIFSAT- UAF and Abdullah Foods Private Limited, Lahore	Dr. Aysha Sameen, NIFSAT-UAF	20/1/2021 (Five years)	
8.	MoU between UAF and US Group, Lahore	Dr. Assad Farooq, Fiber & Textile Technology, UAF	26/1/2021 (Three years)	
9.	License Agreement between UAF and Five Star Roller Flour Mills, Lahore under HEC-TDF Project	Director, ORIC-UAF	1/2/2021 (One year)	



CONTROLLER OF EXAMINATIONS

Office of the Controller of Examinations plays a vital role in public image building of the University. The office provides services like timely declaration of result, issuance of various documents like detailed marks certificate, provisional certificate, and an early evaluation of theses, etc to the students. Final result notification process right from receipt of GS-10/UG-1 forms and award lists have been computerized. The process, which used to take months, now takes days and is almost error free. The documents are issued at the earliest or as and when the due process is complete. The results are received via LMS and online result submission portals. The electronically submitted results are accessed and used for compilation and notification purpose. This saves a lot of time and labour that was otherwise spent in laborious manual feeding of data.

Declaration of Results

Office of the Controller of Examinations issues the semester result notifications as well as final result notifications. In addition to this, Postgraduate Section of Controller of Examinations office notifies the award of degrees to the successful candidates thrice in a month. The result notifications of Ph.D. Scholars are issued immediately after all the requisite formalities are fulfilled. During the year under report, 132 scholars were admitted to the degree of Ph.D.

Affiliated Colleges

The Controller of Examinations office also conducts the examinations of the students from the affiliated colleges. There are six In-Service Government Agricultural Training Institutes in different areas of

the Punjab and one Extension Services Management Academy (ESMA) at Garhi Dopatta, Muzaffarabad, Azad Kashmir affiliated with the University for three years Diploma course in Agricultural Science (DAS), two years Livestock Assistant Diploma (LAD) and Two years Poultry Assistant Diploma Course (PAD) at UAF Sub-Campus at Toba Tek Singh. During the year under report, 04 DAS and 22 LAD students qualified the above said diplomas. In addition, the diplomas were also issued to the candidates admitted in one year Postgraduate Diploma of Food Safety and Control.

Economic Measures

As against the previous practice, the Ph.D. theses are now evaluated through email exchange in about more than 90% of cases. This has saved a lot of time and money, and the number of Ph.Ds produced has markedly increased by using IT gadgets.

Ph.D. Comprehensive Examination

Comprehensive examination for Ph.D. students was held thrice. During the year 2020-21, 338 Ph.D. students appeared in the comprehensive examination. The proceedings of the oral part of comprehensive examination are also recorded to ensure unbiased evaluation of the scholar and to address any other possible issues (if any).

GRE (Subject) Type Test

Controller of Examinations office conducted the GRE (subject) type test for admission in Ph.D. studies in different subjects thrice.

Entry Test

Controller of Examinations office conducted two entry tests (both in the morning and evening sittings) for admission in first degree programme at UAF during the year 2020-21. The detail is as under:-

Date	Entry Test	Total Candidates
8 & 9-8-2020	1 st (B.Sc. Engg. Only)	2131

Establishment of Electronic Script marking facility

In order to bring complete transparency in the marking of scripts and reducing the time for declaration of results, UAF initiated electronic scripts scanning and preparation of results was established. The capacity of this system was further enhanced by adding more resources and equipments.

Digitization of old student's data

A project worth Rs.7.5 million was implemented for the digitization of old students' record available with the Controller of Examinations Office. This was highly desired due to the fact that the record since the time of inception of University was not maintained properly and was deteriorating. Digitization was therefore, mandatory to preserve the record. So far all the paper record has been converted into electronic form, while data entry into specially designed software is in progress at a fast pace.

1. Student output

Campus wise total students produced (Degree Completed)

Main Campus

Level of Education	Male	Female	Total
Bachelors 16 years of education	1314	571	1885
Bachelors 17 years of education	135	35	170
Master 16 years of education	1027	1453	2480
Master 17 years of education	6	5	11
M.Sc. (Hons.)/MS/M.Phil 18years of education	1731	1953	3684
Ph.D	76	56	132
B.Ed.	113	413	526
Total:	4402	4486	8888
UAF- Sub Campus T. T. Singh			
Bachelors 16 years of education	89	15	104
Master 16 years of education	146	285	431
M.Sc. (Hons.)/MS/M.Phil 18 years of education	26	3	29
Total:	261	303	564

Level of Education	Male	Female	Total
UAF- Sub Campus Burewala, Vehari			
Bachelors 16 years of education	155	51	206
Master 16 years of education	27	225	252
M.Sc. (Hons.)/MS/M.Phil 18 years of education	45	22	67
Total:	227	298	525
UAF Community College at PARS			
Intermediate (Pre-Agriculture)	328	35	363
Master 16 years of education	4	8	12
Total:	332	43	375



DIRECTORATE OF STUDENTS AFFAIRS

Introduction

The Principal Officer (Students' Affairs) exercises all financial and administrative powers of the Principal Officer in respect of the Directorate of Students' Affairs, Foreign Students Advisor, Senior Tutor and their Sub-Ordinate Organizations/Officers. The Principal Office (SA) also acts as Chairman/Chairperson, Students Affairs Committee.

The Directorate of Students' Affairs is a strategically important academic support which works to enhance the experience of students at all stages of their stay in the University through provision of a range of professional services. The office of the Students' Affairs establishes a liaison between the University administration and the students. It facilitates the students in addressing their problems pertaining to academics, co-curricular activities, sports, library, examination, transportation, health, fees, career planning and discipline. The Directorate is headed by a Director, assisted by three Associate and five Deputy Directors, who provide adequate counseling and guidance to the students in their related matters round the clock.

Students Services

The Directorate of Students' Affairs ensures peaceful co-existence among the students with their diverse ethnic, cultural and religious backgrounds. Students Affairs office ensures the positive image of the University at National and International level. Different responsibilities and services of the Students Affairs office include:

NAME OF COMPONENT	SERVICES DELIVERED DURING 2020-2021
Campus Advisory Committee	Total penalized students Male & Female : 241 Total students counseled Male & Female: 190 Total cases referred to Disciplinary Advisory Committee: 04
Discipline Committee	Total meetings arranged and proceeded during year 2020-21: 04
Students Affairs Committee	Total meetings arranged and proceeded during year 2020-21: 06
I.D. Card Unit	Total I.D. Cards issued to male & female students: 8800 Total I.D. Cards issued to university employees male & female: 750
Affairs of Shops/Canteens & "Khokhas" etc.	Dealt daily affairs of Shops/Canteens, Khokhas etc. situated at Main Campus i.e. collection of monthly rent, routine food checking/services, procedure of renewal of contract period and Annual Auction of all shops and canteens.
Main Cafeteria	Non-Functional
Pick & Drop Facility	Dealt all the affairs of Five (5) buses (deputed to facilitate non-boarder students to pick & drop).
Repair of Water Coolers at Main Campus.	Repaired and maintained 28 water coolers, providing cold water to students and employees at Main Campus. Repaired and maintained 28 water coolers, installed in Residential Hostels, providing cold water to students and employees.
Daily Routine Round of the Campuses and related student matters	The Director Students Affairs' team round the Campus on daily basis to watch and ward the students' activities during their stay at the Campus.

RESEARCH & DEVELOPMENT (AN OVERVIEW)

Agriculture is the backbone of Pakistan's economy. In the year 2020, agriculture contributed around 22.69 percent to the GDP. About two third of country's export earnings are directly or indirectly agriculture based. University of Agriculture, Faisalabad (UAF) is a premier institute for education and research in the field of agricultural sciences and its allied disciplines. In this way, this higher seat of learning is playing a pivotal role in government efforts to meet the growing challenges of food security, energy crisis and water shortage. UAF is determined to achieve excellence in education and research by ensuring that impactful research contributes to the wellbeing of the society and makes significant contribution to the global innovation agenda. R&D activities at UAF aim to develop innovative solutions to the world's most daunting challenges by addressing the energy need of tomorrow from improving the immune system of masses to combat recurrent attacks of COVID-19 by developing vitamin and mineral enriched fortified foods. The diversity of research at UAF spreads across the areas of Agricultural Engineering, Rural Development, Social Sciences, Agriculture Business and Marketing, Agri. Biotechnology, Agricultural Economics and Agricultural Value Chain Management. The core mandate of UAF is to promote commercialization in the realm of Science and Technology through implementation of research agenda and to reform program and initiatives.

Office of Research, Innovation and Commercialization (ORIC) is playing a pivotal role to achieve this goal through improving academic standards with the development of need-oriented teaching and research programs. In this context, grant writing/project formulation workshops, and trainings regarding Biosafety/Biorisk management were organized to strengthen/ capacitate the faculty and supporting staff. Internal monitoring and reporting system has been made more vibrant through the establishment of Institutional Review Board (IRB) under the Revised ORIC Policy 2021.

Motivation and sensitization of Faculty Members in pursuing resources from national and international donor organizations on competitive basis was emphasized and best use of available resources and preliminary scrutiny of the submitted projects through IRB was carried out which boosted up

the research portfolio to Rs 2091.57 million with 451 research projects. Moreover Ph.D. Research Grants by HEC improved the thesis research, research publications and quality of thesis write up. During the reporting period, 22 students visited technologically advanced countries under International Research Support Initiative Program (IRSIP) by HEC for conducting their part of thesis research.

Academia Industry Linkages got new shape in terms of collaboration and investment in R&D activities and through HEC-Technology Development Fund (TDF), Grand Challenge Fund (GCF), and Technology Transfer Support Fund (TTSF) Projects. In this collaboration, Faisalabad Chamber of Commerce and Industry; Monsanto/ Bayer Crop Sciences Pakistan Pvt; Punjab Skill Development Fund; AS Herbal Product, Gojra; Sharif Engineering Works Faisalabad; Agribusiness Solution Division, Karachi; SK Developer; Net Cash Pakistan; M/S Tameem Traders Ltd Lahore; United Textile Mills Faisalabad; PAMICO Technologies Faisalabad; Fresh Food, Nowshera; Ashraf Laboratories Pvt Ltd Faisalabad; Jaffer Agro Services Pvt Ltd Karachi; Anis Associates (Pvt) Limited; Meat Processing Unit; Halal Chilled & Frozen Meat Processors and Exports; Hot-Tek, Faisalabad; and Ressichem International Karachi are notable private sector organizations collaborating with UAF in R&D activities which have shortened the boundaries between the university and private sector for harvesting the mutual benefits of such activities. Currently, UAF has established linkages with 110 industries for R&D and other activities. The ORIC makes utmost efforts to promote internalization and global connectivity with UAF faculty & students for the exchange of expertise of international researchers/educationists. Presently, UAF has very close ties with UC-Davis, USA; University Kassel, Germany; UC Riverside, USA; Xinjiang Agricultural University, China; British Council, UK; CSIRO, Australia; University of Sydney, Australia; University of Nottingham, UK; Australian Centre for International Agricultural Research (ACIAR), Australia; D-8 Network of Pioneers for Research and Innovation (D-8 NPRI) are collaborating with UAF to promote research and outreach activities. Business Incubation Center (BIC), at ORIC is

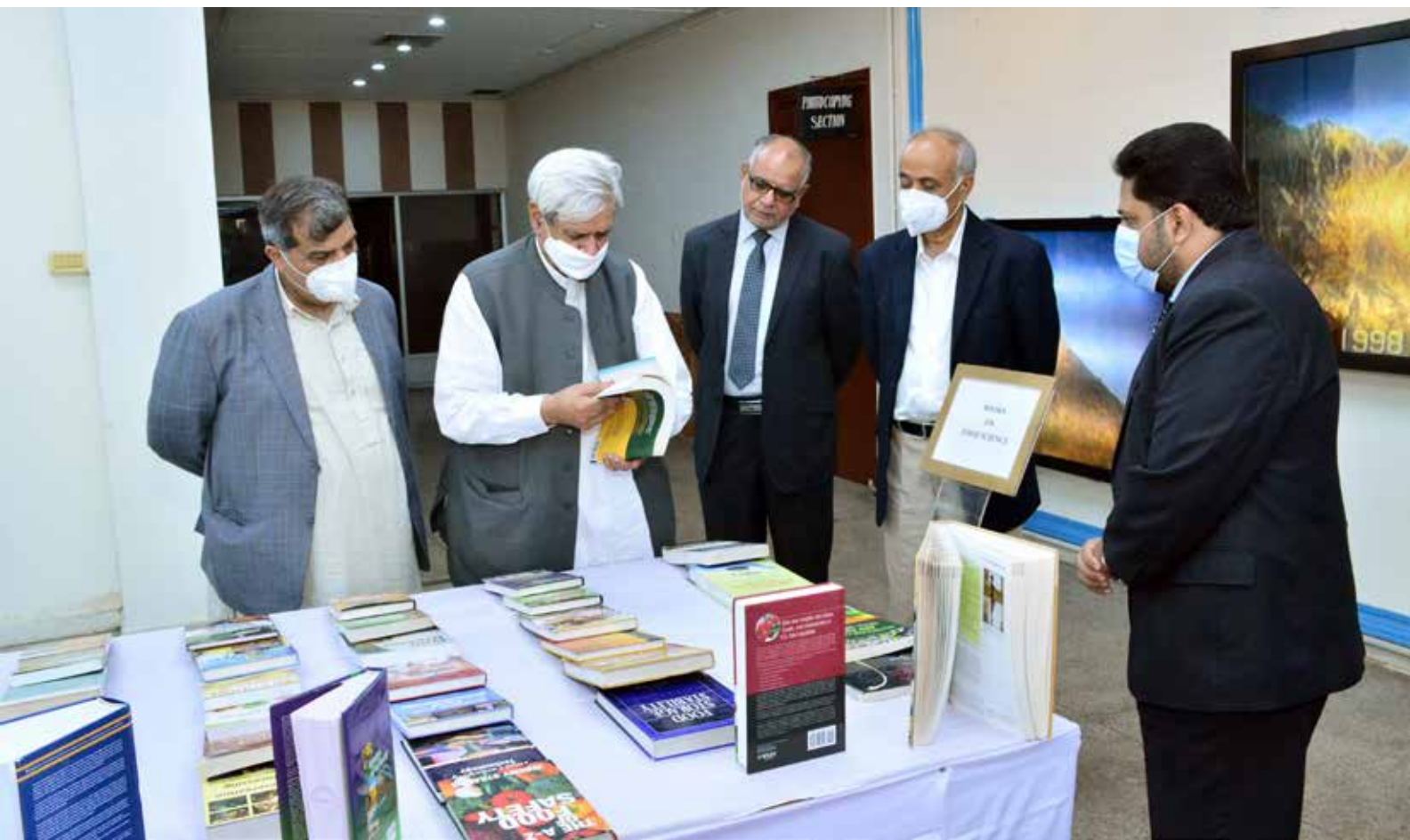
struggling hard to inculcate the business know how among the outgoing graduates with the prime agenda to make them entrepreneurs rather than job seekers. The UAF believes in professionally sound faculty and supporting staff to achieve the targets and to meet international standards.

Moreover, the UAF encourages, appreciates and motivates its faculty members and postgraduate students by awarding Best Cited Paper Awards, reimbursement of publication charges, certificate of appreciation, and cash award to postgraduate students publishing their research in the well reputed journals. Resultantly, UAF has improved its publication portfolio and world university ranking. Currently, UAF has been placed at 87th position worldwide and 1st in Pakistan (in Agriculture and Forestry) ranked by QS World University Ranking 2021.

The UAF has recently launched its Commercialization Policy to create awareness among the faculty members about protection of Intellectual Property Rights and provided all possible support/guidelines for filing of patent. Presently 13 patents have been registered at the credit of UAF while >20 patents are at different

stages of processing and approval by the respective departments. Regular Business Plan Competitions, Innovative Ideas Competitions and other different innovative idea displays are organized for marketing the ideas to the relevant industry. Currently, 20 ideas are at different stages of refinement and approval. The private sector seeks consultancies from the UAF experts to start/improve their business. At present 15 firms are collaborating with UAF for academia-industry linkage projects/ consultancies.

ISO certified Central Hi-Tech Lab not only facilitates the research and postgraduate students but also provides the civil society reliable and authenticated analysis reports. on subsidize rates. The subject lab also makes arrangements for the skill development of the researchers and students regarding the use of sophisticated equipment. During the reporting period Central Hi-Tech Lab. analyzed 6055 samples from different segments of the society and R&D Institutes by earning Rs.1.11 million as revenue.



RESEARCH PROJECTS

Projects: (i) Completed (ii) Newly launched

i. Research projects under Higher Education Commission (HEC) (Completed) (2020-21)

SN	Title of Project	Name of PI	Dept./Inst.	Amount in (M)	Duration (Months)
1.	Development of quality oriented solar assisted diagonal batch dryer for perishable products	Dr. Anjum Munir	Energy System Engineering	2.65	36
2.	Development of Experimental Investigation of Self-Propelled Row Crops Variable Height Crops Sprayer for Efficient Crop Spraying	Dr. Abdul Ghafoor	Energy System Engineering	1.9	24

ii. Newly launched projects funded by HEC during year 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
1.	Treatment of poultry diarrhea with environment-friendly natural substances: an innovative and cost-effective solution for Gizzard Ulceration induced by Mycotoxins and Bacillus cereus in Pakistan	Dr. M. Kashif Saleemi	Pathology	36	6.53	28-11-2020
2.	Development of functional feed for <i>Labeo rohita</i> and <i>Oreochromis niloticus</i>	Dr. Abdul Mateen	Zoology, Wildlife and Fisheries	36	4.45	28-11-2020
3.	Ecological adoption of salt tolerant crop species to utilize saline water to sustain crop production in salt affected soils	Dr. M. Anwar-ul-Haq	Soil & Environmental Sciences	36	17.12	28-11-2020
4.	Evaluation of enhanced efficiency nitrogen fertilizers for NH ₃ and N ₂ O emissions in a rice-wheat cropping system on normal and marginal salt-affected soils	Prof. Dr. Ghulam Murtaza	Soil & Environmental Sciences	36	13.01	01-12-2021

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
5.	Analysis of the role of acid invertase in grain yield of maize under high temperature and water stress	Dr. M. Saqib	Soil & Environmental Sciences	36	10.25	12-08-2020
6.	Improving groundwater aquifer by spatio-temporal assessment of groundwater recharge potential in water scare areas of Rechna Doab	Prof. Dr. M. Arshad	Irrigation & Drainage	36	12.35	14-12-2020
7.	Cereal based functional beverage; development, optimization and acceptability- an approach to introduce value-added nutritious drink in Pakistan market	Dr. Farah Ahmad	National Food Sciences & Technology	12	1	15-01-2021
8.	Production and efficacy of entomopathogenic fungal formulations against sucking and chewing insect pests for commercialization	Dr. Abdul Hanan	Entomology	12	0.99	23-01-2021

Ongoing research projects (HEC) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
1.	Developing fungal resistant lines of Berseem to control rotting disease complex	Dr. Faiz Ahmad Joyia	CABB	36	3.06
2.	Targeting chili leaf curl viruses through CRISPR-CAS in Pakistan	Dr. M. Shah Nawaz ul Rahman	CABB	36	3.43
3.	Engineering potato genome for enhanced fungal pathogen resistance	Dr. Ghulam Mustafa	CABB	36	2.12
4.	Transcriptomics based understanding of Cercospora leaf spot resistance in mungbean and disease management through nanotechnology	Dr. Siddra Ijaz	CABB	36	2.21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
5.	Developing Heat-tolerant, borer-resistant and pro-vitamin A rich maize hybrids using interdisciplinary approaches	Prof. Dr. M. Sarwar	CABB	36	3.31
6.	Application of metabolomics in identification of predictive biomarkers of metabolic and infectious diseases in dairy cows	Dr. Fozia Saleem	CABB	35	3.28
7.	Agronomic and social interventions for rejuvenation of safflower in Pakistan as quality oil crop	Dr. Hassan Munir	Agronomy	36	2.84
8.	Vermicomposting: A resourceful organic fertilizer to improve agriculture production and soil health	Dr. Zubair Aslam	Agronomy	36	7.39
9.	Comparative anatomical, histological and physio-biochemical analysis of different chicken breeds (<i>Gallus gallus</i>) of Pakistan	Dr. Razia Kausar	Anatomy	24	2.38
10.	Control of microbial biofilm of sinusitis isolates using natural and synthetic compounds	Dr. M. Shahid	Biochemistry	36	4.18
11.	Development of RNA based next generation biopesticides to control cotton bollworm	Dr. Aftab Ahmad	Biochemistry	36	4.31
12.	Studying the molecular defense response in wheat (<i>Triticum aestivum</i> L.) for sustainable insect pest management	Dr. Samina Jam Nazir Ahmad	Botany	36	4.69
13.	Development of nanoparticle-based multiplex sandwich immunoassay for stage-specific diagnosis of breast cancer	Dr. M. Irfan Majeed	Chemistry	24	4.83
14.	Synthesis of selenium based biocidal adducts to improve the hygienic quality of textile products	Dr. M. Adnan Iqbal	Chemistry	24	5.04

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
15.	Synthesis of novel bio-inspired drug oriented compounds via regioselective cross coupling reactions	Dr. Rasheed Ahmad Khara	Chemistry	36	2.94
16.	Raman micro spectroscopy along with improved sample preparation protocols (centrifugal filter approach) for the diagnosis of breast cancer by using blood plasma samples	Dr. Haq Nawaz	Chemistry	24	4.03
17.	Synthesis of macromolecules of benzimidazolium salts and respective coinage metal-N-Heterocyclic carbene complexes for anticancer studies	Dr. M. Adnan Iqbal	Chemistry	24	3.96
18.	Etio-therapeutic and preventive investigations of parturient hemoglobinuria in cows and buffaloes	Dr. M. Saqib	Clinical Medicine & Surgery	35	2.49
19.	Identification and management of fruit flies (Tephritidae diptera) infesting citrus orchards in Punjab	Dr. M. Ahsan Khan	Entomology	36	4.02
20.	Complementing food security through selection of superior & stable genotypes of major crops	Dr. M. Kashif	Mathematics and Statistics	36	1.68
21.	A rapid point of care (POC) loop mediated isothermal amplification assay (LAMP) for brucellosis diagnosis alongwith analysis of acute phase proteins for sub-clinical disease diagnosis	Dr. Hafiza Shafia Tehseen Gul	Pathology	36	4.24
22.	Molecular epidemiology of buffalo pox in Pakistan, comparison of conventional and molecular diagnosis, polypeptide mapping, restriction enzyme analysis and sequence homology	Prof. Dr. Farzana Rizvi	Pathology	36	2.96
23.	Mineralization of inorganic nanomaterials into ferritin proteins	Dr. M. Yasir Javed	Physics	36	4.06

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
24.	Experimental and theoretical investigation of ferroelectricity in perovskite based heterostructures or superlattices	Dr. M. Yaseen	Physics	36	2.58
25.	Laser assisted synthesis of biocompatible gold nanoparticles for biophysical applications	Dr. Yasir Jamil	Physics	36	8.52
26.	New approaches for highly-efficient plasmonic dye-sensitized solar cells with advanced functional nanomaterials	Dr. Hafiz. M. Asif Javed	Physics	36	2.81
27.	Development of simple and novel inorganic hole transport materials for perovskite solar cells	Dr. Hafeez Anwar	Physics	36	1.69
28.	Enhancement of radiation resistant properties of n+ -p- p+ silicon solar cells	Dr. Khurram Ali	Physics	36	3.6
29.	Graphene encapsulated Nano-Materials for cancer detection and treatment by electromagnetics	Dr. Abdul Ghaffar	Physics	36	3.13
30.	Enrichment of maize genetic resources by developing genetically diverse inbred line using double haploid technology and development of climate resilient high yielding maize hybrids	Dr. M. Aslam	Plant Breeding & Genetics	36	5.61
31.	Spatiotemporal expression profiling of transgenes (CRY1AC and CRY2ab) in next generation BT cotton	Dr. Hafiza Masooma Naseer Cheema	Plant Breeding & Genetics	36	4.82
32.	Management of <i>fusarium</i> wilt of chilli through phenolic antioxidants and soil minerals	Dr. M. Atiq	Plant Pathology	36	4.85
33.	Relationship between fungus and nematodes associated with cotton in Punjab and its management	Dr. Sajid Aleem Khan	Plant Pathology	36	2.58

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
34.	Molecular characterization of rice root-knot nematode (<i>Meloidogyne graminicola</i>) in rice-wheat cropping system in central Punjab for its management	Prof. Dr. Nazir Javed	Plant Pathology	36	2.37
35.	<i>Fusarium</i> wilt of cut flower crops (Gladiolus, mari gold and chrysanthemum): selection for resistance and sustainable control	Dr. Imran-ul-Haq	Plant Pathology	36	1.96
36.	Exploitation of available new chemistry insecticides for their nematicidal potential against root knot nematodes and their possible integration with bioagent (<i>pasteuria penetrans</i>) to develop a sustainable management strategy	Prof. Dr. Nazir Javed	Plant Pathology	36	1.93
37.	Rapid diagnosis of gummosis of citrus caused by <i>Phytophthora</i> spp. Using a Loop-Mediated Isothermal amplification assay and its management	Dr. Nasir Ahmad Khan	Plant Pathology	36	2.29
38.	Biochar application to combat root-knot nematodes in tomato with emphasis on activation of defense related genes	Dr. M. Amjad Ali	Plant Pathology	36	3
39.	Exploitation of fungal pathogens as Bio-Control agents for the management of weeds in wheat crop	Dr. Abdul Rehman	Plant Pathology	36	2.93
40.	Zearalenone and its binder impact on productive and reproductive performance of dairy buffalo and cattle under different managerial conditions	Prof. Dr. Zafar Iqbal Qureshi	Theriogenology	24	3.38
41.	Genetic screening of indigenous and Chinese carps for inbreeding, hybridization and introgression for improved broodstock management	Dr. Khalid Abbas	Zoology, Wildlife and Fisheries	36	2.98

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
42.	Analysis of livestock services in the Punjab: Formulation of Research based policy guidelines for effective extension work	Dr. Shoukat Ali	Agricultural Extension, Education and Rural Development	36	4.49
43.	Assessing the livelihood perspective of climate change vulnerability and coping strategies by the farming communities of mountainous areas	Prof. Dr. Khalid Mahmood Ch.	Agricultural Extension, Education and Rural Development	24	2.68
44.	Training needs assessment of vegetables growers in peri-urban areas of the Punjab-Pakistan	Dr. Ijaz Ashraf	Agricultural Extension, Education and Rural Development	36	2.42
45.	Analysis of societal role in conflict resolution among farm families in Punjab Pakistan	Dr. Aqeela Saghir	Agricultural Extension, Education and Rural Development	36	2.34
46.	Analysis of adoption gape of weed management practices among farmers under different cropping system in Punjab, Pakistan	Prof. Dr. Khalid Mahmood Ch.	Agricultural Extension, Education and Rural Development	36	2.37
47.	Establishment of National Center for Livestock Breeding, Genetics & Genomics (NCLBG&G) jointly executed PMAS-Arid Agriculture University, Rawalpindi and UAF	Dr. M. Saif-ur-Rehman	Animal and Dairy Sciences	36	43.14
48.	Genomic assisted prediction of genetic values for economic traits in Sahiwal cattle of Pakistan	Dr. M. Saif-ur-Rehman	Animal and Dairy Sciences	36	6.93
49.	Sustainable and health food chain: step forward to improve health of mother and child	Dr. Beenish Israr	Home Sciences	35	3.67
50.	Selection and breeding of citrus rootstocks for drought and heat stress	Prof. Dr. Jafar Jaskani	Horticultural Sciences	36	1.87

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
51.	Polyploidization and morphogenetic characterization in acid lime (<i>Citrus aurantifolia</i> L.) cultivars for germplasm enhancement	Dr. Bilquees Fatima	Horticultural Sciences	36	3.6
52.	Development of recombinant Newcastle disease virus expressing H9 haemagglutinating for protection against pathogenic Newcastle disease	Dr. M. Shahid Mahmood	Microbiology	36	2.65
53.	Investigation of Liver X Receptor and Proxysome Proliferator-Activated Receptor Ligands in Liver Diseases	Dr. Junaid Ali Khan	Physiology and Pharmacology	23	3.2
54.	Development of user friendly diagnostic kits for detection of antibiotic residues in biological fluids	Dr. Faqir Muhammad	Physiology and Pharmacology	36	4.72
55.	Antidiabetic potential of medicinal plants; new trends in the development of antihyperglycemic agents	Dr. Bilal Aslam	Physiology and Pharmacology	36	2.45
56.	Design of nanoformulation, in-vitro physicochemical evaluation and its efficacy in adjuvant-induced arthritis	Dr. Bilal Aslam	Physiology and Pharmacology	35	3.87
57.	Perspectives of using biologically-augmented acidified product for enhancing phosphorus uptake, efficiency and production of cereals in calcareous soil	Dr. M. Naveed	Soil & Environmental Sciences	36	3.74
58.	Integrated strategies for treatment and reuse of chromium-laced tannery wastewater innovative constructed wetland technology	Dr. Irshad Bibi	Soil & Environmental Sciences	36	3.73
59.	Diffusive gradient in thin film (DGT) measurements for risk assessment of labile cadmium and lead in contaminated soils growing rice and wheat crops with raw city effluent	Dr. M. Zia ur Rehman	Soil & Environmental Sciences	36	5.28

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
60.	Improving petroleum hydrocarbons bioremediation and crop productivity by microbial bioresources	Dr. M. Imran Khan	Soil & Environmental Sciences	36	3.42
61.	Development and calibration of Geo-spatial techniques for monitoring of soil salinity in agricultural landscape of Punjab Province	Dr. Zulfiqar Ahmad Saqib	Soil & Environmental Sciences	36	4.45
62.	Enhancing nutrient use efficiency and Fortifying food crops through microbially synthesized Nano-fertilizers (Bio-nanofertilizers)	Dr. Safdar Bashir	Soil & Environmental Sciences	36	3.65
63.	Development of indigenous adsorbent for improving the used edible fats quality of street vender foods for peri-urban inhabitants	Dr. M. Asim Shabbir	National Food Sciences & Technology	24	2.26
64.	Community based bio-organic fertilizer production for improving degraded soils	Dr. M. Rashid Waqas	Sub-Campus Burewala-Vehari	23	0.94
65.	Identification and molecular characterization of plant viruses from monocotyledonous crops and weeds of Southern Punjab, Pakistan	Dr. Sohail Akhtar	Sub-Campus Burewala-Vehari	24	2.87
66.	Identification, prevalence and infestation of Red Palm Beetle (RPW), <i>Rhynchophorus ferrugineus</i> (Olivier) from different agro-ecological locations of Punjab, Pakistan and its symbiotic association with Wolbachia pipientis	Dr. Mazhar Hussain Ranjha	UAF Sub- Campus, Depalpur	3	0.49
67.	Integrated flood risk assessment and mitigation in selected areas of Indus basin using remotely sensed historic data	Dr. M. Adnan Shahid	Water Management Research Centre	24	4.9

Newly launched research projects under national collaboration (2020-21)

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
1.	Development of Pilot Scale Fluidized Bed Gasification (FBG) Reactor for Energy Generation from Biomass	Dr. M. Usman Farid	Structures & Environmental Engineering	12	0.18	1-1-2021
2.	Sustainable agricultural production system in Urban Areas by using CNC kitchen Gardening Robot	Dr. Saqib Ali	Computer Science	18	10.92	1-1-2021
3.	A diagnostic analysis of role of middlemen in financing and marketing of agriculture business and its impact on the earnings of farmers: A case study of potato farmers	Dr. Khalid Mushtaq	Agricultural and Resource Economics	12	0.59	1-5-2021
4.	Campaign on awareness and management of Parthenium (<i>Parthenium hysterophorus</i> L.) in Pakistan	Dr. Ijaz Ashraf	Agricultural Extension and Rural Development	12	1.34	7-7-2020
5.	Campaign on awareness and management of fall army worm	Dr. Ijaz Ashraf	Agricultural Extension and Rural Development	12	0.86	7-7-2020
6.	Agricultural Remote Sensing Lab (ARSL) under the umbrella project Establishment of National Center of GIS and Space Applications (NCGSA)	Dr. M. Adnan Shahid	Water Management Research Centre	36	74.0	3-9-2020

National collaboration (completed) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Amount in (M)	Duration (Months)
1.	Mitigation of water stress effects in sugarcane through physiological approaches	Dr. Hassan Munir	Agronomy	36	6.77
2.	Rezoning the agro-climatic regions for sustainable sugarcane production in Punjab	Dr. Fahd Rasul	Agronomy	12	6.99

Ongoing research projects (national collaboration) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
1.	Improvement in breeding and seed production system of Fodder Crops	Dr. Ameer Bibi	Plant Breeding & Genetics	36	58.29
2.	Formulating Sustainable Irrigation Management Information System using Real Time Irrigation Water Demand and Supply for Rural Areas Development	Dr. M. Adnan Shahid	Water Management Research Centre	36	39.9
3.	Introduction of exotic tissue culture date palm plants under cooperatives department	Dr. Summar Abbas Naqvi	Horticultural Sciences	24	76.46
4.	Establishment of National Center in Big Data and Cloud Computing (NCBC)	Prof. Dr. Iqar Ahmad Khan	Horticultural Sciences	36	111
5.	Development of Self Sustainable Bio Reactor for Biogas Production	Dr. Ch. Arslan	Structures & Environmental Engineering	12	0.93
6.	Identifying micro and macro organism to mitigate industrial water pollution	Dr. Rao Sohail Ahmad Khan	CABB	36	1.51
7.	Development and evaluation of hydroponic feeding system for poultry and livestock production under Academia Industry Linkage	Dr. Fawwad Ahmad	Animal and Dairy Sciences	36	1.5
8.	Commercial cultivation of commonly available mushrooms for poverty alleviation in rural areas of Punjab (Faisalabad City)	Dr. Nasir Ahmad Khan	Plant Pathology	36	1.65
9.	Use of environment friendly biopesticide / agents for the control of locust	Prof. Dr. Waqas Wakil	Continuing Education	4	1.42

Newly launched projects funded by Pakistan Science Foundation (2020-21)

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
1.	Development and Characterization of Biodegradable Food Packaging Films from Indigenous Agricultural Residues	Dr. Abid Aslam Maan	Food Engineering	24	3.62	22-04-2021

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
2.	Study on the formation and conversion processes of water resources and sustainable use in the Indus Basin	Prof. Dr. M. Arshad	Irrigation & Drainage	36	5.99	1-5-2021
3.	Development, evaluation and commercialization of potato culls and processing wastes as concentrate source in animal feed for cost effective feed formulation	Dr. M. Sharif	Animal and Dairy Sciences	36	4.88	1-5-2020
4.	Establishing Phenological and Genetic Responses to Seasonal Shifts in Guava (<i>Psidium guajava</i> L.) Germplasm	Dr. M. Usman	Horticultural Sciences	36	5.29	21-06-2021

Pakistan Science Foundation (Completed) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Amount in (M)	Duration (Months)
1.	Engineering maize with heat shock proteins	Dr. Iqrar Ahmad Rana	CABB	36	1.99

Ongoing research projects (Pakistan Science Foundation) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount in (M)
1.	Production of insect resistant transplastomic potato lines against Colorado potato beetle and potato tuber moth	Dr. Faiz Ahmad Joyia	CABB	24	3.78
2.	Spectrochemical studies of pollutants in soil, water and vegetation using laser induced breakdown spectroscopy	Dr. Yasir Jamil	Physics	36	5.85
3.	Development of carbon based nanomaterials for counter electrodes in dye sensitized solar cells	Dr. Hafeez Anwar	Physics	36	2.05

Ongoing research projects (Punjab Agricultural Research Board) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount in (M)
1.	Development of short duration, high yielding and disease resistant mungbean cultivars for rice-wheat cropping system	Dr. Siddra Ijaz	CABB	60	7.72
2.	Preservation and propagation of healthy Shisham (<i>Dalbergia sissoo</i>) through cloning of resistant germplasm against dieback disease	Dr. Iqrar Ahmad Rana	CABB	60	14.4
3.	Developing climate-resilient plant-based recombinant subunit vaccine against foot-and-mouth disease virus of livestock	Prof. Dr. M. Sarwar	CABB	24	6.14
4.	Development of new herbicide trait and its transformation into wheat and cotton	Prof. Dr. M. Sarwar	CABB	36	9.73
5.	Perceptions and economic assessment of recent policy interventions for expanding canola production in Punjab-Pakistan	Dr. Saddam Hussain	Agronomy	6	0.5
6.	Exploring therapeutic potential of Moringa and <i>Aloe vera</i> through value added products	Prof. Dr. Shahzad Maqsood Ahmad Basra	Agronomy	36	5.39
7.	Management of whitefly by integrated strategies and development of resistant cotton germplasm through genetic engineering	Dr. Amer Rasul	Entomology	36	39.6
8.	Development of short duration sunflower hybrids with better yield	Dr. M. Ahsan Iqbal	Plant Breeding & Genetics	60	9.5
9.	Improving yield, drought and salinity tolerance in wheat through GA-sensitive dwarfing gene system	Dr. Rizwana Maqbool	Plant Breeding & Genetics	60	47.2

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount in (M)
10.	Development of sorghum-sudangrass hybrids for better forage yield and quality under normal and drought stress	Dr. Ameer Bibi	Plant Breeding & Genetics	60	14.3
11.	Pre and post-harvest management of aflatoxin contamination in groundnut	Dr. Imran-ul-Haq	Plant Pathology	48	8.51
12.	Development of natural fiber reinforced polymer composites (NFPC) using local agriculture and forestry based residues for construction, furniture and fruit packaging industrial	Dr. Javed Iqbal	Chemistry	36	5.33
13.	Microbial based pest management program for tephritid fruit flies	Prof. Dr. Waqas Wakil	Continuing Education	24	3.5
14.	Identification of superior buffalo bulls of nili ravi breed for increasing milk production through selection by estimation of breeding values and genome analyses	Prof. Dr. Zafar Iqbal Qureshi	Theriogenology	60	41.5
15.	Evaluating the utilization of camel milk as food source in Cholistan and its socioeconomics impact on camel herders	Dr. Uzman Bashir Cheema	Animal and Dairy Sciences	07	0.5
16.	Evaluation and management of indigenous date palm genetic resources for economic traits, <i>Fusarium</i> wilt and red palm weevil	Dr. Saeed Ahmad	Horticultural Sciences	36	39.1
17.	Development of innovative technique for plant, multiplication, canopy management and value addition of promising Ber	Dr. Saeed Ahmad	Horticultural Sciences	36	4.7
18.	Prevalence and economic impact of sugarcane rust in Punjab: Farmer's awareness and coping strategies	Dr. Azhar Abbas	Agricultural and Resource Economics	6	0.5

SN	Title of Project	Name of PI	Dept./Inst.	Duration (Months)	Amount in (M)
19.	Utilization of poultry litter and dead birds compost as livestock feed ingredient and agriculture fertilizer	Dr. Abdul Wakeel	Soil & Environmental Sciences	48	6.79
20.	Development of bioherbicides containing allelopathic bacteria for weeds suppression in direct-seeded rice	Prof. Dr. Zahir Ahmad Zahir	Soil & Environmental Sciences	36	5.99
21.	Production and dissemination of heat tolerant rural chicken for egg and meat production	Dr. Zia-ur-Rehman	UAF Sub-Campus, Toba Tek Singh	24	3.50

Punjab Agricultural Research Board (PARB) (Completed) 2020-21

SN	Title of Project	Name of PI	Dept./Inst.	Amount in (M)	Duration (Months)
1.	Development of drought tolerant doubled haploid maize hybrids	Dr. M. Ahsan	Plant Breeding & Genetics	60	20.33
2.	A comprehensive integrated scientific approach for the development of sustainable management strategies of pink bollworm (<i>Pectinophora gossypiella</i>)	Prof. Dr. M. Jalal Arif	Entomology	24	36.2

Newly launched projects funded by ALP 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
1.	Strengthening informal indigenous vegetable seed system to enhance nutrition and food security of Pakistan	Dr. Irfan Afzal	Agronomy	36	4.964	23-07-2020

Already ongoing research projects (ALP)

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
1.	Development of techniques to combat rangeland degradation process and increase forage yield in rangelands of Punjab with the involvement of pastoral community	Dr. Ahsan Ul Haq	Sub-Campus Burewala-Vehari	36	3.27
2.	Development of yield competitive high temperature tolerant maize (<i>Zea mays</i> L.)	Dr. M. Aslam	Plant Breeding & Genetics	36	9.7
3.	Value Addition of citrus waste as a dietary fiber source in extension based food products	Dr. M. Kashif Iqbal Khan	Food Engineering	36	18.5
4.	Design, development and computational modeling of solar assisted cold storage system for the preservation of perishables agriculture products	Dr. Waseem Amjad	Energy System Engineering	36	5.44
5.	Development of grapheme reinforced wood-plastics-composites (WPC) using local agriculture and forestry based residues for construction, furniture and fruit packaging industries	Dr. Javed Iqbal	Chemistry	36	2
6.	Epidemiology, advance diagnosis and biological control models of ticks and tick-borne diseases in ruminants at two ecologies of Pakistan	Dr. M. Sohail Sajid	Parasitology	36	3.5
7.	Development of F1 tomato hybrid seed by Inter-and Intra specific hybridization	Dr. M. Awais Ghani	Horticultural Sciences	36	9.5
8.	Investigation of potential antifungal peptides derived from indigenously isolated strains of bacillus	Dr. Rizwan Aslam	Microbiology	36	9.4
9.	Improvement in citrus quality and production by standardization of nutrient assessment protocols for optimization of nutrient application	Dr. M. Aamir Maqsood	Soil & Environmental Sciences	36	6.10
10.	Immuno-modulation with subunit outer membrane protein coated nanoparticles in the control of <i>salmonellosis</i> in poultry birds	Dr. Faqir Muhammad	Physiology and Pharmacology	36	12

Agricultural Linkages Program (ALP) (completed) 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Amount Rs. (M)	Duration (Months)
1	Financing of rice value chain: what really matters for banks?	Dr. Khalid Mushtaq	Agricultural and Resource Economics	12	1.67
2	Value addition of guava through development of vitamin-A fortified fruit bar	Dr. Moazzam Rafiq Khan	NIFSAT	36	2.98
3	Post-harvest Grain Losses Management for Food Security	Prof. Dr. Waqas Wakil	Continuing Education	36	3.99
4	Improved utilization of beetal goats through open nucleus breeding scheme	Prof. Dr. M. Sajjad Khan	Animal and Dairy Sciences	36	1.94
5	Preliminary therapeutic, etiological and preventive investigations on parturient hemoglobinuria in buffaloes and cows in Faisalabad and Jhang Districts	Dr. M. Saqib	Clinical Medicine & Surgery	36	1.92
6	Pathobiology and molecular epidemiology of chicken infectious anemia & infectious bronchitis (IB) in commercial poultry and immunopathogenesis of IB variants.	Dr. M. Kashif Saleemi	Pathology	36	4.91
7	Exploring the potential of non-thermal techniques for quality analysis of citrus-based peel/pectin	Dr. Rana Muhammad Aadil	NIFSAT	36	3

Newly launched projects funded by EFS 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval	Faculty
1	Agrochain An intelligent system to track down counterfeit Agricultural inputs using system IoT & blockchain technology	Dr. Saqib Ali	Computer Science	24	1.33	11-09-2020	Agriculture

Ongoing research projects under EFS 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
1.	Establishment of community oriented plant disease diagnostic clinic at UAF-SUB Campus Burewala	Dr. Sohail Akhtar	Sub-Campus Burewala-Vehari	36	1.84
2.	Uplifting monetary conditions of chilli growers by creating awareness about disease problems and their management	Dr. Nasir Ahmed	Plant Pathology	36	1.47
3.	Green Nano-pesticides; A novel approach for pest control	Dr. Nazish Jahan	Chemistry	36	3.24
4.	Solar powered electrocoagulation based systems for providing purified water	Dr. M. Asif Hanif	Chemistry	36	2.62
5.	Molecular detection, pathology and immunoprophylaxis of Fowl typhoid in commercial poultry	Prof. Dr. Farzana Rizvi	Pathology	24	2.43
6.	Development of innovative Jujube products and capacity building under Public Private Partnership mode	Dr. M. Inam-ur-Raheem	NIFSAT	24	2.92
7.	Targeting actions to improve the ornamental plant production system for strengthening floriculture industry	Dr. Adnan Younas	Horticultural Sciences	36	2.3
8.	Capacity building and entrepreneurship linkage development - a package for date palm growers and punjab	Dr. Summar Abbas Naqvi	Horticultural Sciences	36	4.46
9.	Establishment of grapes germplasm unit (GPU) for technology transfer	Prof. Dr. Jafar Jaskani	Horticultural Sciences	36	4.40
10.	Vegatable grafting of <i>capsicum</i> spp. and watermelon	Dr. Khurram Ziaf	Horticultural Sciences	36	2.30

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
11.	Development and dissemination of meat type Japanese quail breed to counter malnutrition among rural women and children	Dr. Umar Farooq	UAF Sub-Campus, Toba Tek Singh	24	2.19

Research projects completed under EFS 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Amount Rs. (M)	Duration (Months)
1.	Dietary modification with the addition of kitchen gardening at household level through apt technology transfer in district Vehari	Dr. M. Asif Khan	Sub-Campus Burewala-Vehari	36	1.02
2.	Establishment of community oriented modern fruit plants nursery system at UAF Sub-Campus Burewala	Dr. Fakhar-ud-Din Razi	Sub-Campus Burewala-Vehari	36	2.58
3.	Processing and preservation of fruits and vegetables at domestic level to reduce their losses through successful approaches and trainings	Dr. Muhammad Asif Khan	Sub-Campus Burewala-Vehari	24	1.17
4.	Identification of lytic phages and cloning lytic enzymes against multidrug resistant <i>staphylococcus aureus</i> from mastitis cases	Dr. M. Aamir Aslam	CABB	24	1.50
5.	Indigenization of forage toka employing reverse engineering approach	Dr. M. Azam Khan	Food Engineering	24	1.80
6.	Site-specific wheat-crop management for high yield using UAVs & spectral-sensors	Dr. M. Ahsan Latif	Computer Science	24	2.06
7.	Dissemination of farmer friendly diagnostic techniques for the control of goat mastitis in selected districts of Punjab-Pakistan	Mr. M. Ijaz Saleem	Clinical Medicine & Surgery	24	1.15
8.	Evaluation of cell mediated immune responses (CMI) as a diagnostic marker for field diagnosis of latent bovine brucellosis	Dr. Hafiza Shafia Tehseen Gul	Pathology	24	3.04

SN	Title of the Project	Name of PI	Dept./Inst.	Amount Rs. (M)	Duration (Months)
9.	Punjab Agriculture and Dairy Leadership Programme	Prof. Dr. Aman Ullah Malik	Horticultural Sciences	12	2.68

Newly launched research projects under international collaboration 2020-21

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)	Date of Approval
1.	Evaluating the efficacy of improved chelated iron fertilizer (Fe-HBED) on citrus plants under high soil pH conditions	Dr. Masood Iqbal Awan	UAF Sub-Campus, Depalpur	24	0.53	12-10-2020
2.	Quantifying the transmission routes of gastroenteritis in Pakistan and developing targets interventions	Dr. Fahd Rasul	Agronomy	36	6.49	10-08-2020
3.	Global Political Sociology & Development	Dr. Saira Akhtar	Rural Sociology	24	0.57	01-08-2020
4.	Design Bio-based and biodegradable packaging through agriculture waste valorization (BIO-PAWWAL)	Dr. Rana Muhammad Aadil	NIFSAT	36	0.90	09-09-2020
5.	Synthesis and application of biochar / nanocomposites for water treatment	Dr. Nabeel Khan Niazi	Soil & Environmental Sciences	24	14.85	28-01-2021

Ongoing international collaborative research projects 2020-21

SN	Title of the Project	Name of PI	Dept. Inst.	Duration (Months)	Amount Rs. (M)
1.	Mitochondrial DNA recombination to generate plant genetic diversity and novel phenotype adapted to a changing environment	Dr. Adnan Khan Niazi	CABB	36	1.15
2.	GCRF South Asian Nitrogen Hub	Dr. Tariq Aziz	UAF Sub-Campus, Depalpur	60	77.17

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
3.	Bilateral Pak-Turk collaboration for improvement of sustainable soybean agriculture	Dr. Haroon Zaman Khan	Agronomy	36	2.49
4.	Pakistan Indus SDIP 2 Project	Dr. Tasneem Khaliq	Agronomy	24	4.1
5.	Vermicomposting: An agricultural waste management technology	Dr. Zubair Aslam	Agronomy	36	1.86
6.	Genetic variability and phenotypic behavior of wide range of quinoa under agro-climatic conditions of Pakistan	Dr. Irfan afzal	Agronomy	24	2.00
7.	Dengue a serious health concern: Ways to manage this disease through a more environment friendly approach in Pakistan	Prof. Dr. Waseem Akram	Entomology	36	2.00
8.	Contributing for a breathable future: characterizing the efficiency of local species for controlling particulate matter in Faisalabad district	Dr. Fahad Rasheed	Forestry and Range Management	12	1.54
9.	Strengthening vegetable value chains in Pakistan for greater community livelihood benefits	Prof. Dr. Aman Ullah Malik	Horticultural Sciences	48	27.84
10.	Enhancing mango fruit quality in Asian mango chains	Prof. Dr. Aman Ullah Malik	Horticultural Sciences	24	1.00
11.	China-Pakistan economic palm production technology integrated demonstration base at UAF	Prof. Dr. Aman Ullah Malik	Horticultural Sciences	36	7.3
12.	Policy and institutional reforms to improve horticultural markets in Pakistan	Dr. Abdul Ghafoor (IBMS)	Business Management Sciences	12	1.00
13.	Economic analysis of policies affecting pulses in Pakistan	Dr. Abdul Ghafoor (IBMS)	Business Management Sciences	10	0.159
14.	Developing competitive and inclusive value chains of pulses in Pakistan	Dr. Mubashir Mahdi	Business Management Sciences	24	28.11
15.	Strengthening Vegetable value chains in Pakistan for greater community livelihood (Benefits)	Dr. Hammad Badar	Business Management Sciences	48	10.62
16.	Economic and policy analysis / market research Component - I	Dr. Burhan Ahmad	Business Management Sciences	24	6.67

SN	Title of the Project	Name of PI	Dept./Inst.	Duration (Months)	Amount Rs. (M)
17.	Improving groundwater management to enhance agriculture and farming livelihoods in Pakistan	Dr. Asghar Ali	Agricultural and Resource Economics	48	10.52
18.	Efficient Participatory Irrigation Institutions to support productive and sustainable agriculture in South Asia	Dr. Khalid Mushtaq	Agricultural and Resource Economics	36	7.00
19.	Extent and impact of female labor participation on canola production in Southern Punjab-Pakistan and productivity analysis and extent of female labor participation in Mung bean production in Punjab Pakistan	Dr. Asghar Ali	Agricultural and Resource Economics	6	0.1
20.	Understanding dolomite-water interface reaction kinetics: impact of solution composition	Dr. Irshad Bibi	Soil & Environmental Sciences	12	1.54
21.	Unveiling dolomite-water interface reactions using fluid chemistry and FTIR spectroscopy	Dr. Irshad Bibi	Soil & Environmental Sciences	12	3.96
22.	Site-specific agricultural waste management strategies to improve soil fertility and to mitigate climate change	Dr. M. Sana Ullah	Soil & Environmental Sciences	36	0.34
23.	Mitochondrial DNA recombination to generate plant genetic diversity and novel phenotype adapted to a changing environment	Dr. Adnan Khan Niazi	CABB	36	1.15

MoUs

SN	MoUs/ Agreement	PI Name	Company	Date
1	MoU	Dr. Assad Farooq, Associate Professor, Department of Fiber Technology	Crescent Bahuman CBL	01-07-2020
2	MoU	University of Agriculture	Engro Fertilizer Pvt Limited	23-12-2020
3	MoU	University of Agriculture	BASF Private Limited	24-12-2020
4	MoU	University of Agriculture	Punjab Information Technology Board Lahore	13-01-2021
5	MoU	Dr. Assad Farooq, Associate Professor, Department of Fiber Technology	M/S US Group, Lahore	26-01-2021
6	MoU	University of Agriculture	Monsanto Land Use Agreement	01-02-2021
7	MoU	University of Agriculture	NBP	14-04-2021

License agreement

SN	Title of Project	Name of PI with Designation, Department	Company Details (Name, Country, etc.)	Date
1	License agreement	Dr. Yasir Jamil, Associate Professor, Department of Physics	Mian Scientific Pvt Ltd, Faisalabad	29-12-2020
2	License Agreement	Dr. Imran Pasha, Associate Professor, NIFSAT	Five Star Roller Flour Mills	12-01-2021
3	License Agreement	Dr. Aysha Sameen, Associate Professor, NIFSAT	Abdullah Foods Private Limited, Lahore	20-01-2021
4	License Agreement	Dr. Rao Zahid Abbas, Associate Professor, Department of Parasitology	AS Herbal Product	11-02-2021

List of PhD scholars under Indigenous PhD fellowship program 2020-21 funded by HEC (ongoing)

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
1	Phase-II Batch VI	520-147633-2AV6-30 (50093448)	2012-ag-2717	Ms. Saba Aslam	Dr. Luqman Amrao	Plant Pathology	Agriculture
2	Phase-II Batch VI	520-160996-2PS6-5 (50093209)	2015-ag-576	Ms. Summayia Inam	Prof. Dr. Ijaz Ahmad Bhatti	Chemistry	Sciences
3	Phase-II Batch VI	520-141344-2AV6-145 (50093546)	2018-ag-4826	Ms. Nimra Gul	Dr. Asif Saeed	Plant Breeding & Genetics	Agriculture
4	Phase-II Batch VI	520-149020-2AV6-181 (50093579)	2014-ag-5154	M. Shoaib Fayyaz	Dr. M. Inam ur Raheem	NIFSAT	Food Nutrition and Home Sciences
5	Phase-II Batch VI	520-144467-2MD6-17 (50093080)	2013-ag-3712	Ms. Farwa saleem	Dr. Benish Israr	NIFSAT	Food Nutrition and Home Sciences
6	Phase-II Batch VI	520-165622-2SS6-30 (50092997)	2011-ag-3853	Mr. Jawad Hussain	Dr. M. Iftikhar	IAEERD	Social Sciences
7	Phase-II Batch VI	520-147107-2AV6-67 (50093479)	2010-ag-2441	Miss Naima Waheed	Dr. Alhafiza Shafia Tehseen Gul	Pathology	Veterinary Science
8	Phase-II Batch VI	520-144925-2AV6-2 (50093423)	2011-ag-3226	Ms. Saba Namet	Dr. Moazzam Rafiq Khan	NIFSAT	Food Nutrition and Home Sciences
9	Phase-II Batch VI	520-146731-2AV6-194(50093589)	2016-ag-2236	Mr. Adeel Ahmad	Prof. Dr. M. Yaseen	Soil and Environmental Sciences	Agriculture
10	Phase-II Batch VI	520-142638-2AV6-160 (50093561)	2012-ag-2947	Mr. M. Hamdan Rashid	Dr. M. Inam ur Raheem	NIFSAT	Food Nutrition and Home Sciences
11	Phase-II Batch VI	520-148891-2AV6-065 (50093477)	2012-ag-2878	Mr. Asghar Ali	Dr Shoukat Ali	Agricultural Extension	Social Sciences
12	Phase-II Batch VI	520-146161-2AV6-011(50093431)	2018-ag-5582	Mr. Usman Ali Khan	Dr. Ayesha Sameen	NIFSAT	Food Nutrition and Home Sciences
13	Phase-II Batch VI	520-162014-2MD6-31 (50093092)	2012-ag-3880	Hafiza Anam Asghar	Dr Syed qamar abbas	NIFSAT	Food Nutrition and Home Sciences

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
14	Phase-II Batch VI	520-144428- 2MD6-112 (50093167)	2012-ag-3938	Ms. UMBER Younas	Dr. M. Issa Khan	NIFSAT	Food Nutrition and Home Sciences
15	Phase-II Batch VI	520-143683-2AV6- 64 (50093476)	2013-ag-3251	Mr. M. Asif	Dr. M. Kashif Iqbal Khan	NIFSAT	Food Nutrition and Home Sciences
16	Phase-II Batch VI	520-145648- 2MD6-015 (50093078)	2013-ag-3705	Ms. Sabahat Ameen	Dr. M. Saeed	NIFSAT	Food Nutrition and Home Sciences
17	Phase-II Batch VI	520-160352- 2MD6-123 (50093178)	2012-ag-3882	Ms. Maria Maqsood	Dr. M. Issa Khan	NIFSAT	Food Nutrition and Home Sciences
18	Phase-II Batch VI	520-147697-2PS6- 192 (50093381)	2019ag-2224	Ms. Fatima Suleman	Dr. Shaukat Ali	Chemistry	Sciences
19	Phase-II Batch VI	520-147540-2AV6 (50093563)	2011-ag-2109	Ms. Noreen Fatima	Dr. Asif Saeed	Plant Breeding & Genetics	Agriculture
20	Phase-II Batch VI	518-109372-2AV6- 059 (50043738)	2011-ag-3193	M. Usman	Dr. Amna Sahar	NIFSAT	Food Nutrition and Home Sciences
21	Phase-II Batch VI	520-160292-2AV6- 60 (50093474)	2011-ag-3820	Mr. Kashif Zulfqar Amir	Dr. Zulfqar Ahmad Saqib	Soil and Environmental Sciences	Agriculture
22	Phase-II Batch VI	520-146891-2AV6- 55 (50093471)	2016-ag-2097	Mr. M. Naveed Tahir	Prof. Dr. Zahir Ahmad Zahir	Soil and Environmental Sciences	Agriculture
23	Phase-II Batch VI	520-144874-2AV6- 12 (50093432)	2013-ag-2975	Mr. M. Subtain	Dr. Imran Pasha	NIFSAT	Food Nutrition and Home Sciences
24	Phase-II Batch VI	520-149050- 2MD6-136 (50093189)	2012-ag-3877	Ms. Zaira Mumal Khan	Dr. M. Asim Shabbir	NIFSAT	Food Nutrition and Home Sciences
25	Phase-II Batch VI	520-141850-2AV6- 39 (50093456)	2010-ag-3752	Ms. Amna Arshad	Dr. Shahbaz Talib Sahi	Plant Pathology	Agriculture
26	Phase-II Batch VI	520-143992-2AV6- 163 (50093564)	2017-ag-0210	Ms. Ayesha Noreen	Dr. M. Farrakh Nawaz	Foresatry	Agriculture
27	Phase-II Batch VI	520-144907-2AV6- 21 (50093440)	2016-ag-16	Mr. M. Bilal	Dr. Hafiz Shehzad Muzammil	NIFSAT	Food Nutrition and Home Sciences
28	Phase-II Batch VI	520-139599-2AV6- 063 (50039922)	2013-ag-2785	Mr. M. Ajmal	Dr. Hassan Munir	Agronomy	Agriculture
29	Phase-II Batch VI	520-139218- 2MD6-134 (50093188)	2017-ag-2174	Ms. Roma Saleem	Dr. Mian Kamran Sharif	NIFSAT	Food Nutrition and Home Sciences
30	Phase-II Batch V	518-133830-2AV5- 066 (50042829)	2012-ag-781	Mr. Lillah	Dr. Ali Asghar (new supervisor) Dr. Aamir Shehzad (previous)	NIFSAT	Food Nutrition and Home Sciences
31	Phase-II Batch V	518-83541-2AV5- 006(50042779)	2010-ag-2672	Ms. Ayesha Abdul Qadir	Prof. Dr. Ghulam Murtaza	Soil and Environmental Sciences	Agriculture
32	Phase-II Batch V	518-81394-2AV5- 054(50042820)	99-ag-1173	Mr. Allah Nawaz	Dr. Tariq Aziz	Soil and Environmental Sciences	Agriculture

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
33	Phase-II Batch V	518-76496-2AV5-063 (50042826)	2010-ag-3585	Ms. Fatima Aslam Bhatti	Dr. M. Naveed	Soil and Environmental Sciences	Agriculture
34	Phase-II Batch V	518-75399-2PS5-005(50043405)	2010-ag-2600	Mr. Zia Ur Rehman Farooqi	Dr. M. Sabir	Soil and Environmental Sciences	Agriculture
35	Phase-II Batch V	518-81995-2AV5-010 (50042782)	2010-ag-3397	Ms. Maryium Sajjad	Dr. Humera Razzaq	Plant Breeding & Genetics	Agriculture
36	Phase-II Batch V	518-110633-2AV5-019 (50042788)	2008-ag-1863	Ms. Zeba Ali	Dr. Amir Bibi	Plant Breeding & Genetics	Agriculture
37	Phase-II Batch V	518-86466-2AV5-007 (50042780)	2010-ag-3287	Ms. Rameesha Amjad Ali	Prof. Dr. Mansoor-ul-Hassan	Entomology	Agriculture
38	Phase-II Batch V	518-108061-2AV5-050 (50042816)	2009-ag-3343	Mr. M. Zulqarnain Shakir	Prof. Dr. Farzana Rizvi	Pathology	Veterinary sciences
39	Phase-II Batch V	518-120647-2AV5-064 (50042827)	2010-ag-3381	Mr. Musab Imtiaz	Prof. Dr. Tanwir Ahmad Malik	Plant Breeding & Genetics	Agriculture
40	Phase-II Batch V	518-110434-2AV5-039 (50042805)	2009-ag-3485	Mr. Ashiq Ali	Dr. Aisha Khatoon	Pathology	Veterinary Sciences
41	Phase-II Batch V	518-86765-2AV5-004 (50042777)	2011-ag-3363	Mr. Raza Ejaz	Dr. Khalid Mahmood	Agri. Extension & Rural Development	Social Sciences
42	Phase-II Batch V	518-112912-2AV5-011 (50042783)	2010-ag-3419	Mr. M. Umair Shafique	Dr. Adnan Younis	Horticultural Sciences	Agriculture
43	Phase-II Batch V	518-113110-2PS5-090 (50043483)	2012-ag-814	Ms. Tayyiba Aliyam	Dr. Saima Noreen	Chemistry	Sciences
44	Phase-II Batch V	518-136673-2AV5-049 (50042815)	2010-ag-3055	Mr. M. Rizwan	Prof. Dr. Masood Sadiq Butt	NIFSAT	Food Nutrition and Home Sciences
45	Phase-II Batch V	518-115741-2AV5-107 (50042866)	2006-ag-1965	Mr. Tasawar Ali	Prof. Dr. Javaid Akhtar	Soil and Environmental Sciences	Agriculture
46	Phase-II Batch V	518-79444-2AV5-009 (50042781)	2014-ag-1627	Ms. Najam us Sahar	Prof. Dr. M. Aslam Mirza	Animal and Dairy Sciences	Animal Husbandary
47	Phase-II Batch V	518-75435-2BS5-006 (50025213)	2017-ag-5224	Ms. Deebea Naz	Prof. Dr. Sajjad ur Rehman	Microbiology	Veterinary Sciences
48	Phase-II Batch V	518-77039-2AV5-012 (50033861)	2014-ag-1628	Mr. M. Shoaib	Dr. Shaikat Ali Bhatti	Animal and Dairy Sciences	Animal Husbandary
49	Phase-II Batch V	518-119887-2AV5-095 (50042854)	2009-ag-2437	Mr. Abdul Qadeer	Prof. Dr. M. Yaseen	Soil and Environmental Sciences	Agriculture
50	Phase-II Batch V	518-76512-2AV5-035 (50042801)	2010-ag-2828	Mr. M. Imran Ashraf	Dr. M. Aamer Maqsood	Soil and Environmental Sciences	Agriculture
51	Phase-II Batch V	518-110538-2AV5-090 (50042849)	2011-ag-3641	Mr. M. Usman Ibrahim	Prof. Dr. Abdul Khaliq	Agronomy	Agriculture
52	Phase-II Batch V	518-126575-2AV5-093 (50042852)	2011-ag-3610	Ms. Amna Javaid	Dr. M. Ahsan	Plant Breeding and Genetics	Agriculture
53	Phase-II Batch V	518-79942-2AV5-065 (50042828)	2018-ag-4825	Mr. Zafran Khan	Prof. Dr. Tanwir Ahmad Malik	Plant Breeding and Genetics	Agriculture

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
54	Phase-II Batch V	518-86264-2AV5-021 (50042790)	2008-ag-28	Mr. M. Yasir	Prof. Dr. Mansoor ul Hasan	Entomology	Agriculture
55	Phase-II Batch V	518-74771-2AV5-046 (50042812)	2004-ag-1361	Mr. M. Saleem	Prof. Dr. Mansoor ul Hasan	Entomology	Agriculture
56	Phase-II Batch V	518-75221-2AV5-031 (50042798)	2009-ag-2766	Mr. M. Asim	Dr. M. Saif ur Rehman	Animal and Dairy Sciences	Veterinary Sciences
57	Phase-II Batch V	518-85978-2AV5-034 (50042800)	2011-ag-3318	Mr. Zain Mushtaq	Dr. Hafiz Naeem Asghar	Soil and Environmental Sciences	Agriculture
58	Phase-II Batch V	518-77947-2AV5-041 (50042807)	2010-ag-2889	Mr. Ghulam Muhammad Ehsan	Dr. M. Ayyoub Tanvir	Forestry & Range Management	Agriculture
59	Phase-II Batch V	518-116226-2AV5-111 (50042869)	2010-ag-2705	Mr. M. Usman Afzal	Dr. Sajid Aleem Khan	Plant Pathology	Agriculture
60	Phase-II Batch V	518-78545-2AV5-036 (50042802)	2011-ag-3698	Mr. M. Nadeem	Dr. M. Anwar ul Haq	Soil and Environmental Sciences	Agriculture
61	Phase-II Batch V	518-110684-2AV5-118 (50023730)	2000-ag-1014	Mr. M. Tauseef	Prof. Dr. Shahzad Maqsood Ahmad Basra	Agronomy	Agriculture
62	Phase-II Batch V	518-117313-2MD5-036 (50043699)	2011-ag-4219	Ms. Asna Zahid	DG, NIFSAT, stopgap arrangement) Prof. Dr. Tahir Zahoor	NIFSAT	Food Nutrition and Home Sciences
63	Phase-II Batch V	518-127922-2PS5-168 (50042825)	2014-ag-9406	Ms. Sobia Riaz	Prof. Dr. Ghulam Murtaza	Soil and Environmental Sciences	Agriculture
64	Phase-II Batch V	518-115765-2AV5-017 (50042786)	2016-ag-55	Ms. Tayyaba Alvi	Dr. Kashif Iqbal Khan	NIFSAT	Food Nutrition and Home Sciences
65	Phase-II Batch V	518-113097-2AV5-115 (50042873)	97-ag-1041	Mr. Waseem Hassan	Dr. Zulfiqar Ahmad Saqib	Soil & Environmental Sciences	Agriculture
66	Phase-II Batch V	518-113027-2AV5-030 (50042797)	2000-ag-1092	Mr. Sharoon Masih	Dr. Rizwan Shukat	NIFSAT	Food Nutrition and Home Sciences
67	Phase-II Batch V	518-121977-2PS5-032 (50043428)	2009-ag-701	Ms. Noor Tahir	Dr. M. Zahid	Chemistry	Sciences
68	Phase-II Batch V	518-85233-2MD5-021 (50043685)	2010-ag-2099	Ms. Anam Hameed	Dr. Allah Rakha	NIFSAT	Food Nutrition and Home Sciences
69	Phase-II Batch V	518-113242-2AV5-025 (50042794)	2016-ag-28	Ms. Sania Zia	Dr. Moazzam Rafiq Khan	NIFSAT	Food Nutrition and Home Sciences
70	Phase-II Batch V	518-74712-2MD5-028 (50043691)	2011-ag-4214	Ms. Makkia Saleem	Dr. Mian Kamran Sharif	NIFSAT	Food Nutrition and Home Sciences
71	Phase-II Batch V	518-86852-2AV5-104 (50042863)	2009-ag-3283	Mr. Tahseen Afzal	Dr. M. Sana Ullah	Soil & Environmental Sciences	Agriculture
72	Phase-II Batch V	518-84810-2AV5-062 (50043748)	2010-ag-2804	Ms. Misbah Murid	Dr. M. Kashif Iqbal Khan	NIFSAT	Food Nutrition and Home Sciences
73	Phase-II Batch V	518-84451-2AV5-096	2010-ag-2713	Mr. Hafiz Amjad Ali Rana	Dr. M. Iftikhar	Agri. Extension & Rural Development	Social Sciences

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
74	Phase-II Batch V	518-130042-2AV5-117 (50042875)	2010-ag-2804	Ms. Bushra Ishfaq	Dr. Aysha Sameen	NIFSAT	Food Nutrition and Home Sciences
75	Phase-II Batch V	518-115131-2MD5-006 (50043670)	2010-ag-2076	Ms. Sidra Nazeer	Dr. Abid Aslam Maan	NIFSAT	Food Nutrition and Home Sciences
76	Phase-II Batch V	518-113132-2AV5-045 (50042811)	99-ag-1163	Ms. Humaira Kausar	Dr. Moazzam Rafiq Khan	NIFSAT	Food Nutrition and Home Sciences
77	Phase-II Batch V	518-75348-2AV5-060 (50042824)	2018-ag-4811	Mr. Sanaullah Khan	Dr. Razia Kausar	Anatomy	Veterinary Sciences
78	Phase-II Batch V	518-82305-2AV5-033 (50045586)	2004-ag-1231	Mr. M. Imran	Prof. Dr. Shahbaz Talib Sahi	Plant Pathology	Agriculture
79	Phase-II Batch V	518-75886-2PS5-023 (50043420)	2010-ag-3462	Mr. Nukshab Zeeshan	Prof. Dr. Ghulam Murtaza	Soil and Environmental Sciences	Agriculture
80	Phase-II Batch V	518-115941-2AV5-013 (50042784)	2011-ag-3354	Ms. Mehak Shehzad	Dr. Adnan Younis	Horticultural Sciences	Agriculture
81	Phase-II Batch V	518-122081-2AV5-003 (50042776)	2010-ag-2972/	Ms. Tahira Naseem	Dr. Adnan Younis	Horticultural Sciences	Agriculture
82	Phase-II Batch V	518-81469-2EG5-012 (50028985)	2010-ag-2330	Mr. M. Bilal	Prof. Dr. M. Arshad	Irrigation and Drainage	Agricultural Engineering & Technology
83	Phase-II Batch V	518-86306-2AV5-029 (50042796)	2011-ag-3078	Mr. Hafiz Zahid Mehmood	Dr. Azhar Abbas	Agricultural & Resources Economics	Social Sciences
84	Phase-II Batch V	518-82240-2AV5-112 (50042870)	2002-ag-1545	Mr. Amjad Farooq	Dr. Amir Shakeel	Plant Breeding and Genetics	Agriculture
85	Phase-II Batch V	518-112144-2AV5-076 (50042838)	96-ag-1342	Mr. Muhammad Zahid Aslam	Dr. Hafiza Masooma Naseer Cheema	Plant Breeding and Genetics	Agriculture
86	Phase-II Batch V	518-125139-2AV5-018 (50042787)	2010-ag-2668	Ms. Sajila Sahar	Dr. Farooq Ahmad Khan	Plant Breeding and Genetics	Agriculture
87	Phase-II Batch V	518-129264-2SS5-002 (50043607)	2015-ag-109	Ms. Ayesha Batool	Dr. Farkhanda Anjum	Rural Sociology	Social Sciences
88	Phase-II Batch V	518-127579-2AV5-183 (50045910)	2004-ag-2090	Mr. Shaham Hamayoun Khan	Dr. M. Aslam	Plant Breeding and Genetics	Agriculture
89	Phase-II Batch V	518-123438-2AV5-163 (50042913)	2002-ag-1681	Mr. Hafiz Naveed Ramzan	Prof. Dr. Asif Tanveer	Agronomy	Agriculture
90	Phase-II Batch V	518-112903-2AV5-184 (50045911)	2001-ag-977	Ms. Saima Parveen	Dr. Imran Pasha	NIFSAT	Food Nutrition and Home Sciences
91	Phase-II Batch V	518-82698-2AV5-052 (50042818)	2010-ag-2522	Mr. Muhammad Nadeem	Dr. M. Kasib Khan	Parasitology	Veterinary Science
92	Phase-II Batch V	518-110756-2AV5-152 (50042897)	2011-ag-3457	Mr. M. Uzair	Dr. Asif Saeed	Plant Breeding & Genetics	Agriculture
93	Phase-II Batch V	518-126806-2AV5-016 (50045959)	2010-ag-3167	Ms. Noor-E-Hira	Prof. Dr. M. Tahir Siddiqui	Forestry & Range Management	Agriculture
94	Phase-II Batch V	518-83674-2SS5-022 (50024468)	2009-ag-2055	Ms. Shama Mushtaq	Prof. Dr. Saira Akhtar	Rural Sociology	Social Sciences

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
95	Phase-II Batch V	518-116328-2AV5-175 (50045901)	2010-ag-2673	Mr. M. Ahmad	Dr. Ejaz Ahmad Waraich	Agronomy	Agriculture
96	Phase-II Batch V	518-75635-2AV5-181 (50045907)	2011-ag-3058	Mr. M. Tayyab	Dr. Abdul Wakeel	Soil and Environmental Sciences	Agriculture
97	Phase-II Batch V	518-125953-2AV5-103 (50042862)	2010-ag-2836	Mr. M. Wajid Javed	Prof. Dr. Mansoor-ul-Hassan	Entomology	Agriculture
98	Phase-II Batch V	518-113095-2AV5-002 (50042775)	2001-ag-776	Mr. Zafar Iqbal	Prof. Dr. Tahir Zahoor	NIFSAT	Food Nutrition and Home Sciences
99	Phase-II Batch V	518-121000-2AV5-113 (50042871)	2012-ag-3237	Mr. Ghalib	Prof. Dr. Shahbaz Talib Sahi	Plant Pathology	Agriculture
100	Phase-II Batch V	518-117232-2AV5-058 (50045596)	2009-ag-2184	Mr. M. Shoaib	Prof. Dr. Khalid Mahmood	Agri. Extension & Rural Development	Social Sciences
101	Phase-II Batch V	518-115503-2AV5-057 (50042822)	2010-ag-2812	Mr. M. Saleem	Dr. Shoukat Ali	Agri. Extension & Rural Development	Social Sciences
102	Phase-II Batch V	518-118664-2AV5-020 (50042789)	2010-ag-2703	Mr. Waseem Iqbal	Prof. Dr. C. M. Ayyub	Horticultural Sciences	Agriculture
103	Phase-II Batch V	518-119723-2AV5-129 (50042896)	2011-ag-3132	Mr. Ghulam Shabir	Dr. Amir Shakeel	Plant Breeding & Genetics	Agriculture
104	Phase-II Batch V	518-86543-2MD5-054 (50043715)	2011-ag-4212	Ms. Fakiha Mehak	Dr. M. Asim Shabbir	NIFSAT	Food Nutrition and Home Sciences
105	Phase-II Batch V	518-83054-2EG5-026 (50045619)	2010-ag-2215	Mr. Jaffar Sattar	Dr. M. Uzair Qamar	Irrigation and Drainage	Engineering
106	Phase-II Batch V	518-85256-2AV5-042 (50042808)	2004-ag-1603	Mr. Mumtaz Hussain	Dr. Razia Kausar	Anatomy	Veterinary Science
107	Phase-II Batch V	518-107274-2AV5-136 (50042886)	2015-ag-461	Mr. M. Yasir Nawaz	Dr. Aisha Khatoon	Pathology	Veterinary Science
108	Phase-II Batch V	518-139074-2AV5-077 (50042839)/	2001-ag-984	Miss Hafsa Zafar	Dr. M. Anwar Ul Haq	Soil and Environmental Sciences	Agriculture

List of PhD scholars under indigenous PhD fellowship program funded by HEC (completed)

SN	Batch No.	PIN No.	Regd.No.	Student Name	Supervisor Name	Department/ Institute	Faculty
01	Phase-II Batch III	315-7441-2AV3-039 (50033786)	2001-ag-941	Ms. Ifra Saleem	Dr. M. Aamer Maqsood	Soil & Environmental Sciences	Agriculture
02	Phase-II Batch III	315-20594-2AV3-119 (50033850)	2012-ag-820	Ms. Sajeela Akram	Dr. Akmal Nazir/ Prof. Dr. Masood Sadiq Butt	NIFSAT	Food Nutrition and Home Sciences
03	Phase-II Batch III	315-6948-2AV3-033 (50033780)	2012-ag-783	Mr. Wahab Ali Khan	Prof. Dr. Masood Sadiq Butt	NIFSAT	Food Nutrition and Home Sciences
04	Phase-II Batch III	315-1684-2AV3-007 (50033758)	2009-ag-2492	Mr. M. Awais Farooq	Dr. Amir Shakeel	Plant Breeding & Genetics	Agriculture

Reimbursement / Remuneration of impact factor publications during 2020-21

SN	Name of Faculty	No. of Cases	Amount (Rs.)
1	Faculty of Agriculture	33	883,186
2	Faculty of Agricultural Engineering and Technology	6	169,694
3	Faculty of Social Sciences	1	15,000
4	Faculty of Veterinary Sciences	12	373,784
5	Faculty of Animal Husbandry	-	-
6	Faculty of Food, Nutrition and Home Sciences	26	498,588
7	Faculty of Sciences	20	910,968
8	Others	4	406,988
	Total	102	3,258,208

Reimbursement / Remuneration of impact factor publications during 2020-21

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
1.	Ms. Anam Moosa, Student, 2009-ag-2940, Ph.D. Department of Plant Pathology, UAF	First report of <i>Alternaria</i> brown spot of <i>Citrus reticulata</i> cv. 'Kinnow' caused by <i>Alternaria arborescens</i> in Pakistan	Journal of Plant Pathology
2.	Aman Ullah, Student, 2009-ag-2265, Department of Agronomy, UAF	Improving the productivity, profitability and grain quality of kabuli chickpea with co-application of zinc and endophyte bacteria <i>Enterobacter</i> sp. MN17	Archives of Agronomy and Soil Science
3.	Aman Ullah, Student, 2009-ag-2265, Department of Agronomy, UAF	Adequate zinc nutrition improves the tolerance against drought and heat stresses in chickpea	Plant Physiology and Biochemistry
4.	Dr. Zubair Aslam, Associate Professor, Corresponding Author, Department of Agronomy, UAF	Zinc nutrition application augments morphophysiological attributes, productivity and grain zinc bioavailability of paddy rice	Journal of Applied Botany and Food Quality
5.	Dr. M. Iqbal, Associate Professor, 1st Author, Inst. of Soil and Env. Sciences, UAF	Soil water and residue amendment effects on nutrient availability and wheat growth in silt loam soils of South Australia	International Journal of Agriculture and Biology
6.	Dr. Fozia Saleem, Assistant Professor, Corresponding Author, Center of Agricultural Biochemistry and Biotechnology (CABB), UAF	Metabolomics: A way forward for crop improvement	Metabolites
7.	M. Zahid Rashid, Student, 2007-ag-2244, Inst. of Horticulture Science, UAF	Comparative efficacy of some botanical extracts and commercial coating materials for improving the storage life and maintain quality of kinnow mandarin (<i>Citrus reticulata</i> L.)	Applied Ecology and Environmental Research

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
8.	Dr. M. Issa Khan, Associate Professor, Corresponding Author, National Inst. of Food sci and Technology (NIFSAT), UAF	Development of omega-3 rich eggs through dietary flaxseed and bioevaluation in metabolic syndrome	Food Science & Nutrition
9.	Dr. M. Imran Arshad, Assistant Professor, Co-author, Inst. of Microbiology, UAF	Human BK and JC polyomaviruses: Molecular insights and prevalence in Asia	Virus Research
10.	Dr. Aysha Sameen, Associate Professor, Corresponding Author, National Inst. of Food Science and Technology, UAF	Descriptive Sensory analysis of pizza cheese made from mozzarella and semi-ripened cheddar cheese under microwave and conventional cooking	Food Science & Nutrition
11.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Carotenoid-oated nanocarriers. A comprehensive review	Advances In Colloid and Interface Science
12.	Dr. M. Inam –ur-Raheem, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Functional food and nutraceutical perspectives of date (<i>Phoenix dactylifera</i> L.) fruit	Journal of Food Biochemistry
13.	Dr. Hammad Badar, Assistant Professor, 1st Author/Corresponding Author, Inst. of Business Management Sciences, UAF	An assessment of consumer preferences for fresh potatoes in Punjab, Pakistan	Pakistan Journal of Agricultural Sciences
14.	Dr. M. Inam –ur-Raheem, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Advances in green processing of seed oils using ultrasound-assisted extraction: A review	Journal of Food Processing and Preservation
15.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Novel extraction techniques and pharmaceutical activities of luteolin and its derivatives,	Journal of Food Biochemistry
16.	Ms. Mariya Azam, Student, 2015-ag-4242, Inst. of Microbiology, UAF	Genomic background of a colistin-resistant and highly virulent MCR-1-positive <i>Escherichia coli</i> ST6395 from a broiler chicken in Pakistan	Pathogens and Disease
17.	Ms. Aliya Hanif, Student, 2009-ag-2756, Inst. of Horticultural Sciences, UAF	Postharvest application of salicylic acid reduced decay and enhanced storage life of papaya fruit during cold storage	Journal of Food Measurement and Characterization
18.	Ms. Farah Ejaz, Student, 2011-ag-3408, Department of Forestry & Range Management, UAF	Risk assessment of heavy metal and microbial contamination in commercially available salad vegetables of Faisalabad, Pakistan	Pakistan Journal of Botany

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
19.	Dr. Moazzam Rafiq Khan, Associate Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	An inclusive overview of advanced thermal and nonthermal extraction techniques for bioactive compounds in food and food-related matrices	Food Reviews International
20.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Utilization of wastewater from edible oil industry, turning waste into valuable products: A review	Trends in Food Science & Technology
21.	Dr. M. Khalid Bashir, Assistant Professor, Corresponding Author, Directorate of Graduate Studies, UAF	Effect of Licorice (<i>Glycyrrhiza glabra</i>) extract on growth performance, carcass parameters and hematology of broilers	Pakistan Journal of Agricultural Sciences
22.	Dr. M. Kasib Khan, Associate Professor, Corresponding Author, Department of Parasitology, UAF	Sero-prevalence of hydatidosis in camel population in different ecological zones of Balochistan Province, Pakistan	International Journal of Agriculture and Biology
23.	Dr. Aman Ullah Malik, Professor, Corresponding Author, Inst. of Horticultural Sciences, UAF	Effect of modified atmosphere packaging on the postharvest life and quality of mango cv. samar bahisht chaunsa stored at chilling temperature	Pakistan Journal of Agricultural Science
24.	Dr. Aman Ullah Malik, Professor, Corresponding Author, Inst. of Horticultural Sciences, UAF	Impact of postharvest hot water treatment on two commercial mango cultivars of Pakistan under simulated air freight conditions for china	Pakistan Journal of Agricultural Science
25.	Dr. Allah Bakhsh, Professor, 1 st Author & Corresponding Author, Department of Irrigation and Drainage, UAF	Adoption of high efficiency irrigation system (heis) in Punjab, Pakistan: challenges and options	Pakistan Journal of Agricultural Science
26.	Dr. Junaid Nawaz Ch., Research Officer, 1st & Corresponding Author, Water Management Research Centre, (WMRC), UAF	Impact assessment of precision agriculture and optimization of fertigation for corn growth	Pakistan Journal of Agricultural Science
27.	Dr. Ahmad Nawaz, Assistant Professor, Corresponding Author, Department of Entomology, UAF	Comparative toxicity assessment of nuclear polyhedrosis virus and spinosad against <i>Spodoptera litura</i> (Fabricious) in semi field conditions	Pakistan Journal of Agricultural Science
28.	Dr. M. Uzair Qamar, Assistant Professor, 1st Author & Corresponding Author, Department of Irrigation and Drainage, UAF	Pitfalls in transboundary Indus water treaty: a perspective to prevent unattended threats to the global security	NPJ Clean Water
29.	Ms. Sana Shahzad, Ph.D Student, 2007-ag-2502, Inst. of Horticultural Sciences, UAF	Exogenous application of inorganic salts during growth stages influences the vegetative growth, marketable yield and quality of strawberry (<i>Fragaria X Ananassa</i>) cultivar 'Chandler	Applied Ecology and Environmental Research

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
30.	Mr. M. Shafi Hasni, Student, 2009-ag-3435, Department of Parasitology, UAF	Sero-prevalence of hydatidosis in camel population in different ecological zones of Balochistan Province, Pakistan	International Journal of Agriculture and Biology
31.	Ms. Mariya Azam, Student, 2015-ag-4242, Inst. of Microbiology, UAF.	Genomic landscape of multi-drug resistant avian pathogenic <i>Escherichia coli</i> recovered from broilers	Veterinary Microbiology
32.	Dr. Aftab Ahmad, Assistant Professor, Corresponding Author, Department of Biochemistry UAF.	Analysis of SARS-CoV-2 RNA-dependent RNA polymerase as a potential therapeutic drug target using a computational approach	Journal of Translational Medicine
33.	Dr. Faisal Saeed Awan, Associate Professor, Corresponding Author, CABB, UAF.	Genome-wide association mapping for stripe rust resistance in Pakistani spring wheat genotypes	Plants
34.	Dr. M. Inam –ur-Raheem, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Impact of novel processing techniques on the functional properties of egg products and derivatives: A review	Journal of Food Process Engineering
35.	Ms. Anam Moosa, Student, 2009-ag-2940, Ph.D. Department of Plant Pathology, UAF.	First report of postharvest <i>Fusarium</i> rot caused by <i>Fusarium oxysporum</i> on <i>Citrus reticulata</i> Blanco C.V Kinnow' in Pakistan	Journal of Plant Pathology
36.	Mr. Bilal Abdullah, Student, 2012-ag-2800, Inst. of Horticultural Sciences, UAF.	Optimal sowing time and planting density for selected field grown cut <i>Antirrhinum</i> and <i>Matthiola</i>	Scientia Horticulturae
37.	Mr. Arslan Ali, Student, 2013-ag-4259, Inst. of Microbiology, UAF.	Draft genome sequence of an extended spectrum betalactamase producing <i>Escherichia coli</i> ST58 isolate from cattle in Pakistan	Journal of Global Antimicrobial Resistance
38.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Cysteine and homocysteine as biomarker of various diseases	Food Science & Nutrition
39.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Electrical systems for pulsed electric field applications in the food industry: An engineering perspective	Trends In Food Science & Technology
40.	Mr. M. Bilal Ayyub, Student, 2007-ag-2507, Department of Entomology, UAF.	Comparative toxicity assessment of nuclear polyhedrosis virus and spinosad against <i>Spodoptera litura</i> (Fabricious) in semi field conditions	Pakistan Journal of Agricultural Sciences
41.	Mr. M. Umair Hassan, Student, 2009-ag-2562, Department of Agronomy, UAF.	Cultivar and seeding time role in sorghum to optimize biomass and methane yield under warm dry climate	Industrial Crops and Products

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
42.	Ms. Ayesha Maryam, Student, 2010-ag-3403, Inst. of Horticultural Sciences, UAF.	Combined aqueous ozone and ultrasound application inhibits microbial spoilage, reduces pesticide residues and maintains storage quality of strawberry fruits	Journal of Food Measurement and Characterization
43.	Mr. M. Azeem Sabir, Student, 2010-ag-2895, Department of Forestry & Range Management, UAF.	A consistent Co(2)assimilation rate and an enhanced root development drives the tolerance mechanism in <i>Ziziphus Jujube</i> under soil water deficit	Arid Land Research and Management
44.	Ms. Sawera Maqsood, Student, 2017-ag-3064, Department of Zoology, Wildlife & Fisheries, UAF.	Effect of dawn and dusk on the diversity and abundance of arthropods in agroecosystem	Pakistan Journal of Agricultural Sciences
45.	Mr. Zain Mushtaq, Student, Ph.D Scholar, Institute of Soil and Environmental Sciences, UAF	Comparative growth analysis of okra (<i>Abelmoschus esculentus</i>) in the presence of PGPR and press mud in chromium contaminated soil	Chemosphere
46.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Fish protein and its derivatives: the novel applications, bioactivities, and their functional significance in food products	Food Reviews International
47.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Drug nanodelivery systems based on natural polysaccharides against different diseases	Advances in Colloid and Interface Science
48.	Mr. M. Tahir Akram, Student, 2008-ag-2473, Inst. of Horticultural Sciences, UAF.	Phenological and physicochemical evaluation of table grapes germplasm growing under arid subtropical climate of Pakistan	Pakistan Journal of Botany
49.	Mr. Waqar Majeed, Student, 2015-ag-2312, Department of Zoology, Wildlife and Fisheries, UAF.	Occurrence of different insect species with emphasis on their abundance and diversity in different habitats of Faisalabad, Pakistan	International Journal of Tropical Insect Science
50.	Mr. M. Ishfaq, Student, 2010-ag-2727, Department of Agronomy, UAF	Alternate wetting and drying: A water-saving and ecofriendly rice production system	Agricultural Water Management
51.	Mr. M. Ishfaq, Student, 2010-ag-2727, Department of Agronomy, UAF	Influence of nitrogen management regimes on milling recovery and grain quality of aromatic rice in different rice production systems	Agronomy
52.	Mr. M. Ishfaq, Student, 2010-ag-2727, Department of Agronomy, UAF	Influence of nitrogen fertilization pattern on productivity, nitrogen use efficiencies, and profitability in different rice production systems	Journal of Soil Science and Plant Nutrition

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
53.	Dr. Farah Ahmad, Student, 2006-ag-1603, National Inst. of Food Science and Technology, UAF	Probing the effect of physical modifications on cereal bran chemistry and antioxidant potential	Journal of Food Measurement and Characterization
54.	Mr. Asim Abbasi, Student, 2007-ag-2354, Department of Entomology, UAF	Effect of silicon on oviposition preference and biology of <i>Bemisia tabaci</i> (Gennadius) (Homoptera: Aleyrodidae) feeding on <i>Gossypium hirsutum</i> (Linnaeus)	International Journal of Pest Management
55.	Mr. M. Umair, Student, 2013-ag-2680, Inst. of Microbiology, UAF	First case report on quantification of antimicrobial use in corporate dairy farms in Pakistan	Frontiers in Veterinary Science
56.	Dr. Mashkoor Mohsin Gilani, Assistant Professor, Corresponding Author, Inst. of Microbiology, UAF.	First case report on quantification of antimicrobial use in corporate dairy farms in Pakistan	Frontiers in Veterinary Science
57.	Mr. M. Ishfaq, Student, 2010-ag-2727, Department of Agronomy, UAF	Influence of water management techniques on milling recovery, grain quality and mercury uptake in different rice production systems	Agricultural Water Management
58.	Dr. Moazzam Rafiq Khan, Associate Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Sources, formulations, advanced delivery and health benefits of probiotics	Current Opinion in Food Science
59.	Prof. Dr. M. Asgher, Dean, Faculty of Sciences, UAF	Bio-based active food packaging materials: Sustainable alternative to conventional petrochemical-based packaging materials	Food Research International
60.	Prof. Dr. M. Asgher, Dean, Faculty of Sciences, UAF	Microbial exopolysaccharide-based nano-carriers with unique multi-functionalities for biomedical sectors	Biologia
61.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Effective valorization of food wastes and by-products through pulsed electric field: A systematic review	Journal of Food Process Engineering
62.	Dr. Moazzam Rafiq Khan, Associate Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Channelling eggshell waste to valuable and utilizable products: A comprehensive review	Trends In Food Science & Technology
63.	Dr. Nazia Ehsan, Lecturer, 1 st and Corresponding Author, Department of Zoology, Wildlife and Fisheries, UAF	<i>Ex situ</i> predation potential of aphidophagous coccinellids	Pakistan Journal of Agricultural Sciences

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
64.	Dr. Junaid Ali Khan, Associate Professor, Inst. of Pharmacy, Physiology & Pharmacology, UAF	Adiponectin and PPAR: a setup for intricate crosstalk between obesity and non-alcoholic fatty liver disease	Reviews In Endocrine & Metabolic Disorders
65.	Dr. Amna Sahar, Associate Professor, Department of Food Engineering, UAF	Potentiality of analytical approaches to determine gelatin authenticity in food systems: A review	LWT-Food Science and Technology
66.	Dr. Amna Sahar, Associate Professor, Department of Food Engineering, UAF	Monitoring thermal treatments applied to meat using traditional methods and spectroscopic techniques: A review of advances over the last decade	Food And Bioprocess Technology
67.	Dr. Amna Sahar, Associate Professor, Department of Food Engineering, UAF	Spectroscopic techniques for monitoring changes in the quality of milk and other dairy products during processing and storage	Critical Reviews in Food Science and Nutrition
68.	Mr. M. Umair, Student, 2013-ag-2680, Inst. of Microbiology, UAF	Excessive use of medically important antimicrobials in food animals in Pakistan: a five-year surveillance survey.	Global Health Action
69.	Dr. Aftab Ahmad, Assistant Professor, Corresponding Author, Department of Biochemistry, UAF	Development of DNA barcodes for selected Acacia species by using RBCL and matK DNA markers	Saudi Journal of Biological Sciences
70.	Dr. M. Zahid, Associate Professor, Corresponding Author, Department of Chemistry, UAF	UV-Accelerated photocatalytic degradation of pesticide over magnetite and cobalt ferrite decorated graphene oxide composite	Plants
71.	Ms. Nimra Nadeem, Student, 2012-ag-813, Department of Chemistry, UAF	Degradation of reactive dye using heterogeneous photo-Fenton catalysts: ZnFe ₂ O ₄ and GO-ZnFe ₂ O ₄ composite	Materials Research Express
72.	Mr. Waqar Majeed, Student, 2015-ag-2312, Dept. of Zoology, Wildlife and Fisheries, UAF	Impacts and evaluation of Hormoligosis of some insect growth regulators on <i>Phenacoccus solenopsis</i> (Hemiptera: Pseudococcidae)	International Journal of Tropical Insect Science
73.	Dr. Farah Ahmad, Student, 2006-ag-1603, National Inst. of Food Science and Technology, UAF	Monosaccharide composition and carbohydrates linkage identification in cereal brans using UHPLC/QqQ-DMRM-MS	Journal of Food Composition and Analysis
74.	Dr. Ahmad Sattar Khan, Associate Professor, 1st and Corresponding Author, Inst. of horticultural Sciences, UAF	Post-Bloom applied moringa leaf extract improves growth, productivity and quality of early-season maturing grapes (<i>Vitis vinifera</i>)	International Journal of Agriculture and Biology

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
75.	Dr. Ghulam Mustafa, Assistant Professor, 1st Author, CABB, UAF	Transmission of engineered plastids in sugarcane, a C-4 monocotyledonous plant, reveals that sorting of preprogrammed progenitor cells produce heteroplasmy	Plants-Basel
76.	Dr. Rao Sohail Ahmad Khan, Assistant Professor, Corresponding Author, CABB, UAF	Polymorphic information and genetic diversity in <i>Brassica</i> species revealed by RAPD markers	Biocell
77.	Dr. Abdul Wakeel, Associate Professor, Inst. of Soil and Environmental Sciences, UAF	Use of poultry mortality compost for biofortification of trace elements in food crops	International Journal of Agriculture and Biology
78.	Ms. Zuberah Naseem, Student, 2008-ag-803, Department of Chemistry, UAF	Use of hydrogen-bonded supramolecular eutectic solvents for eco-friendly extraction of bioactive molecules from <i>Cymbopogon citratus</i> using Box-Behnken design	Journal Of Food Measurement and Characterization
79.	Ms. Zuberah Naseem, Student, 2008-ag-803, Department of Chemistry, UAF	Green extraction of ethnomedicinal compounds from <i>Cymbopogon citratus</i> Stapf using hydrogen-bonded supramolecular network	Separation Science and Technology
80.	Ms. Sobia Jabeen, Student, 2008-ag-563, Department of Chemistry, UAF	Design, synthesis and application of triazole ligands in suzuki miyaura cross coupling reaction of aryl chlorides	Journal of Molecular Structure
81.	Ms. Sobia Jabeen, Student, 2008-ag-563, Department of Chemistry, UAF	Tuning optoelectronic properties of dithienopyrrole donor molecules for organic solar cells	Russian Journal of Physical Chemistry A
82.	Ms. Farwa Mushtaq, Student, 2014-ag-734, Department of Chemistry, UAF	MnFe ₂ O ₄ /coal fly ash nanocomposite: a novel sunlight-active magnetic photocatalyst for dye degradation	International Journal of Environmental Science and Technology
83.	Mr. Tariq Munir, Student, 2012-ag-3357, Inst. of Microbiology, UAF	IL-33 ameliorates liver injury and inflammation in Poly I:C and Concanavalin-A induced acute hepatitis	Microbial Pathogenesis
84.	Ms. Munazzah Yaqoob, Student, 2017-ag-3288, Department of Chemistry, UAF	Theoretical calculation of selenium N-heterocyclic carbene compounds through DFT studies: Synthesis, characterization and biological potential	Journal of Molecular Structure
85.	Mr. M. Shabaan, Student, 2011-ag-3050, Institute of Soil and Environmental Science, UAF	Role of plant growth promoting rhizobacteria in the alleviation of lead toxicity to <i>Pisum sativum</i> L.	International Journal of Phytoremediation

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
86.	Dr. Aftab Ahmad, Assistant Professor, Corresponding Author, Department of Biochemistry UAF.	Identification of edible fish species of pakistan through dna barcoding	Frontiers In Marine Science
87.	Ms. Zubera Naseem, Student, 2008-ag-803, Department of Chemistry, UAF	Theoretical investigation of supramolecular hydrogen-bonded choline chloride-based deep eutectic solvents using density functional theory	Chemical Physics Letters
88.	Dr. M. Imran Arshad, Assistant Professor, Institute of Microbiology, UAF	COVID-19 and comorbidities of hepatic diseases in a global perspective	World Journal of Gastroenterology
89.	Dr. M. Asim Shabbir, Associate Professor, Corresponding Author, National Institute of Food Science & Technology, UAF.	Effect of polymer and polymer blends on encapsulation efficiency of spray-dried microencapsulated flaxseed oil	International Food Research Journal
90.	Dr. Aysha Sameen, Associate Professor, Corresponding Author, National Inst. of Food Science and Technology (NIFSAT), UAF	Lotus seeds (<i>Nelumbinis semen</i>) as an emerging therapeutic seed: A comprehensive review	Food Science & Nutrition
91.	Dr. M. Asim Shabbir, Associate Professor, National Institute of Food Science & Technology, UAF.	Interplay between ceramides and phytonutrients: New insights in metabolic syndrome	Trends In Food Science & Technology
92.	Dr. M. Inam –ur-Raheem, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Enhancing the shelf stability of fresh-cut potatoes via chemical and nonthermal treatments	Journal of Food Processing and Preservation
93.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Recent advances in plasma technology: Influence of atmospheric cold plasma on spore inactivation	Food Reviews International
94.	Dr. Rana Muhammad Adil, Assistant Professor, National Inst. of Food Science and Technology (NIFSAT), UAF	Pulsed electric field: A potential alternative towards a sustainable food processing	Trends In Food Science & Technology
95.	Mr. M. Waseem, Student, Reg. No. 2010-ag-3612, Institute of Horticultural Sciences, UAF	Antioxidant activity, sugar quantification, and phytochemical and physical profiling of apricot varieties of Chitral and Gilgit - Pakistan	Pakistan Journal of Botany
96.	Dr. Abdul Wakeel, Associate Professor, Corresponding Author, Institute of Soil and Environmental Sciences, UAF.	Efficacy of fertilizing method for different potash sources in cotton (<i>Gossypium hirsutum</i> L.) nutrition under arid climatic conditions	Plos One

SN	Name / Designation / Department / Institute	Title of the Research Paper	Name of Journal
97.	Dr. M. Asim Shabbir, Associate Professor, National Institute of Food Science & Technology, UAF.	Effect of non-thermal processing techniques on pathogenic and spoilage microorganisms of milk and milk products	Food Science and Technology
98.	Mr. Zain Mushtaq, Student, 2011-ag-3318, Ph.D Scholar, Institute of Soil and Environmental Sciences, UAF	The Interactive approach of rhizobacteria and tryptophan on growth, physiology, tuber characteristics, and iron concentration of potato (<i>Solanum tuberosum</i> L.)	Journal of Plant Growth Regulation
99.	Mr. Arslan Ahmad, Student, 2011-ag-2337, Institute of Horticultural Sciences, UAF.	Efficient utilization of date palm waste for the bioethanol production through <i>Saccharomyces cerevisiae</i> strain	Food Science & Nutrition
100.	Ms. Mahwish Safdar, Student, 2016-ag-1433, Department of Botany, UAF	Microbial biofilm inhibition, antioxidants, and chemical fingerprints of Afghani pomegranate peel extract documented by gas chromatography–mass spectrometry and Fourier transformation infrared	Journal of Food Processing and Preservation
101.	Ms. Ayesha Syed, Student, 2015-ag-363, National institute of Food Science and Technology, UAF	Stabilization and attributive amelioration of sugarcane juice by naturally derived preservatives using aonla and moringa extract	Food Science & Nutrition
102.	Ms. Sabahat Siddique, Student, 2018-ag-3893, Department of Chemistry, UAF	Fabrication and characterization of PVC based flexible nanocomposites for the shielding against EMI, NIR, and thermal imaging signals	Results in Physics



RESEARCH JOURNALS & RESEARCH PUBLICATION

SN	Journal Name	Impact Factor (WOS – JCR- 2020)	Issue No.	Publisher Name
1.	Pakistan Veterinary Journal (PVJ)	1.318	ISSN 0253-8318 (PRINT), ISSN 2074-7764 (ONLINE)	Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan
2.	Pakistan Journal of Agricultural Sciences	0.748	ISSN 0552-9034 (PRINT), ISSN 2076-0906 (ONLINE)	University of Agriculture, Faisalabad, Pakistan
3.	International Journal of Agriculture and Biology (IJAB)	-	ISSN Print: 1560–8530; ISSN Online: 1814–9596	Friends Science Publishers
4.	Pakistan Journal of Phytopathology	-	ISSN NO. 1019-763X (Print) Online: 2305-0284	Pakistan Phytopathological Society



SUMMARY OF PUBLICATIONS UAF 2020-21

Faculty/department/ Institute	With Impact Factor	Without Impact Factor	Book/ Book Ch./ Manual	News/ Popular/ Extension Articles	Total
Faculty of Agriculture					
Department of Entomology	80	11	-	05	96
Department of Plant Pathology	67	20	03	-	90
Department of Agronomy	16	29	02	-	
Department of Forestry, Wild life and Range Management	20	04	01	-	25
Department of Plant breeding and Genetics	40	02	13	-	55
Institute of Soil & Environmental Sciences	234	12	36	-	282
Institute of Horticultural Sciences	87	16	02	36	141
Total	544	94	57	41	689
Faculty of Veterinary Science					
Department of Pathology	37	07	-	15	59
Department of Parasitology	25	02	04	10	41
Department of Anatomy	08	03	-	-	09
Department of Clinical Medicine and Surgery	17	03	-	01	21
Department of Theriogenology	07	-	01	-	08
Department of Pharmacy	27	-	01	03	31
Inst. of Physiology and Pharmacology	21	01	01	-	23
Institute of Microbiology	33	08	06	2	49
Total	175	24	13	31	241
Faculty of Agricultural Engineering and Technology					
Department of Structures and Environmental Eng.	17	08	02	-	27
Department of Farm Machinery and Power	21	01	-	-	22
Department of Irrigation and Drainage	18	03	01	02	24
Department of Fiber and Textile Engineering	03	01	-	03	07
Department of Food Engineering	06	-	-	-	06
Department of Energy System Engineering	07	-	-	-	07
Total	72	13	03	05	93

Faculty/department/ Institute	With Impact Factor	Without Impact Factor	Book/ Book Ch./ Manual	News/ Popular/ Extension Articles	Total
Faculty of Social Sciences					
Institute of Agri. Extension & Rural Development	09	10	-	04	23
Institute of Business Management Sciences	12	14	01	-	27
Institute of Agricultural and Resource Economics	33	16	10	-	59
Department of Continuing Education	10	-	-	01	11
Department of Rural Sociology	01	15	-	03	19
Total	65	55	11	08	139
Faculty of Sciences					
Department of Biochemistry	69	05	03	-	77
Department of Chemistry	28	159	41	-	228
Department of Zoology & Fisheries	21	06	-	-	27
Department of Botany	53	01	02	-	56
Department of Physics	84	-	06	-	90
Department of Mathematics & Statistics	05	11	-	-	16
Department of Computer Science	08	02	01	-	11
Department of Humanities and linguistics	-	10	-	-	10
Total	268	200	53	-	515
Faculty of Animal Husbandry					
Institute of Animal & Dairy Sciences	18	-	-	-	18
Total	18	-	-	-	18
Faculty of Food Nutrition and Home Science					
National Institute of Food Science and Technology (NIFSAT)	94	05	05	01	105
Institute of Home Science	03	01	-	-	04
Total	97	06	05	01	109
CABB	71	09	34	-	114
Sub Campus Burewala	36	19	03	02	60
Sub Campus Toba Tek Singh	03	08	-	04	15
Sub Campus Depalpur Okara	34	-	-	05	39
UAF Com. College, PARS	58	-	-	01	59
USPAKCAS-AFS	21	-	09	12	42
GRAND TOTAL	1462	428	188	110	2133

SN	Journal Name	Impact Factor (WOS – JCR- 2019)	Issue No.	Publisher Name
5.	Soil and Environment	-	2074-9546(Print), 2075-1141 (Online)	Soil Science Society of Pakistan (SSSP)
6	Pakistan Entomologist	-	ISSN NO. 1017-1827 (Print) Online: 2521-5922	Pakistan Entomologist Society
7	Journal of Agricultural Policy and Food Security (APFS)	-	In-Process	

Summary of Faculty/Campus Wise Cases Forwarded to HEC for Approval as Approved Supervisors during 2020-21

Cases for approval of HEC Approved Supervisors		2020-21
SN	Name of Faculty	No. of Cases
1	Faculty of Agriculture	25
2	Faculty of Agricultural Engineering and Technology	9
3	Faculty of Social Sciences	2
4	Faculty of Veterinary Science	3
5	Faculty of Animal Husbandry	0
6	Faculty of Food, Nutrition & Home Sciences	3
7	Faculty of Sciences	16
8	Others	1
9	Sub-Campus Burewala-Vehari	2
10	Sub-Campus Depalpur-Okara	0
11	Sub-Campus Toba Tek Singh	3
Total		64

Detail of Cases Forwarded to HEC for approval as Approved Supervisors during 2020-21

SN	Name	Designation	Department/ Institute	Faculty	Date Of Submission
1	Dr. Shamsa Bibi	Assistant Professor	Chemistry	Sciences	21-08-20
2	Dr. Shafiq Ur Rehman	Assistant Professor	Chemistry	Sciences	21-08-20
3	Dr. Ahmed Mateen	Lecturer	Computer Science	Sciences	17-09-20
4	Dr. Abdus Samie	Lecturer	Agri. & Resource Economics	Social Sciences	28-09-20
5	Dr. Salman Latif Butt	Lecturer	UAF Sub-campus Toba Tek Singh	Sub Campus Toba Tek Singh	06-10-20
6	Dr. M. Imran Khan	Assistant Professor	Soil and Environmental Sciences	Agriculture	04-11-20
7	Dr. M. Aamir	Lecturer	NIFSAT	Food, Nutrition & Home Sciences	27-11-20
8	Dr. M. Inam-ur-Raheem	Assistant Professor	NIFSAT	Food, Nutrition & Home Sciences	03-12-20
9	Dr. M. Kashif	Lecturer	Mathematics and Statistics	Sciences	16-12-20
10	Dr. M. Yamin	Lecturer	Farm Machinery & Power	Agricultural Engineering and Technology	21-12-20
11	Dr. Umer Farooq	Assistant Professor	Sub-Campus Toba Tek Singh	Sub Campus Toba Tek Singh	18-12-20
12	Dr. Imran ul Haq	Associate Professor	Plant Pathology	Agriculture	22-12-20
13	Dr. Rana Mazhar Abbas	Assistant Professor	Horticultural Sciences	Agriculture	31-12-20
14	Dr. M. Waqar Akram	Lecturer	Farm Machinery & Power	Agricultural Engineering and Technology	15-01-21
15	Dr. M. Arshad	Associate Professor	Entomology	Agriculture	28-01-21
16	Dr. Zain Ul Abdin	Associate Professor	Entomology	Agriculture	28-01-21
17	Dr. Siddra Ijaz	Assistant Professor	CABB	Agriculture	20-01-21
18	Dr. Hassan Munir	Associate Professor	Agronomy	Agriculture	20-01-21

SN	Name	Designation	Department/ Institute	Faculty	Date Of Submission
19	Dr. Haroon Rashid	Lecturer	Structure and Environment Engineering	Agricultural Engineering and Technology	29-01-21
20	Dr. Shahid Majeed	Assistant Professor	Entomology	Agriculture	29-01-21
21	Dr. M. Dildar Gogi	Associate Professor	Entomology	Agriculture	10-12-20
22	Dr. Bushra Akhtar	Lecturer	Physiology & Pharmacology	Veterinary Science	03-02-21
23	Dr. M. Sufian	Assistant Professor	Entomology	Agriculture	05-02-21
24	Dr. M. Azam Zia	Lecturer	Computer Science	Sciences	19-02-21
25	Dr. Ayaz Farzand	Lecturer	Sub-Campus Burewala Vehari	Sub Campus Burewala Vehari	19-02-21
26	Dr. Mashkooor Mohsin Gilani	Assistant Professor	Microbiology	Veterinary Science	01-03-21
27	Dr. Sadaf Shakoor	Lecturer	Sub Campus Burewala Vehari	Sub Campus Burewala Vehari	22-02-21
28	Dr. Luqman Amrao	Assistant Professor	Plant Pathology	Agriculture	05-03-21
29	Dr. M. Kasib Khan	Assistant Professor	Parasitology	Veterinary Science	19-02-21
30	Dr. Abid Sarwar	Lecturer	Irrigation and Drainage	Agricultural Engineering and Technology	16-03-21
31	Dr. Javaria Nasir	Lecturer	Agricultural and Resource Economics	Social Sciences	16-03-21
32	Dr. M. Adnan Shahid	Associate Professor	Irrigation and Drainage	Agricultural Engineering and Technology	24-03-21
33	Dr. Shakeela Parveen	Lecturer	Zoology, Wildlife & Fisheries	Sciences	31-03-21
34	Dr. Khalid Abbas	Associate Professor	Zoology, Wildlife & Fisheries	Sciences	31-03-21
35	Dr. Abdul Mateen	Assistant Professor	Zoology, Wildlife & Fisheries	Sciences	31-03-21
36	Dr. Sajid Abdullah	Assistant Professor	Zoology, Wildlife & Fisheries	Sciences	31-03-21
37	Dr. Junaid nawaz Chauhdary	Research Officer	Water Management Research Center	Agricultural Engineering and Technology	30-03-21

SN	Name	Designation	Department/ Institute	Faculty	Date Of Submission
38	Dr. Hafiz Masood Qasim	Lecturer	Islamic Studies	Sciences	19-04-21
39	Dr. Asim Aqeel	Assistant Professor	Humanities & Linguistics	Sciences	19-04-21
40	Dr. Abdul Rehman	Associate Professor	Plant Pathology	Agriculture	30-04-21
41	Dr. Safdar Ali	Assistant Professor	Plant Pathology	Agriculture	19-05-21
42	Dr. Hafiz Muhammad Asif Javed	Assistant Professor	Physics	Sciences	07-06-21
43	Dr. Hassan Tariq	Lecturer	Computer Science	Sciences	07-06-21
44	Dr. Ghulam Murtaza	professor	Soil & Environmental Sciences	Agriculture	25-05-21
45	Dr. Mian Kamran Sharif	Associate Professor	National Food Science and Technology	Food, Nutrition & Home Sciences	14-06-21
46	Dr. Shazia Shukrullah	Lecturer	Physics	Sciences	21-06-21
47	Dr. M. Muzammil Jahangir	Assistant Professor	Horticultural Sciences	Agriculture	21-06-21
48	Dr. M. Saqib	Associate Professor	Soil & Environmental Sciences	Agriculture	16-06-21
49	Dr. M. Yasin Naz	Lecturer	Physics	Sciences	21-06-21
50	Dr. Adnan Khan Niazi	Assistant Professor	CABB	Agriculture	21-06-21
51	Dr. Ahsan Akram	Assistant Professor	Horticultural Sciences	Agriculture	23-06-21
52	Dr. Amer Habib	Assistant Professor	Plant Pathology	Agriculture	28-06-21

Research Publications of UAF 2020

Department /Institute	2020
Centre of Agricultural Biochemistry & Biotechnology (CABB)	17
Agronomy	140
Anatomy	7
Biochemistry	65
Botany	48
Chemistry	195

Department /Institute	2020
Clinical Medicine & Surgery	7
Computer Science	10
Continuing Education	5
Energy System Engineering	8
Entomology	62
Farm Machinery & Power	12
Fibre and Textile Technology	3
Food Engineering	3
Forestry and Range Management	15
Irrigation & Drainage	26
Islamic Studies	0
Mathematics and Statistics	19
Parasitology	15
Pathology	13
Physics	77
Plant Breeding & Genetics	27
Plant Pathology	33
Rural Sociology	5
Structures & Environmental Engineering	12
Theriogenology	3
Zoology, Wildlife and Fisheries	32
Agricultural and Resource Economics	31
Agricultural Extension and Rural Development	2
Animal and Dairy Sciences	35
IBMS	10
Home Sciences	1
Horticultural Sciences	69
Microbiology	32
Institute of Physiology and Pharmacology	45
Soil & Environmental Sciences	152
NIFSAT	97
Punjab Bio-Energy Institute	1
Sub-Campus Burewala-Vehari	11
UAF Community College	0
UAF Sub- Campus, Depalpur	5
UAF Sub-Campus, Toba Tek Singh	2
WMRC	2
CAS-AFS	8
Others UAF	12

LIST OF SEMINAR/WEBINARS ORGANIZED/ATTENDED BY ORIC DURING 2020-21

SN	Training Program	Organizer	Date
1.	International Seminar/Interactive session on "Opportunities and challenges in milk and meat sector	Faculty of Animal Husbandry	September 01, 2020
2.	ORIC organized online orientation session for the researchers at UAF sub campuses	ORIC	November 24, 2020
3.	One day workshop "Khudi" women entrepreneur capacity workshop, University of Agriculture, Faisalabad	ORIC and BIC	December 09-10,2020
4.	An introduction to Biorisk management system	ORIC and Health Security Partner USA	February 22, 2021
5.	Constitution/composition of an IBC (members including subject matter experts) it's reporting and meeting frequency	ORIC and Health Security Partner USA	March 01, 2021
6.	Constitution/composition of an IBC (members including subject matter experts) it's reporting and meeting frequency	ORIC and Health Security Partner USA	March 01, 2021
7.	IBC Operation: A case study (Review and Approval Procedure)	ORIC and Health Security Partner USA	March 05, 2021
8.	Dual Use Research concern (DURC)	ORIC and Health Security Partner USA	March 08, 2021
9.	Biosecurity and its Components	ORIC and Health Security Partner USA	March 12, 2021
10.	Comparison of IBC with other committees such as IACUC, IRE (DURC), Ethical Review Committee, IRB etc. and Role of a Biosafety Officer in an IBC and organization	ORIC and Health Security Partner USA	March 15, 2021
11.	Introduction to GHSA Objectives Introduction to Biosafety & Biosecurity	Series of Webinar Organized by PARC and Health Security Partner USA	March 15, 2021
12.	Biorisk assessment	Series of Webinar Organized by PARC and Health Security Partner USA	March 16, 2021
13.	Biosafety levels / Containment facilities	Series of Webinar Organized by PARC and Health Security Partner USA	March 17, 2021
14.	Animal biosafety levels (vivarium)	Series of Webinar Organized by PARC and Health Security Partner USA	March 22, 2021

SN	Training Program	Organizer	Date of commencement/period
15.	Laboratory practices	Series of Webinar Organized by PARC and Health Security Partner USA	March 23, 2021
16.	Selection of PPEs	Series of Webinar Organized by PARC and Health Security Partner USA	March 24, 2021
17.	Biological waste management	Series of Webinar Organized by PARC and Health Security Partner USA	March 29, 2021
18.	Emergency planning	Series of Webinar Organized by PARC and Health Security Partner USA	March 30, 2021
19.	Shipping of infectious substances	Series of Webinar Organized by PARC and Health Security Partner USA	March 31, 2021
20.	Safe use of BSCs	Series of Webinar Organized by PARC and Health Security Partner USA	April 05, 2021
21.	Biosecurity	Series of Webinar Organized by PARC and Health Security Partner USA	April 06, 2021
22.	Institutional biosafety committees, biosafety officers	Series of Webinar Organized by PARC and Health Security Partner USA	April 07, 2021
23.	Dual use Research of Concern	Series of Webinar Organized by PARC and Health Security Partner USA	June 01, 2021
24.	Project feasibility document (PC-II); Preparation of Project Document (PC-I) Annual Targets and Progress Reporting (PC-III); Project Completion Report (PC-IV); Annual Performance Report After Completion of Project (PC-V)	Five days Online Workshop on Project Appraisal, Monitoring and Evaluation Project Documents	June 04, 2021
25.	Discount Factor (DF); Net Present Worth (NPW), Internet Rate of Return (IRR)	Economic Analysis of Project	June 05, 2021

SN	Training Program	Organizer	Date of commencement/ period
26.	Benefit-Cost Ratio; Net benefit investment ratio Sensitivity Analysis/ Risk Management	Economic Analysis of Project	June 06, 2021
27.	Monitoring-Introduction and Concepts Monitoring-Data collection and quality assessment	Project Monitoring	June 12, 2021
28.	Evaluation-SOW Evaluation Management	Project Evaluation	June 13, 2021
29.	International Webinar on Greenhouse Horticulture: Current Status and Future Prospects	Department of Horticulture, MNS University of Agriculture Multan	June 29, 2021
30.	Training the trainers Entrepreneur Support Online Webinar	Organization (ESO)	June 29, 2020





OPERATION OF ORIC

ORIC Steering Committee

In compliance of Higher Education Commission (HEC) Islamabad letter No. 15-54/Coord/2019/HEC/(R&D)/2021, dated March 11, 2021 and after approval of the Vice Chancellor for implementing the Revised ORIC Policy 2021 (in anticipation of approval of the Syndicate) vide No.A-3/272/6951-7040, dated 19-04-2021, the subject policy is in place at UAF.

Terms of References (ToRs):

Members of ORIC-SC are appointed on the basis of their expertise in dealing with roles and responsibilities associated with the better performance of ORIC. All members have to sign Conflict of Interest statements. ORIC-Steering Committee (SC) shall:

- i. Devise and approve the 5-year strategic plan for the ORIC and ensure its proper compliance.
- ii. Review and approve the recommendations for implementation of initiatives for better achievement of ORIC objectives from ORIC leadership.
- iii. Review periodic monitoring reports on the basis of KPIs and advise the ORIC leadership accordingly.
- iv. Provide policy guidance to ORIC leadership.-
- v. Ensure that ORICs activities and initiatives are coordinated with other relevant stakeholders, inside or outside the HEI.
- vi. Bridge the gap between academia and industry and provide crucial advice on matters to promote university-industry linkages and commercialization.
- vii. Advise the VC on the research management challenges of the university
- viii. Undertake any other task relevant to the better functioning of the ORIC.

Establishment of Institutional Ethical Review Board (IRB)

In the line with the revised ORIC Policy 2021, the UAF has established Institutional Ethical Review Board (IRB) with the purpose to evaluate the research proposals prior to submission to the funding agency in the context of fulfilment of ethical parameters, research priorities of the funding agencies, sustainable development goals and national research priorities. In pursuance of HEC Notification No. 15-54/Coord/2019/HEC/(R&D)/2021, dated March 11, 2021 the Vice Chancellor (in anticipation of the approval of the Syndicate) has very kindly approved the implementation of Revised ORIC Policy 2021 at UAF in letter and spirit vide No.A-3/272/6950, dated 19-04-2021 and IRB is functional with the following composition:

At Level-I:

A Sub-Committee comprising of:

- Dean of Faculty or his/her representatives (at least three members) may scrutinize the proposals through prescribed proforma by recording the comments for allowing or disallowing the submission.
- The filled proforma (for recommended and rejected proposals) signed by the Dean of the respective faculty will be submitted at ORIC.

At Level-II:

A Committee comprising of:

- Director ORIC (Convener)
- Manager Research Management (Member)
- Manager Monitoring and Evaluation (Member)
- Accounts Officer ORIC (Member)

Terms of Reference (ToRs):

1. The committee (at Level-II) will reconcile the proposals as per guidelines and checklists of the funding agencies and make rationalized budget.
2. This committee will endorse the proposals on behalf of Intuitional Ethical Review Board (IRB).
3. The data of recommended and rejected proposals will be maintained at ORIC

Functions of IRB

Under IRB, a committee with the following composition evaluated the research proposals (No.1212) on January 21-22 and January 25, 2021 prior to submission to Punjab Agricultural Research Board (PARB)

Convener of Committee	Prof. Dr. Zahir Ahmad Zahir, Director ORIC
Faculty of Agriculture	Prof. Dr. M. Jafar Jaskani, Horticulture Prof. Dr. Waseem Akram, Entomology Dr. Hafiz Naeem Asghar, Soil & Environmental Sci. Dr. Farrakh Saleem, Agronomy Dr. Ghulam Mustafa, CABB
Faculty of Social Sciences	Dr. Khalid Mushtaq, Agri. & Res. Eco.
Faculty of Sciences	Dr. Asif Hanif, Chemistry
Faculty of Agri. Engg. & Technology	Dr. Anjum Munir, Energy System Engg. Dr. Abdul Ghafoor, Farm Mach. & Power
Faculty of Food Nutrition & Home Science	Dr. Imran Pasha
Faculty of Veterinary Sciences	Dr. Rao Zahid Abbas, Parasitology Dr. Kashif Saleemi, Pathology Dr. Imran Arshad, Microbiology
Faculty of Animal Husbandry	Prof. Dr. Riaz Virk, Livestock Management Dr. Muhammad Sharif, Animal Nutrition
ORIC	Dr. Abdul Rashid, Manager Research Operation and Development Dr. Abdul Naveed, Publication and Communication Specialist Dr. Khuram Zia, Manager Academia Industry Linkages Mr. Imran Munawar, Incharge BIC

The summary of evaluated proposals is below:

SN	Name of Institute/University	No. of proposals evaluated
1.	National Agricultural Research Council (NARC)	02
2.	Pakistan Atomic Energy Commission (PAEC)	61
3.	Punjab Forestry Research Institute (PFRI)	09
4.	Pir Mahr Ali Shah Arid Agriculture University (PMAS-AAU)	76
5.	University of Agriculture, Faisalabad (UAF)	470
6.	University of Engineering & Information Technology (UEIT)	02
7.	University of Engineering Technology (JET)	01
8.	University of Gujrat (UOG)	04
9.	University of the Punjab (UOP)	13
10.	University of Sargodha (UOS)	11
11.	University of Veterinary and Animal Sciences (UVAS)	232
12.	Virtual University (VU)	04
13.	Directorate of Water Management (DWM)	01
14.	Ayub Agricultural Research Institute (AARI)	69
15.	Bahauddin Zakirya University (BZU)	36
16.	Central Cotton Research Institute (CCRI)	05
17.	Cholistan University of Veterinary and Animal Sciences (CUVAS)	40
18.	Director General Agriculture Field (DGA-Field)	13
19.	Forman Christian College (FCCU)	03
20.	Govt. College University Faisalabad	11
21.	Govt. College University Lahore	06
22.	Govt. College Women University	20
23.	Government Sadiq College Women University GSCWU	01
24.	Islamia University Bhawalpur (IUB)	26
25.	Khawaja Farid University of Engineering Technology	02
26.	Livestock and Dairy Development Department (L&DDD)	10
27.	Laurence College Women University (LCWU)	04
28.	Muhammad Nawaz Sharif University of Agriculture (MNSUA)	80
Total		1212

- B. IRB also evaluated the research proposals prior to submission to HEC under NRPU program and summary of the proposals evaluated is as under:

SN	Faculty	Proposal
1.	Faculty of Agriculture	26
2.	Faculty of Veterinary Science	10
3.	Faculty of Sciences	06
4.	Faculty of Agri. Engg. & Technology	09
5.	Faculty of Food Nutrition & Home Sciences	03
6.	Faculty of Social Sciences	05
7.	Faculty of Animal Husbandry	02
8.	UAF Sub Campus Burewala	01
9.	UAF Sub Campus T.T. Singh	01
10.	UAF Community College	01
Total		64

The committee, after three days evaluation process, recommended/shortlisted 300 proposals for the consideration of Executive Committee, PARB.

ORIC News

During the year 2020-21 ORIC News was regularly published on fortnightly basis comprising of news with funding opportunities, research collaboration, scholarships, fellowships, student assistantships and travel grant opportunities for the faculty and students alongwith upcoming events and incentives for the faculty. E-copies of ORIC News are circulated through emails to each and every faculty members of the university, donor agencies, HEC Pakistan, HEC Punjab, PSF, PARC and PARB with latest updates of the happenings. ORIC published UAF Commercialization Policy and Technology develop by UAF and already to be commercialized.



ORIC News volume 109 was published with more than 15 funding opportunities, series of webinars on biosecurity and IBC and other important news.



To streamline the commercialization process under the framework of the university, ORIC devised and got approved UAF Commercialization and Consultancy Policy. The subject document is helping the scientist the rules and regulations, SOPs and policy framework to market their impactful research for the benefit of end user by generating revenue for the university.



The ORIC published a planner/calendar for the year 2021 comprising of university photographs and highlights of ORIC activities along with introduction of globally recognized Institute of higher learning i.e. University of Agriculture, Faisalabad.



QUALITY ENHANCEMENT CELL

University of Agriculture, Faisalabad has managed to have remarkable achievements at national & international level and the establishment of QEC under the guidelines of HEC is one of them. The QEC-UAF was established in 2005. The standard of education in Pakistan is not up to the mark of international standards, as our degree is either not accepted or rarely recognized as compared to other countries degree. To fill this gap and to enhance the overall quality of our education system, HEC has set up Quality assurance agency. University of Agriculture, Faisalabad contributes towards overall improvement of education system in the country. The QEC-UAF is involved in surveys related to students, staff and different departments, capacity building of faculty and staff and the facilitating the Self-Assessment Process.

Vision

To help UAF in achieve the status of world class renowned institution for teaching, research & development and innovation to contribute effectively in building-up the required indigenous agriculture sector and allied sciences to achieve sustainable rapid socio-economic development.

Mission

The mission of the Quality Enhancement Cell, UAF is to improve the standard of education in the areas of agriculture, veterinary sciences, agricultural engineering along with allied fields and to integrate the concept of quality assurance in UAF with enhanced levels of international compatibility through capacity building. QEC also aims to elevate the UAF as top class University of the world on the basis of academic, research and institutional excellence to provide prominent faculty, curricula, extra-curriculum & supporting facilities and high-level learning & research environment in the light of global developments and modern age requirements.

Objectives

- Enhance the capacity building and standards of quality education in UAF
- Build the capacity of UAF to meet the rising global challenges and improve levels of international compatibility and competitiveness of UAF graduates through a systematic capacity building program
- Analyze and review the quality standards by auditing academic standards and quality of teaching, learning and management in each subject area
- Provide guidance in the development and implementation of internal and external quality assurance procedures and practices
- Ensure that quality of academic programs at UAF to meet the standards expected by all stakeholders
- Ensure that graduates have attained skills and knowledge through academic programs that is valued by stakeholders
- Facilitate development of a culture of continuous quality improvement to achieve academic excellence and ethical values
- Organize training, workshops / seminars for faculty on the subject of quality in higher learning and to implement and disseminate that acquired knowledge into learning environment of the institution.
- Ensure quality education at the UAF under the umbrella of Quality Assurance Agency, Higher Education Commission.
- Promote public confidence in the quality education / research being carried out at UAF
- Conduct students awareness seminars / workshops at UAF

Overall Impact of Establishment of QEC at University Level

- Dash Board of the University
- Helpful for University Ranking
- Improvement in Quality of Research
- Enhanced Quality Publications
- Line of Distinction between performers & non-performers
- Discourage plagiarized data documentation
- Helpful to incentivize best performers
- Meet HEC criteria of performance indicators
- Provision of Quality in Education

Membership of Associations/Networks

The University of Agriculture, Faisalabad always strives hard to build the capacity of its faculty in teaching and research to cater the national needs. Quality Assurance Agency, HEC demands from us improved quality education and get national & international memberships for the connectivity with other Quality Assurance Agencies. In this regard, QEC, UAF has got membership of three international organizations:

- Tallories International Network
- Association of Quality Assurance Agencies of the Islamic World
- Membership of Society of Quality Assurance, Promoting Quality in the Regulated Research Community

Accreditation of Programs from Relevant Councils

QEC-UAF facilities other evaluating agencies coming to UAF for degree accreditation or for ranking purpose. In this regards, Accreditation Inspection Committee (AIC) was facilitated at UAF and AIC has completed the evaluation process of the following disciplines containing SWOT analysis by AICs of NAEAC-HEC:

- | | |
|--|---------------------------------------|
| i) Soil & Environmental Sciences | ii) Horticultural Sciences |
| iii) Agronomy | iv) Entomology |
| v) Agricultural Economics | vi) Plant Breeding & Genetics |
| vii) Forestry, Range Management & Wildlife | viii) Food Science & Technology |
| ix) Plant Pathology | x) Agricultural Education & Extension |
| xi) Livestock Management | xii) CABB |
| xiii) Agri. Business & Marketing | |

Events Organized/Arranged/Attended by QEC-UAF during 2020-21

4 th International Conference on Quality Assurance of Islamic Higher Education "Quality Assurance for Higher Education in the Islamic World: Learning from the Past and Meeting the Future Challenges"	As Director QEC attend the International Conference on Quality Assurance	Jakarta
HEC-UAF interactive workshop on issues and challenges of quality enhancement in universities of Pakistan	As Director QEC delivered lecturer on "How to avoid plagiarism and Hands on Training on Turnitin"	UAF

Review Visits of Recognized Campuses by HEC, Islamabad at Sub campus Buraywala	HEC team has conducted the review visit to ensure the quality of sub campuses as per HEC policies	Sub campus Buraywala
Review Visits of Recognized Campuses by HEC, Islamabad at Sub campus Okara, Depalpur	HEC team has conducted the review visit to ensure the quality of sub campuses as per HEC policies	Sub campus Okara Depalpur
Training Session on "How to Use Online Teacher & Course Evaluation Program"	As Director QEC trained to faculty members that "How to use Online Teacher & Course Evaluation System"	Sub campus Okara Depalpur
Workshop on "Use of Turnitin for checking similarity index and Plagiarism"	As Director QEC delivered lecturer on "Turnitin for checking S.I" organized by Director Academics	UAF
Workshop on "Self-Assessment Report (SARs) & The Role of Students in Improving the Quality Education"	PT members/Students were given briefing to understand how to improve the quality education and standards along with criteria's of SARs	UAF
Workshop on "The Role of Students in Improving the Quality Education"	To create awareness among students, regarding the role of students in quality education	UAF
Self-Assessment Report (SARs)	Faculty members were given guidelines about standards along with criteria of SARs and also guided how to write a SAR for Accreditation Councils	UAF
1st International Conference on Climate Change & Biodiversity (IC3B-2017) held on 02-04 May, 2017 at The Islamia University of Bahawalpur, Pakistan	As Director QEC delivered lecturer on "How to Resolve the problems and maintain the Quality of Climate Change & Biodiversity"	Bahawalpur
External Evaluation and Accreditation of Agriculture Degree Programs	Evaluation/Accreditation of degree programmes of four disciplines i.e. NIFSAT, IARE, Agri. Extension & Dairy Science	UAF
Workshop/Training on "Self-Assessment Report (SARs)"	Faculty members were guided about standards along with criteria of SARs and also guided how write a SAR for Accreditation Councils	UAF
Training of Key University Incumbents of Quality Assurance & Governance, Organized by HEC, Islamabad	To create awareness among QEC staff members on Quality Assurance rules and good governance in their institutes.	UAF
Training on "Pre Visit Preparation of IPE, MS/M.Phil, & Ph.D. Program Review, Organized by QAA, HEC	To create the awareness to conduct Review visits in universities.	HEC

Anti-Plagiarism Campaign

QEC has started creating awareness about what is plagiarism and how to avoid plagiarism by holding seminars/workshops, articles, etc for students and faculty. QEC has also scrutinized synopsis/thesis of various degree programs and result is as following (2012-2021):

Year	Synopsis			Thesis		
	Checked	SI >19 (n)	%	Checked	SI >19 (n)	%
2012	928	119	12.80	928	47	5.06
2013	2253	142	6.50	1188	18	1.51
2014	2411	111	4.60	1489	24	1.94
2015	2745	97	3.75	1612	29	1.80
2016	3325	112	3.37	2120	39	1.84
2017	3521	133	3.78	2450	53	2.16
2018	3178	121	3.81	2768	69	2.49
2019	4039	107	2.65	3327	81	2.44
2020	3727	83	2.23	2541	77	3.03
2021	2345	21	0.90	1823	61	3.35
	28,472	1046	3.67	20,191	498	2.47

QEC facilitates the faculty in applying for travel grant by checking similarity index of their accepted paper

Year	Checked as per HEC Protocol
2014	54
2015	78
2016	113
2017	141
2018	103
2019	61
Total	550



DIRECTOR ACADEMICS & TEACHING RESOURCE CENTER

Title of Workshop/Training / Orientation/Event	Date	Number of Participants
One-day online workshop for TAs was organized on "Orientation of Teaching Assistants Appointed During Winter Semester 2020-2021" for their capacity building	03.11.2020	90



STAFF POSITION

Staff In Position (Financial Year 2019-20)

The University has, at present, a faculty of 617 teachers whose position is as under:-

Academic Staff by designation:

Academic Staff by designation:

Professor	39
Associate Professor	114
Assistant Professor	191
Lecturer	244
Research Officer	23
Web Developer	04
Network Admn.	02
TOTAL	617

Degree	Academic Staff by Qualification		Research Staff	
	Local	Foreign	Local	Foreign
Ph.D.	293	204	03	01
M.S./M.Phil.	74	03	06	-
M.Sc. (Hons.)/MA	67	02	04	
B.Sc./D.V.M.	17	00	02	
Total	451	209	15	01

Staff on contract basis

Ph.D.	00	00	03	
M.S./M.Phil.	04	01	03	
M.Sc. (Hons.)/M.A.	03	00	04	01
Total	07	01	10	01

Grand Total:- 695

FACULTY DEVELOPMENT

List of Lecturers Pursuing Ph.D. Abroad/Local 28

Pursuing abroad 23

Pursuing local 05

SN	Name of Teacher with Department	Scholarship	University/Country	Period
1.	Mr. Furqan Muhayodin, Lecturer, Department of Farm Machinery and Power	"DAAD/HEC-HRDI initiative-M.S. leading to Ph.D. program" of Faculty Development for UESTPs (Batch-II) Phase-I	Otto-vov-Guericke University Magdeburg, Germany	31.07.2013 todate
2.	Mr. Tanzeel-ur-Rehman, Lecturer, Department of Farm Machinery and Power	-	Purdue University, USA	07.09.2018 todate
3.	Mr. Abdul Wahaab, Lecturer, UAF Sub Campus, Toba Tek Singh		Graduate School of Chinese Academy for Agriculture Sciences	12.03.2017 todate
4.	Ms. Jawairia Umar Khan, Lecturer, Department of Fibre and Textile Technology	HRD Initiative-MS Leading to Ph.D. Program of Faculty Development for UESTPS, Phase-I	University of Wollongong, Australia	01.07.2017 todate
5.	Ms. Nida Ghorri, Lecturer, Department of Plant Breeding and Genetics	Fulbright Exchange Scholarship	Kansas State University, Manhattan, USA	05.08.2017 todate
6.	Mr. M. Imran, Lecturer, Department of Pathology	Chinese Scholarship Council	Huazhong Agriculture University, China	31.08.2017 todate
7.	Mr. Abdul Shabbir, Lecturer, Department of Irrigation and Drainage	China Scholarship Council (CSC)	Jiangsu University, Zhenjiang, China	11.09.2017 todate
8.	Mr. Qasir Abbas, Lecturer, Institute of Agricultural and Resource Economics	China Scholarship Council	Nanjing Agricultural University, China	08.09.2017 todate
9.	Mr. Nayyar Iqbal, Lecturer, Department of Computer Science	China Scholarship Council (CSC)	Chongqing University, China	18.09.2017 todate
10.	Mr. M. Salman Nasir, Lecturer, Department of Structures and Environmental Engineering	China Scholarship Council (CSC)	Xian Jiaotong University, China	25.09.2017 todate

SN	Name of Teacher with Department	Scholarship	University/Country	Period
11.	Ms. Iqra Ayub, Lecturer, Department of Energy System Engineering	HEC scholarship entitled "HRD Initiative MS leading to leading to Ph.D. Program of Faculty Development for UESTPs/ UETs, Phase-I (Batch-V)	Xian Jiaotong University, China	25.09.2017 to date
12.	Malik Zohaib Ali, Lecturer, Department of Anatomy	Fulbright Scholarship	Colorado State University, USA	01.01.2018 to date
13.	Mr. Azlan Zahid, Lecturer, Department of Farm Machinery & Power	Graduate Assistantship of the Pennsylvania State University	Pennsylvania State University, USA	24.01.2018 to date
14.	Mr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine and Surgery	Graduate School Chinese Academy of Agricultural Sciences (GSCAAS)	Chinese Academy of Agricultural Sciences	12.03.2018 to date
15.	Mr. Adnan Adeel, Lecturer, Institute of Business Management Sciences	China Scholarship Council (CSC)	Nanjing Agriculture University, China	19.09.2018 to date
16.	Mr. M. Noman Naseem, Lecturer, Department of Pathology	scholarship "Australian Research Training Program" offered by the Australian Government	University of Queensland, Australia	31.10.2018 (A.N) to date
17.	Mr. M. Shabbir Abbasi, Lecturer, Department of Computer Science	Victoria Doctoral Scholarship	Victoria University Wellington, New Zealand	19.10.2018 (A.N.) to date
18.	Syed Nabeel Husnain, Lecturer, Department of Energy System Engineering	HEC Overseas Scholarship (HRDI-UESTPS/UETs Project Batch-VI)	University of Kassel, Germany	05.10.2018 to date
19.	Mr. Kashif Mehmood, Lecturer, Department of Irrigation and Drainage	HEC Overseas Scholarship (HRDI-UESTPS/UETs Project Batch-VI)	University of Bonn, Germany	05.11.2018 to date
20.	Mr. M. Ali, Lecturer, Department of Farm Machinery & Power	HEC Scholarship under "HRDI Initiative M.S. leading to Ph.D. program of Faculty Development for UESTPS, Phase-I"	Ghent University, Belgium	29.01.2019 (A.N) to date
21.	Mr. Mohsin Noor, Lecturer, Department of Structures and Environmental Engineering	HEC scholarship titled "Ph.D. scholarship program, US-Pakistan Knowledge Corridor (Phase-I)"	Washington State University, USA	05.08.2019 (A.N.) to date
22.	Mr. Ghazanfar Abbas, Lecturer, Institute of Microbiology	-	University of Melbourne, Australia	23.08.2019 to date

SN	Name of Teacher with Department	Scholarship	University/Country	Period
23.	Rana Kashif Shakeel, Lecturer, Department of Humanities and Linguistics	Faculty Development (Indigenous) Program For Pakistani Universities Batch-II scholarship	Air University, Islamabad	04.09.2019 todate
24.	Ms. Sadia Nazir, Lecturer, UAF Sub-Campus, Burewala	Self finance	Government College University, Faisalabad	16.10.2017 todate
25.	Hafiz Masood Ahmad, Lecturer, Department of Forestry & Range Management	Self finance	Arid Agriculture University, Rawalpindi	15.10.2019 todate
26.	Ms. Yasmeen Bano, Lecturer, UAF Sub Campus, Burewala	HEC scholarship project Faculty Development Program for Pakistani Universities "Batch-II"	UAF	30.09.2019 todate
27.	Mr. M. Zeeshan Asaf, Lecturer, Department of Computer Science	Self finance	College of Electrical and Mechanical Engineering, NUST, Islamabad	08.03.2021 todate

Faculty development program Project title "Establishment of Sub-Campus of UAF Depalpur. Okara." For Ph.D. studies abroad

Returned = **00**
Present scholar = **02**

SN	Name	University Name Abroad	Date of departure
1.	Mr. Adnan Mukhtar	University of Hohenheim, Germany	28.09.15
2.	Miss Iqra Shagufta	University of North Taxes, USA	10.08.15

ADP Project titled "50 Overseas Ph.D. Scholarships for University of Agriculture, Faisalabad" for Ph.D. studies abroad

Returned = **07**

SN	Name	Date of completion
1.	Umara Sahar Rana	01.08.2020
2.	Yaqoob Majeed	01.12.2020
3.	M Usman Khan	18.11.2020
4.	Ms. Nayab Batool	15.03.2021
5.	Amen Shamim	15.03.2021
6.	M. Zia-Ul-Haq	31.08.2020
7.	Ms. Ramala Masood	01.09.2020

Present scholar**29**

SN	Name	University Name Abroad	Date of departure
1.	Waseem Abbas	University of Western Australia	16.10.2016
2.	M. Munem Khan	Georg-August- University Gottingen	24.09.2016
3.	Muhammad Shahzad	LA TRUBE University, Australia	19.05.2017
4.	Sabrina Gulab	Nebraska University, USA	08.08.2016
5.	Waseem Abbas	Nebraska University, USA	11.08.2016
6.	Umair Gull	University of California Davis	22.08.2016
7.	Alia Nasir	Washington State University	26.08.2016
8.	Shahbaz Ahmed	Washington State University, USA	31.08.2016
9.	Maliha Batool	Texas A & M University, USA	28.08.2016
10.	Jamshaid Ali Junaid	Texas A & M University, USA	09.12.2015
11.	Umar Farooq	Washington State University	25.12.2016
12.	Faisal Shahzad	University of Florida , USA	05.01.2017
13.	Shaista Karim	Colorado State University	11.02.2017
14.	M. Umer Ashraf	Sungkyunkwan University, Korea	26.02.2018
15.	Muqadas Aleem	Nanjing Agricultural University, China	27.01.2017
16.	M. Rafay Muzamil	University of Western Australia	11.09.2016
17.	Tayyaba Younas	Monash University, Australia.	28.10.2016
18.	Tmsal Murtaza	University of Western Australia	03.12.2016
19.	M Shoaib Khan	University of Western Australia	12.01.2017
20.	M Azam Khan	University of Western Australia	12.01.2017
21.	Umair Hassan Khan	University of Western Australia	03.07.2017
22.	Shamshad-ul-Hassan	University of Western Australia	03.07.2017
23.	M Sarmad Iftikhar	University of Queensland, Australia	04.07.2017
24.	Rabia Faridi	Georg-August- University Gottingen	01.10.2016
25.	Hasan Zulfiqar	Humboldt University, Berlin	14.10.2016
26.	Syed Mohsin Raza Naqvi	Humboldt University, Berlin	14.10.2016
27.	Faisal Ramzan	Georg-August- University Gottingen	14.10.2016
28.	ShamailArzo	Hohenheim University, Germany	15.02.2017
29.	Fatima Sarwar	Texas A & M University, USA	12.08.2016

List of Lecturers who Completed Ph.D. Degree during 2020-21

SN	Name/Designation/Department	Year of Ph.D.	Name of University/Country
1.	Dr. Muhammad Waqar Akram, Lecturer, Department of Farm Machinery and Power	2020	University of Science and Technology, China
2.	Dr. Sikandar Ali, Lecturer, Department of Irrigation and Drainage	2020	University of Agriculture, Faisalabad
3.	Dr. Ramala Masood Ahmad, Lecturer, Department of Plant Breeding & Genetics	2020	Nanjing Agricultural University, China
4.	Dr. Muhammad Zia-ul-Haq, Lecturer, Department of Agronomy	2020	Nanjing Agricultural University, China
5.	Dr. Yawar Abbas, Lecturer, Institute of Business Management Sciences	2020	University of Utra Malaysia
6.	Dr. Yaqoob Majeed, O/o Dean, Faculty of Agri. Engineering & Techonology	2020	Washington State University, USA
7.	Dr. Hassan Tariq, Lecturer, Department of Computer Science	2020	Victoria University of Wellington, New Zealand
8.	Dr. Mazhar Iqbal, Lecturer/Research Associate, UAF Sub Campus, Burewala	2020	University of Putra, Malaysia
9.	Mr. Muhammad Shahzad, Lecturer, Department of Energy System Engineering	2021	La Trobe University Melbourne, Australia
10.	Dr. Waseem Abbas, Lecturer, Department of Entomology	2021	University of Western, Australia
11.	Dr. Mudassar Iqbal, Lecturer, Department of Plant Pathology	2021	Swedish University of Agricultural Sciences (SLU), Sweden
12.	Dr. Iftikhar Ali, Lecturer, Department of Agronomy	2021	Nanjing Agricultural University, China
13.	Dr. Amen Shamim, Lecturer, Centre of Agricultural Biochemistry and Biotechnology (CABB)	2021	Sungkyunkwan University, South Korea
14.	Dr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine & Surgery	2021	Graduate School of Chinese Academy of Agricultural Sciences (China)
15.	Dr. Nayab Batool, Lecturer, Institute of Microbiology	2021	Sungkyunkwan University, South Korea
16.	Dr. Sidra Altaf, Lecturer, Department of Pharmacy	2021	University of Agriculture, Faisalabad
17.	Dr. Shanza Rauf Khan, Lecturer, Department of Chemistry	2021	University of Agriculture, Faisalabad
18.	Dr. Nadia Idrees, Lecturer, Department of Mathematics & Statistics	2021	University of the Punjab, Lahore

Staff Development (Lecturers) 2020-21

Degree	Foreign	Local	Total
Ph.D.	48	49	97
M.Phil.	02	60	62
M.Sc. (Hons)/M.A.	02	60	62
B.Sc./D.V.M.	00	13	13
Total	52	182	234

Contract

Degree	Foreign	Local	Total
M.Phil	01	04	05
M.Sc. (Hons)/M.A.	00	05	05
Total	01	09	10

Participation in International Training Course/Seminar/Conference/Workshop/Symposia/Exhibitions (Physically/Online) during 2020-21

SN	Name, designation & department/Institute	Foreign Training Program and Country	Date commencement/period
1.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	Seminar on Distribution and trade of Agricultural products for Belt and Road countries, Beijing, Peoples republic of China	11.05.2021 to 19.05.2021
2.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	Forth International Conference on Biosciences (ICBS-2021)	15.06.2021
3.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	Biochar as Carbon emissions negative technology and climate change, by USDA, USA.	19.11.2021
4.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	Agronomic and Economic Considerations for the Business Case of Adopting Soil Health Management Systems by USDA-NRCS	01.02.2021
5.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	4 th Jeddah International Conference on Multidisciplinary Issues/Saudi Arabia	22.02.2021 to 25.02.2021
6.	Dr. M. Usman Farid, Lecturer, Department of Structures and Environmental Engineering	The International Combustion Institute Summer School (ICISS) on Near-Wall Reactive Flows" (Paper Presentation) TU Darmstadt Germany	07.06.2021 to 10.06.2021

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
7.	Dr. Amer Rasul, Assistant Professor, Department of Entomology	Seminar On "Integrated Prevention and Control of Locusts and other Plant Diseases and Pests for Pakistan" Organized by National Agricultural Technology Extension and Service Center Beijing, People's Republic of China (Online)	13.03.2021 to 27.03.2021
8.	Dr. Amer Rasul, Assistant Professor, Department of Entomology	China-Pakistan Science Workshop, Use of new technology in locust control, organized by PASTIC Islamabad and Beijing Technology and Business University Beijing China (Online).	10.08.2020
9.	Dr. M. Farrakh Nawaz, Department of Forestry and Range Management	Pulses & Chickpeas – The Peoples Protein in Pakistan (Online)	10.10.2020
10	Dr. M. Farrakh Nawaz, Department of Forestry and Range Management	"Citrus Genetics- Seedlessness and Greening Disease" (Online)	17.10.2020
11.	Dr. M. Farrakh Nawaz, Department of Forestry and Range Management	"Strengthening Research Planning using Elsevier Tools-Scopus, Science Direct & Medeley (Online)	22.10.2020
12.	Dr. M. Farrakh Nawaz, Department of Forestry and Range Management	"How to design effective figures for review articles" (Online)	31.10.2020
13.	Dr. Irfan Ahmad, Assistant Professor, Department of Forestry and Range Management	IUFRO Small Scale Forestry Virtual Conference Germany	09.02.2021 to 11.02.2021
14.	Dr. Irfan Ahmad, Assistant Professor, Department of Forestry and Range Management	International Horticulture-e-Conference Institute of Horticultural Sciences	22.02.2021 to 23.02.2021
15.	Dr. Hammad Raza Ahmad, Assistant Professor, Institute of Soil and Environmental Sciences	Webinar: Measures of Soil Water recycling, Soil Science Society of America, USA	22.07.2020
16.	Dr. Hammad Raza Ahmad, Assistant Professor, Institute of Soil and Environmental Sciences	Webinar; Sulfur: Nutrient Cycling and Fertilization Management in row crop. American Society of Agronomy SSSA,USA.	19.02.2021`
17.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	Dissecting the scholarly publishing process. An overview and guidance on publishing (Online)	04.02.2021
18.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	International Webinar on Teacher's role in 21st Century learning Organized by Institute	08.06.2021

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
19.	Dr. Muhammad Imran Khan, Assistant Professor, Institute of Soil and Environmental Sciences	Characterization and Remediation of Per and Poly fluoroalkyl Substances (PFAS) and other Emerging Contaminants. Helmholtz Centre for Environmental Research GmbH – UFZ, Leipzig. Online/ Germany/Canada	10.05.2021 to 12.05.2021
20.	Dr. Muhammad Imran Khan, Assistant Professor, Institute of Soil and Environmental Sciences	World Microbe Forum, ASM and FEMS (Online Worldwide) 2021	20.06.2021 to 24.06.2021
21.	Dr. Nabeel Khan Niazi, Associate Professor, Institute of Soil and Environmental Sciences	Invited Keynote speaker at the International Webinar on: Environmental Protection and Restoration through developing Circular Lifestyle, World Environment Day, Ghazi University D.G. Khan	09.06.2021
22.	Dr. Nabeel Khan Niazi, Associate Professor, Institute of Soil and Environmental Sciences	Invited Keynote Speaker/Session Chair at the 8th International Congress and Exhibition on Arsenic in the Environment (As2021), Wageningen University, the Netherland.	07.06.2021 to 09.06.2021
23.	Dr. Irshad Bibi, Assistant Professor, Institute of Soil and Environmental Sciences	Oral Presentation/Session Chair at the 8th International Congress and Exhibition on Arsenic in the Environment (As2021), Wageningen University, the Netherland.	07.06.2021 to 09.06.2021
24.	Dr. Nabeel Khan Niazi, Associate Professor, Institute of Soil and Environmental Sciences	Oral Presentation/Virtual at the 20th International Conference on Heavy Metals in the Environment Korea	25.10.2020 to 29.10.2020
25.	Dr. Rizwan Aslam, Assistant Professor, Institute of Microbiology	Faculty training program for veterinary Education Establishments of Pakistan on how to Effectively Teach Newly Introduced Course "Biorisk Management" for DVM Degree Program Curricula	02.09.2020 to 04.09.2020
26.	Dr. Aamir Aslam, Assistant Professor, Institute of Microbiology	Faculty training program for veterinary Education Establishments of Pakistan on how to Effectively Teach Newly Introduced Course "Biorisk Management" for DVM Degree Program Curricula	02.09.2020 to 04.09.2020
27.	Prof. Dr. Farzana Rizvi, Department of Pathology	Diagnostic series: Diagnostic avian cases (Webinar)	11.12.2020
28.	Prof. Dr. M. Tariq Javed, Department of Pathology	Diagnostic series: Diagnostic avian cases (Webinar)	11.12.2020

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
29.	Dr. Shafia Tehseen Gul, Assistant Professor, Department of Pathology	Virtual Workshop: Sharing Pakistani Experiences in Developing and Implementing Good Clinical Practices for Human and Animal Health” by US The National Academic of Sciences, Engineering and medicine, USA	14.06.2021 to 18.06.2021
30.	Dr. Aisha Khatoon, Lecturer, Department of Pathology	Tripartite Webinar for World Rabies Day entitled “End Rabies: Collaborate, Vaccinate in the Asia Pacific Region” organized by OIE Regional Representation for Asia and the Pacific, FAO and WHO	28.09.2020
31.	Dr. Faqir Muhammad, Associate Professor, Institute of Physiology and Pharmacology	Speaker in International Conference on Farriery and Allied Veterinary Science (Turkey)	07.12.2020
32.	Dr. Faqir Muhammad, Associate Professor, Institute of Physiology and Pharmacology	Speaker in International Red Meat Seminar (Turkey)	08.05.2021
33.	Dr. Abdul Rashid, Associate Professor in ORIC	International Seminar/Interactive Session on “Opportunities and Challenges in Milk and Meat Sector” (China)	01.09.2020
34.	Dr. Abdul Rashid, Associate Professor in ORIC	Series of Webinar Organized by ORIC and Health Security Partner USA An introduction to Biorisk management System	22.02.2021
35.	Dr. Abdul Rashid, Associate Professor in ORIC	An introduction to IBC, its roles and responsibilities in the context of ISO 35001 in the arena of global IBCs	26.02.2021
36.	Dr. Abdul Rashid, Associate Professor in ORIC	Constitution/composition of an IBC (members including subject matter experts) it’s reporting and meeting frequency	01.03.2021
37.	Dr. Abdul Rashid, Associate Professor in ORIC	IBC Operation: A case study (Review and Approval Procedure)	05.03.2021
38.	Dr. Abdul Rashid, Associate Professor in ORIC	Dual Use Research concern (DURC)	08.03.2021
39.	Dr. Abdul Rashid, Associate Professor in ORIC	Biosecurity and its Components	12.03.2021
40.	Dr. Abdul Rashid, Associate Professor in ORIC	Series of Webinar Organized by ORIC and Health Security Partner USA Comparison of IBC with other committees such as IACUC, IRE (DURC), Ethical Review Committee, IRB etc. And Role of a Biosafety Officer in an IBVC and organization	15.03.2021

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
41.	Dr. Abdul Rashid, Associate Professor in ORIC	Series of Webinar organized by PARC and Health Security Partner USA Introduction to GHSA Objectives Introduction to Biosafety & Biosecurity	15.03.2021
42.	Dr. Abdul Rashid, Associate Professor in ORIC	Biorisk Assessment	16.03.2021
43.	Dr. Abdul Rashid, Associate Professor in ORIC	Biosafety levels/Containment facilities	17.03.2021
44.	Dr. Abdul Rashid, Associate Professor in ORIC	Animal Biosafety Levels (vivarium)	22.03.2021
45.	Dr. Abdul Rashid, Associate Professor in ORIC	Laboratory Practices	23.03.2021
46.	Dr. Abdul Rashid, Associate Professor in ORIC	Selection of PPEs	24.03.2021
47.	Dr. Abdul Rashid, Associate Professor in ORIC	Biological Waste Management	29.03.2021
48.	Dr. Abdul Rashid, Associate Professor in ORIC	Emergency Planning	30.03.2021
49.	Dr. Abdul Rashid, Associate Professor in ORIC	Shipping of Infectious Substances	31.03.2021
50.	Dr. Abdul Rashid, Associate Professor in ORIC	Safe Use of BSCs	05.04.2021
51.	Dr. Abdul Rashid, Associate Professor in ORIC	Biosecurity	06.04.2021
52.	Dr. Abdul Rashid, Associate Professor in ORIC	Institutional Biosafety Committees, Biosafety Officers	07.04.2021
53.	Dr. Abdul Rashid, Associate Professor in ORIC	Dual Use Research of Concern	01.06.2021
54.	Dr. Abdul Rashid, Associate Professor in ORIC	Series of International Webinar on "Issues related to rural Economy (A framework for the analysis of economic and Institutional Dynamics of (under) Development (Dr. Steven Schilizzi, Associate Professor, UWA School of Agriculture & Environment, University of Western Australia (Australia)	25.06.2021
55.	Dr. Saira Akhtar, Associate Professor, Department of Rural Sociology	Partnership and knowledge management for Pakistan Salinity Program (Webinar) Australia	19.05.2021
56.	Dr. Saira Akhtar, Associate Professor, Department of Rural Sociology	Improving groundwater management to enhance agriculture and farming Livelihoods in Pakistan ((Webinar) Australia	20.05.2021 to 21.05.2021

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
57.	Dr. Saira Akhtar, Associate Professor, Department of Rural Sociology	Fridrich Ebert Stiftung Seminar on "Crossing the Divide" Germany	20.04.2021
58.	Dr. Saira Akhtar, Associate Professor, Department of Rural Sociology	Just and Green Labour's: Ecological Question. "One Week Online Course South Africa	15.04.2021
59.	Dr. Tariq Aziz, Associate Professor/ Principal, Soil Science and UAF Sub-campus Depalpur Okara	Sustainable Nitrogen Management for Ecosystem Restoration organized by UAF, UNEP, Ministry of Climate Change.	04.06.2021
60.	Dr. Muhammad Tauhid Iqbal, Lecturer Horticulture, UAF Sub-Campus Depalpur, Okara	Role of Agricultural & Environmental Biotechnology for a Sustainable Future Organized by Biogene-com, India	11.08.2020
61.	Dr. M. Tauhid Iqbal, Lecturer Horticulture, UAF Sub-Campus Depalpur, Okara	Genomic-assisted maize breeding: Status and Opportunities Conducted by CIMMYT, Mexico	12.08.2020
62.	Dr. M. Tauhid Iqbal, Lecturer Horticulture, UAF Sub-Campus Depalpur, Okara	Micro Proteins: Novel tool to bioengineer Future ready plants arranged by Bioingene-com, India	17.08.2020
63.	Dr. M. Tauhid Iqbal, Lecturer Horticulture, UAF Sub-Campus Depalpur, Okara	CRISPR in Agriculture: Context of Improving WUE organized by Bioingene. com. India	12.09.2020
64.	Dr. M. Tauhid Iqbal, Lecturer Horticulture, UAF Sub-Campus Depalpur, Okara	Sustainable Nitrogen Management for Ecosystem Restoration Organized by UAF, UNEP, Ministry of Climate Change.	04.06.2021
65.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Nutritious Maize: Technologies, Development and Availability in South Asia conducted by CIMMY, Mexico	21.07.2020 to 23.07.2020
66.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Increasing Maize varietal turnover in Sub-Saharan Africa arranged by CIMMYT, Mexico	
67.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Role of Agricultural & Environmental Biotechnology for a Sustainable Future Organized by Biogene-com, India	11.08.2020
68.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Genomic-assisted maize breeding: Status and Opportunities Conducted by CIMMYT, Mexico	12.08.2020
69.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Improving Phenotyping accuracy and throughput in Maize organized by CIMMYT, Mexico	14.08.2020
70.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	Micro Proteins: Novel tool to bioengineer Future ready plants arranged by Bioingene-com, India	17.08.2020
71.	Dr. M. Rizwan Shafiq, Lecturer PBG, UAF Sub-campus Depalpur, Okara	CRISPR in Agriculture: Context of Improving WUE organized by Bioingene. com. India	12.09.2020

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
72.	Dr. Khalid Naveed, Assistant Professor, Plant Pathology, UAF Sub-campus Depalpur, Okara	Sustainable Nitrogen Management for Ecosystem Restoration Organized by UNO Environment Program	04.06.2021
73.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	International Training Workshop on "Food Safety and Big Data Technology" Guizhou Academy of Science, People's Republic of China.	06.05.2021 to 25.05.2021
74.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	As a speaker in the International Webinar Workshop on "Magic of Motivation for Extension Personnel" organized Department of Agriculture,	13.05.2021
75.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	Training session on "Discover HEC Resources Using Summon Search and Take your Research to the Next level Using Ref Works Reference Management Tool"	09.03.2021
76.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	Training Course on "5 Tips for Getting Published: Maximize your chances to get your paper accepted in Academic Journals" (Online-Dubai, UAE.	27.10.2020
77.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	Training Course on "Strengthening Research Planning Using Elsevier Tools- Scopus, Science Direct & Mendeley" (Webinar) Elsevier & Higher Education Commission.	22.10.2020
78.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	Training Course on "ProQuest Ebook Central Advanced Training" (Online-Dubai, UAE) HEC	16.09.2020
79.	Dr. Tahir Munir Butt, Lecturer, Department of Agricultural Extension and Education, UAF Depalpur Campus, Okara.	Training Course on "ProQuest Ebook Central Advanced Training" (Online-Dubai, UAE) HEC.	13.08.2020
80.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	Sustainable Nitrogen Management for Ecosystem Restoration organized by UAF, UNEP, Ministry of Climate Change.	04.06.2021
81.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	CABI Online Platform Webinar Series: Professional Peer review (Online; UK	25.05.2021
82.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	CABI Online Platform Webinar Series: Professional Peer review (Online; UK	04.05.2021
83.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	Biocontrol of Parthenium; International online Webinar, USA	30.05.2021

SN	Name of Teacher/Department	Foreign Training/Conference/Country	Period
84.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	CABI Online-Platform Webinar Series: Writing Agricultural Grant Proposal (Online) UK	23.02.2021
85.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	ProQuest Introduction to Publishing in Academic Journals- Part 2 Online International Webinar, Dubai, UAE.	15.12.2021
86.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	ProQuest Introduction to Publishing in Academic Journals- Part 1 Online International Webinar, Dubai, UAE.	08.12.2021
87.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	Discover ProQuest Business Premium Collection International Webinar, Dubai, UAE	17.11.2020
88.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	How to Manage Your References Using Reference Works, Dubai, UAE (ProQuest)	17.08.2020
89.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	ProQuest Databases & ProQuest Platform Advanced Training Dubai, UAE	13.08.2020
90.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara.	Current Scenario of R & D on Locust Management: Pakistan Perspective	09.07.2020
91.	Dr. Shoaib ur Reman, Lecturer, Department of Horticulture, UAF Depalpur Campus, Okara	Strengthening Vegetale Value Chain in Pakistan (SVVCP) for greater community livelihood benefits"	16.10.2020
92.	Dr. Shoaib ur Reman, Lecturer, Department of Horticulture, UAF Depalpur Campus, Okara	15, Effective Strategies TO Access Online Learning	19.12.2020
93.	Dr. Shoaib ur Reman, Lecturer, Department of Horticulture, UAF Depalpur Campus, Okara	Food Processing under Agriculture Training base Program	07.12.2020 to 11.12.2020
94.	Dr. Sultan Ali, Assistant Professor, Institute of Microbiology	Virtual Workshop: Sharing Pakistan, Experience in Developing Implementing Good Clinical Practices for human and animal health, USA	14.06.2021 to 18.06.2021

Participation in Local Training Course/Seminar/ Conference/Workshop/Symposia/ Exhibitions (Physically/Online) during 2020-21

SN	Name, designation & department/ Institute	Training Program and City	Date commencement/ period
1.	Dr. Muhammad Anwar ul Haq, Institute of Soil and Environmental Sciences	Participation in international E-conference entitled Promoting applied sciences in Pakistan (PASP-20) organized by NUST, Islamabad	20.07.2020 to 21.07.2020

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
2.	Dr. M. Usman Farid, Lecturer, Department of Structures and Environmental Engineering	PEC-CPD Short Course "Product Design Against Failures" COMSATS University (Sahiwal Campus), Sahiwal	25.07.2020
3.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara	Training Workshop on Sustainable Management of Desert Locust.	08.08.2020
4.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara	Digitalization and Cyber Security: Challenges, Opportunities and Way forward	10.08.2020 to 12.08.2020
5.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Cryopreservation/ Verification in Human Assisted Reproduction: Experts' Review" Organized by the International IVF Initiative.	18.08.2020
6.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara	Sustainable Management of Locust in Pakistan.	19.08.2020
7.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Secrets of Implantation" Organized by the International IVF initiative.	25.08.2020
8.	Dr. Mashkoor Mohsin, Assistant Professor, Institute of Microbiology	1st National Workshop on Diagnosis of Coronavirus (SARS COV-2) Using Real-time PCR Technology	26.08.2020 to 10.09.2020
9.	Prof. Dr. M. Tariq Javed, Department of Pathology	1st international Seminar "Opportunities and Challenges in milk and meat Sector" Jointly organized by Faculty of Animal Husbandry, and office of ORIC, UAF	01.09.2020
10.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Catastrophes: How do they impact our current perspectives on embryo production, cryopreservation and cry storage management" organized by the international IVF initiative	01.09.2020
11.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Ultrasound exam impact on dairy herd and beef herd. Organized by IVM imaging.	02.09.2020
12.	Dr. Muhammad Anwar ul Haq, Institute of Soil and Environmental Sciences	Organized National Symposia on SMOG at New Senate Hall UAF	04.09.2020
13.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Cytoplasmic Maturity and the Acquisition of Developmental Competence in the Human Oocyte" Organized by the international IVF Initiative	08.09.2020

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
14.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Sperm Function" Organized by the international IVF Initiative	15.09.2020
15.	Dr. Khuram Zia, Assistant Professor, ORIC	1st Virtual Safe use Ambassador Conference	17.09.2020
16.	Dr. M. Shahid, Associate Professor, Department of Biochemistry	3rd International Conference on Chemistry Virtual, Lahore	21.09. 2020 to 22.09.2020
17.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Participated in seminar/workshop "Training session for advanced organic farming Technologies, Phase II" UAF	21.09.2020 to 23.09.2020
18.	Dr. Zubair Aslam Associate Professor, Department of Agronomy	Training Session for Advanced Organic Farming Technologies; Phase II Venue: CASE auditorium of UAF and Vermicompost Center of UAF	21.09.2020 to 23.09.2020
19.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "New England Fertility Society Session II" organized by the New England Fertility Society & 13	24.09.2020
20.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "COVID Strategies" organized by the International IVF initiative	29.09.2020
21.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "in Silico Fertilization" Organized by the International IVF Initiative	06.10.2020
22.	Dr. Muhammad Kashif Saleemi, Associate Professor, Department of Pathology	2nd National Training Course on "Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" organized by Department of Pathology, Faculty of Vety. Science, UAF	07.10.2020 to 08.10.2020
23.	Dr. Shafia Tehseen Gul, Assistant Professor, Department of Pathology	2nd National Training Course on "Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" organized by Department of Pathology, Faculty of Vety. Science, UAF	07.10.2020 to 08.10.2020
24.	Dr. Aisha Khatoon, Lecturer, Department of Pathology	2nd National Training Course on "Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" organized by Department of Pathology, Faculty of Vety. Science, UAF	07.10.2020 to 08.10.2020
25.	Prof. Dr. Farzana Rizvi, Department of Pathology	2nd National Training Course on "Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" organized by Department of Pathology, Faculty of Vety. Science, UAF	07.10.2020 to 08.10.2020

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
26.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Reproductive Bio Medicine in Space" Organized by the International IVF initiative	13.10.2020
27.	Dr. Zahid Mushtaq, Assistant Professor, Department of Biochemistry	"Faculty orientation training program for universities" organized by Punjab-HEC for newly appointed assistant professor/lecturers	19.10.2020 to 23.10.2020
28.	Dr. Javid Iqbal, Assistant Professor, UAF Sub Campus TTS, UAF	Online Faculty Orientation Training Workshop organized by Punjab Higher Education Commission, Lahore	19.10.2020 to 23.10.2020
29.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	How to utilize ProQuest Journals, Dissertations and Varied Content Types in Teaching and Research Islamabad	19.10.2020
30.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	How to utilize ProQuest Ebooks Collection in teaching and Research Islamabad	20.10.2020
31.	Dr. M. Farrakh Nawa, Chairman, Department of Forestry and Range Management	Weeds Ecology and Management Pakistan (Online)	24.10.2020
32.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	How to Manage Your Reference Using RefWorks Islamabad	26.10.2020
33.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	Tips for getting Published Islamabad	27.10.2020
34.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Participated in PreQuest 5 tips for getting published organized by HEC, Islamabad	27.10.2020
35.	Dr. M. Imran, Lecturer, Department of Parasitology	International Conference on One Health/online organized by International Vety. Students Association (IVSA)	01.11.2020
36.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	One Day national Symposia on SMOG at UAF	04.11.2020
37.	Dr. M. Imran, Lecturer, Department of Parasitology	1st International Symposium on Current trends and Future Perspectives in Botanical Research/Online organized by Department of Botany, University of Okara	10.11.2020
38.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Participated as invited speaker in International Seminar on smog (ISS-2020" at the Islamia University Bahawalpur	11.11.2020
39.	Dr. Abdul Rashid, Associate Professor in ORIC	ORIC organized online orientation session for the researchers at UAF-Sub Campuses	24.11.2020

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
40.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Entitled "Integrity" Organized by the International IVF Initiative	24.11.2020
41.	Dr. Mashkoo Mohsin, Assistant Professor, Institute of Microbiology	Two Days Virtual One Health International Conference at CUVAS, Jhang	25.11.2020 to 26.11.2020
42.	Dr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine and Surgery	Two days virtual one health conference: Postcovid 19 Prospective, organized by Department of Pathobiology, College of Vety. And Animal Sciences, Jhang	25.11.2020 to 26.11.2020
43.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Back to Basics – With a Twist" Organized by the International IVF Initiative	01.12.2020
44.	Dr. Muhammad Anwar ul Haq, Institute of Soil and Environmental Sciences	Attend online workshop on World Soil Day Celebrations (PASAG20) Organized by Pakistan academy of Sciences/UAF/ FFC	05.12.2020
45.	Dr. M. Imran, Lecturer, Department of Parasitology	3rd International Conference on Applied Zoology-2020 (ICAZ)/Online organized by Applied Zoological Society of Pakistan at Quaid-e-Azam University, Islamabad	07.12.2020 to 08.12.2020
46.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Reboot – Cytoplasmic Manipulation for IVF Failure" Organized by the International IVF Initiative	08.12.2020
47.	Dr. M. Shahid, Associate Professor, Department of Biochemistry	1st International Conference on Emerging Trade of Inter-Disciplinary Research in Biomedical Sciences. Held in University of Okara	10.12.2020 to 11.12.2020
48.	Dr. Fatma Hussain, Associate Professor, Department of Biochemistry	Oral Presentation – 1st International Conference on Emerging Trends in interdisciplinary research in biomedical Sciences, University of Okara	10.12.2020 to 11.12.2020
49.	Dr. M. Sohail Sajid, Associate Professor, Department of Parasitology	Workshop and Webinar on "Advance Molecular Techniques: An Insight View on Trouble Shooting and Primer Designing in Clinical Diagnostics"/Online at College of Vety. And Animal Sciences, Jhang.	14.12.2020

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
50.	Dr. M. Kasib Khan, Assistant Professor, Department of Parasitology	Workshop and Webinar on "Advance Molecular Techniques: An Insight View on Trouble Shooting and Primer Designing in Clinical Diagnostics"/Online at College of Vety. And Animal Sciences, Jhang.	14.12.2020
51.	Dr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine and Surgery	Workshop and Webinar on "Advance Molecular Techniques: An Insight View on Trouble Shooting and Primer Designing in Clinical Diagnostics"/Online at College of Vety. And Animal Sciences, Jhang.	14.12.2020
52.	Dr. M. Imran, Lecturer, Department of Parasitology	Webinar on Improving Research Planning Skills using Elsevier Tools- Scopus and Science Direct" UAF	22.12.2020
53.	Dr. Aftab Ahmad, Assistant Professor, Department of Biochemistry	Invited participant of National Workshop on Genetic Improvement of Livestock Breed for Milk and Meat, Planning "Commission, Government of Pakistan	24.12.2020
54.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Attended second virtual meeting of mitigation working group organized by NEECA Ministry of Energy (Power Division)	31.12.2020
55.	Prof. Dr. M. Tariq Javed, Department of Pathology	HEC's Capacity Building Initiatives: Case Study of Pakistan Development Review. Webinar	05.01.2021
56.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "The invisible Male" organized by the international IVF initiative	19.01.2021
57.	Dr. Rizwan Aslam, Assistant Professor, Institute of Microbiology	Dissecting the Scholarly Publishing Process. An Overview and Guidance on Publishing	27.01.2021
58.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara	International Conference on Smart Plant Protection Online, Multan.	27.01.2021 to 28.01.2021
59.	Dr. Amer Rasul, Assistant Professor, Department of Entomology, UAF	International Conference on Smart Plant Protection organized by MNS-University of Agriculture, Multan	27.01.2021 to 28.01.2021
60.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Trans folk – What We Need To know" organized by the International IVF Initiative	02.02.2021
61.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Personal Genetics" organized by the International IVF initiative date	23.02.2021

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
62.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "RBMO LIVE" organized by the international IVF Initiative	02.03.2021
63.	Dr. Irfan Ahmad, Assistant Professor, Department of Forestry and Range Management	Mandatory Pre-promotion training course from Divisional Forestry Officer to Conservator of Forests As Resource Person Forest Services Academy, Ghora Gali, Murree (Online)	08.03.2021, 12.03.2021 and 15.03.2021
64.	Dr. M. Kashif Saleemi, Associate Professor, Department of Pathology	Consultative Meeting & Workshop for Antimicrobial Resistance Surveillance in the Animal Health Sector organized by office Animal Husbandry Commissioner under Fleming Fund Country Grant at Ramada Hotel Islamabad	08.03.2021 to 09.03.2021
65.	Dr. M. Usman Farid, Lecturer, Department of Structures and Environmental Engineering	International Conference on Computational Mechanics (Participation as Resource Person) Pakistan Institute of Engineering and Applied Sciences, Islamabad	09.03.2021 to 10.03.2021
66.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	5-day virtual training on the "Capacity Building of Female Veterinarians, Vety Assistant and Faculty Members on One Health and Emerging Zoonosis" with the support of Health Security	12.03.2021
67.	Dr. Khuram Zia, Assistant Professor, ORIC	AUTM 2021 Virtual Annual Meeting	15.03.2021 to 18.03.2021
68.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "Therio" Organized by the International IVF Initiative	16.03.2021
69.	Dr. Irfan Ahmad, Assistant Professor, Department of Forestry and Range Management	International Day of Forest, UAF	22.03.2021
70.	Dr. Aftab Ahmad, Assistant Professor, Department of Biochemistry	Keynote lecture: Webinar on CRISPR based Genome editing and its applications, MNSUAM/Fatima Jinnah Women University Rawalpindi	08.04.2021
71.	Dr. Fatma Hussain, Associate Professor, Department of Biochemistry	Hands-on Training on NGS Data Analysis organized by Department of Bioinformatics and Biotechnology, Government College University, Faisalabad	12.04.2021 to 13.04.2021
72.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online Symposium "Beauty is in the Eye of the Beholder – Human Sperm Morphology Assessment"	27.04.2021

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
73.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Cry governance III" organized by the International IVF Initiative	27.04.2021
74.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	"The Metrics" Organized by the International IVF Initiative	04.05.2021
75.	Dr. Saira Akhtar, Associate Professor, Department of Rural Sociology	Women Leadership in Water Sector UN Food System Summit by IWMI	29.05.2021
76.	Dr. Tariq Mustafa, Lecturer, Department of Entomology, UAF Depalpur Campus, Okara	In recognition and appreciation of research contribution to international conference on Bee Pollination under	20.05.2021
77.	Dr. Fatma Hussain, Associate Professor, Department of Biochemistry	Oral presentation – international online Conference "Dynamic Strategies in Plant Sciences for Crop Sustainability and Food Security" Organized by Department of Botany, GCU, Faisalabad	26.05.2021 to 27.05.2021
78.	Dr. Hammad Raza Ahmad, Assistant Professor, Institute of Soil and Environmental Sciences	Webinar Sustainable Management for Ecosystem restoration World Environ Day Webinar, UAF	04.06.2021
79.	Dr. Abdul Rashid, Associate Professor in ORIC	Project feasibility document (PC-II), Preparation of Project Document) PC-I) Annual performance Report After Completion of Project (PC-V)	04.06.2021
80.	Dr. Tahir Munir Butt, Lecturer, Department of Agri. Extension and Education, UAF Depalpur Campus, Okara	Training workshop in "Project Appraisal, Monitoring & evaluation" organized by Institute of Agricultural and Resource Economics & ORIC	04.06.2021 to 13.06.2021
81.	Dr. Fahd Rasul, Associate Professor, Department of Agronomy	Sustainable Nitrogen Management	04.06.2021
82.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Participated online webinar on world environment day, UAF	05.06.2021
83.	Dr. Nabeel Khan Niazi, Associate Professor, Institute of Soil and Environmental Sciences	Attended the World Environment Day, organized and hosted by Ministry of Climate Change, Islamabad	05.06.2021
84.	Dr. Irshad Bibi, Assistant Professor, Institute of Soil and Environmental Sciences	Attended the World Environment Day, organized and hosted by Ministry of Climate Change, Islamabad	05.06.2021
85.	Dr. Abdul Rashid, Associate Professor in ORIC	Discount Factor (DF): Net Present Worth (NPW), Internet Rate of Return (IRR)	05.06.2021
86.	Dr. Abdul Rashid, Associate Professor in ORIC	Benefit-Cost Ratio: Net benefit investment ratio Sensitivity Analysis/Risk Management	06.06.2021
87.	Dr. Tayyaba Naz, Lecturer, Institute of Soil and Environmental Sciences	Training Workshop on Project Appraisal, Monitoring and Evaluation Faisalabad	12.06.2021 to 13.06.2021

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
88.	Dr. Abdul Rashid, Associate Professor in ORIC	Evaluation-SOW Evaluation Management	13.06.2021
89.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Participation in seminar entitled "Role of IPR in research and elevation of organization held on organized by PASTIC and ORIC UAF	14.06.2021
90.	Dr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine and Surgery	Webinar titled Ticks and tick-borne diseases in the changing climate perspective, organized by University of Poonch, Rawalakot, Azad Kashmir	15.06.2021
91.	Dr. Irshad Bibi, Assistant Professor, Institute of Soil and Environmental Sciences	Resource Person Hands on Training to Government of Sindh	21.06.2021 to 30.06.2021
92.	Dr. M. Anwar ul Haq, Institute of Soil and Environmental Sciences	Focal/Resource Person; Hands on Training to Government of Sindh	21.06.2021 to 30.06.2021
93.	Dr. Nabeel Khan Niazi, Associate Professor, Institute of Soil and Environmental Sciences	Resource Person Hands on Training to Government of Sindh	21.06.2021 to 30.06.2021
94.	Dr. Abdul Rashid, Associate Professor in ORIC	Monitoring-Introduction and Concepts Monitoring Data collection and Quality Assessment	21.06.2021
95.	Dr. Khuram Zia, Assistant Professor, ORIC	Overview of WIPO and its Activities with a focus on the WIPO Academy	25.06.2021
96.	Dr. Huma Jamil, Assistant Professor, Department of Theriogenology	Online meeting entitled "CRYOGVERNANCE II" organized by the international IVF Initiative	26.06.2021
97.	Dr. Khuram Zia, Assistant Professor, ORIC	Greenhouse Horticulture: Current Status and Future Prospects.	29.06.2021
98.	Prof. Dr. Farzana Rizvi, Department of Pathology	One Day workshop on "Pathobiology & Molecular Epidemiology of Chicken Infectious Anemia & Immunopathogenesis of IB Variants" organized by Department of Pathology, Faculty of Vety. Science, UAF	29.06.2021
99.	Dr. M. Kashif Saleemi, Associate Professor, Department of Pathology	One Day workshop on "Pathobiology & Molecular Epidemiology of Chicken Infectious Anemia & Immunopathogenesis of IB Variants" organized by Department of Pathology, Faculty of Vety. Science, UAF	29.06.2021

SN	Name, Designation and Department	Training/Seminar/Conference etc.	Dated
100.	Dr. Shafia Tehseen Gul, Assistant Professor, Department of Pathology	One Day workshop on "Pathobiology & Molecular Epidemiology of Chicken Infectious Anemia & Immunopathogenesis of IB Variants" organized by Department of Pathology, Faculty of Vety. Science, UAF	29.06.2021
101.	Dr. M. Imran Lecturer, Department of Pathology	One Day workshop on "Pathobiology & Molecular Epidemiology of Chicken Infectious Anemia & Immunopathogenesis of IB Variants" organized by Department of Pathology, Faculty of Vety. Science, UAF	29.06.2021
102.	Dr. Abdul Rashid, Associate Professor in ORIC	International Webinar on Greenhouse Horticulture: Current Status and Future Prospect, organized by Department of Horticulture, MNS University of Agriculture, Multan	29.06.2021

Awards for Meritorious Services in Teaching and Research for the Years 2020-21

SN	Name, Designation & Department/Institute	Type of Award
1.	Dr. Mughees Aizaz Alvi, Lecturer, Department of Clinical Medicine and Surgery	Excellent Award of Doctoral Mid Term Assessment Awarded by Graduate School of Chinese Academy of Agricultural Sciences, China (23.11.2020)



Basic Enrollment

Basic enrollment (fresh + regular) academic session, 2020-21

SN	Certificate / Degree	Total Enrolment
1	Degree programs of Faisalabad Campus	14454
2	Degree programs of Sub-Campus	4865
Total		19319

Gender wise enrollment at undergraduate level, academic session, 2020-21

SN	Certificate / Degree	Male	Female	Total
Main Campus				
1	B.Sc.(Hons.) Agriculture	3924	1072	4996
2	B.Sc.(Hons.) Agricultural & Resource Economics	158	77	235
3	B.Sc.(Hons.) Food Science & Technology	298	246	544
4	B.S. (Animal Sciences)	161	37	198
5	B.Sc.(Hons.) Microbiology	105	192	297
6	B.Sc.(Hons.) Environmental Sciences	133	127	260
7	B.S. (Dairy Science)	118	24	142
8	B. Sc. Agricultural Engineering	268	31	299
9	B. Sc. Food Engineering	92	13	105
10	B. Sc. Energy Systems Engineering	80	16	96
11	B. Sc. Environmental Engineering	63	13	76
12	B. Sc. Textile Technology	91	13	104
13	Doctor of Veterinary Medicine (DVM)	621	161	782
14	Doctor of Pharmacy (Pharm.D.)	59	95	154
15	B.Sc.(Hons.) Home Economics	00	321	321
16	B.Sc.(Hons.) Human Nutrition & Dietetics	105	486	591
17	Bachelor of Business Administration (BBA)	482	173	655
18	B.B.A. (Agribusiness)	59	11	70
19	B.S. (Commerce)	62	22	84
20	B.S. (Bioinformatics)	52	149	201
21	B.S. (Computer Science)	187	87	274
22	B.S. (Software Engineering)	154	80	234
23	B.S. (Information Technology)	172	96	268
24	B.S. (Chemistry)	161	302	463
25	B.S. (Biochemistry)	100	269	369
26	B.S. (Botany)	145	290	435
27	B.S. (Physics)	243	200	443

SN	Certificate / Degree	Male	Female	Total
28	B.S. (Zoology)	120	298	418
29	B.S. (English)	27	51	78
30	B.S. (Mathematics)	47	67	114
31	B.S. (Statistics)	28	27	55
32	B.S. (Education)	19	46	65
33	B.S. (Economics)	29	27	56
34	B.S. (Poultry Science)	14	05	19
35	B.Ed.	261	692	953
	Total	8638	5816	14454
Sub Campuses				
Toba Tek Singh				
36	B.S. (Poultry Science)	185	03	188
37	B.S. (Computer Science)	562	151	713
38	B.S. (Chemistry)	81	147	228
39	B.S. (Zoology)	34	144	178
40	Bachelor of Business Administration (BBA)	65	10	75
41	B.S. (Animal Sciences)	11	03	14
42	B.S. (Information Technology)	42	19	61
43	B.S. (Biochemistry)	06	14	20
44	B.S. (Botany)	02	16	18
45	B.S. (Physics)	20	26	46
46	B.S. (English)	09	25	34
47	B.Sc. (Hons.) Human Nutrition & Dietetics	25	73	98
48	B.Ed.	31	53	84
	Total	1073	684	1757
Burewala/Vehari				
49	B.Sc.(Hons.) Agriculture	631	188	819
50	B.S. (Computer Science)	197	126	323
51	B.B.A. (Agribusiness)	140	38	178
52	Bachelor of Business Administration (BBA)	61	20	81
53	B.S. (Chemistry)	44	141	185
54	B.S. (Botany)	16	132	148
55	B.S. (Zoology)	24	114	138
56	B.S. (Mathematics)	38	58	96
57	B.S. (Physics)	29	40	69
58	B.S. (Information Technology)	100	38	138
59	B.Sc. (Hons.) Food Science & Technology	27	51	78
60	B.Ed.	35	126	161
	Total	1342	1072	2414

SN	Certificate / Degree	Male	Female	Total
Depalpur / Okara (Sub – Campus)				
61	B.Sc.(Hons.) Agriculture	393	49	442
62	B.S. (Botany)	07	04	11
63	B.S. (Zoology)	14	28	42
64	B.S. (Physics)	48	24	72
65	B.S. (Chemistry)	46	43	89
66	B.S. (Mathematics)	05	10	15
67	B.S. (Computer Science)	20	03	23
Total		333	104	437
Grand Total (A + B + C + D)		11586	7733	19319

Faculty Wise Enrollment Summary of Post Graduate Students for Winter Semester 2020-21 (New + Old Students)

Faculty of Agriculture

SN	Subject	M.Sc		M.Sc (Hons.)/ M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Agronomy			199	61	27	1	288
2	Crop Physiology					0	1	1
3	Entomology			191	54	3	0	248
4	Horticulture			163	42	15	8	228
5	Plant Breeding & Genetics			151	94	22	15	282
6	Plant Pathology			176	73	26	16	291
7	Forestry			53	10	13	4	80
8	Soil Science			121	41	22	10	194
9	Envirnmental Scince			46	58	12	10	126
10	Agri. Biotechnology			9	11	0	0	20
11	Biotechnology			48	89	14	20	171
12	Seed Science & Technology			38	9	1	3	51
13	Climate Change			9	5	0	0	14

Faculty of Social Sciences

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Agri. Economics			41	18	7	4	70
2	Rural Development			2	0	0	0	2

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
4	Envirnmental & Recource Economics			0	0	1	0	1
5	Agri. Extension			65	7	27	3	102
6	MS Agri. Business			37	9	9	1	56
7	Economics			0	0	4	14	18
8	Rural Sociology	5	11	2	13	8	18	57

Faculty of Agri Engg. & Technology

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Water Resorce Engg.			20	0	5	2	27
2	Agri. Engg.			59	9	22	3	93
3	Food Engg.			11	2			13
4	Fibre Technology			1	0			1
5	Energy System Engg.			33	3			36
6	Environmental Engg.			7	5			12

Faculty of Animal Husbandry

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Animal Nutrition			54	1	5	0	60
2	Animal Breeding & Genetics			10	1	3	3	17
3	Livestock Management			33	3	1	0	37
4	Poultry Science			28	2	1	0	31

Faculty of Food, Nutrition & Home Sciences

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Food Technology			80	110	25	26	241
2	Dairy Technology			19	26			45
3	Food Safety & Quality Management			37	33			70
4	Food Service Management			5	20			25
5	Human Nutri. & Diete.l			34	200	8	49	291
6	Home Economics(Food&Nut.)			2	52			54
7	Clothing & Textile			0	18			18

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
8	Home Economics (Human Development & Family Study)			0	17			17
9	Fine Arts	6	21					27

Faculty of Veterinary Science

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Microbiology			44	64	18	17	143
2	Pathology			66	21	16	0	103
3	Pharmacology			50	41	6	10	107
4	Physiology			14	17	2	5	38
5	Parasitology			50	15	12	5	82
6	Anatomy			3	2	4	0	9
7	C.M.S.			64	12	6	0	82
8	Theriogenology			48	48	6	0	102
9	Epidemiology & Public Health			23	24	0	0	47

Faculty of Sciences

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Chemistry	18	91	54	188			351
2	Biochemistry	20	71	81	66	9	16	263
3	Botany			19	100	1	4	124
4	Zoology			21	66	1	8	96
5	Statistics			9	19	4	0	32
6	Physics			53	55	21	11	140
7	Mathematics			58	79			137
8	Computer Science					8	2	10

Sub-Campus Community College PARS

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Botany	9	49	28	79			165
2	Chemistry	13	46	28	73			160
3	Physics	22	34	40	53			149

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
4	Zoology	18	29	26	93			166
	Total (A)	111	352	2563	2211	395	289	5921

Evening / Weekend Programme

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Envirnmental Scince (Evening)			25	1			26
2	Microbiology (Evening)			38	58			96
3	Botany (Evening)			52	168			220
4	Chemistry (Evening)			101	321			422
5	Biochemistry (Evening)			28	150			178
6	Computer Science (Evening)			48	80			128
7	MS Software Engg.			70	84			154
8	Physics (Evening)			109	97			206
9	Zoology (Evening)			57	191			248
10	M.B.A. 3 1/2 Years	79	39					118
11	M.B.A. 1.5			40	20			60
12	M.B.A. 2 1/2 Years			32	4			36
13	M.B.A. 2 Years			40	20			60
14	M.B.A. (Executive)			32	10			42
15	M.S. Marketing			21	24			45
16	Rural Sociology (Evening)			20	25			45
17	Economics	17	31	23	61			132
18	Sociology	28	29	5	5			67
19	M.Ed.	40	38					78
20	English	21	71	133	157			382
21	Education	305	111					416
22	M.Com	244	133	40	58			475
23	Mathematics			26	34			60
24	M.S. Finance							

Sub-Campus Cummunity College PARS (Evening)

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Botany			9	46			55
2	Chemistry			14	39			53
3	Physics			32	21			53
4	Zoology			16	47			63
Total (B)		734	452	1011	1721	0	0	3918

Self Finance Basis

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Chemistry	1	2	21	12			36
Total (C)		1	2	21	12	0	0	36

Sub-Campus Burewala

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Agronomy			10	0			10
2	Horticulture			5	1			6
3	Plant Pathology			5	2			7
4	Soil Science			11	4			15
5	Food Technology			9	4			13
6	Botany	3	70					73
7	Chemistry	7	65					72
8	Computer Science	15	64					79
9	MBA 3.5 Year	30	35					65
Total (D)		55	234	40	11	0	0	340

Sub-Campus T.T.Singh

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Computer Science	59	135					194
2	Poultry Science			16	0	2	2	20
3	Chemistry	8	40					48

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
4	Zoology	16	51					67
5	MBA 3.5 Year	10	5					15
6	Education	3	0					3
7	M.Com	12	5					17
	Total (E)	108	236	16	0	2	2	364

Sub-Campus Depalpur/Okara

SN	Subject	M.Sc		M.Sc (Hons.)/M. Phil		Ph.D.		Total
		Male	Female	Male	Female	Male	Female	
1	Agri. Extension			2	0			2
2	Entomology			4	0			4
3	Agronomy			1	0			1
4	Plant Breeding & Genetics			1	0			1
5	Plant Pathology			3	1			4
	Total (F)	0	0	11	1	0	0	12

Grand Total

Total (A)	111	352	2563	2211	395	289	5921
Total (B)	734	452	1011	1721	0	0	3918
Total (C)	1	2	21	12	0	0	36
Total (D)	55	234	40	11	0	0	340
Total (E)	108	236	16	0	2	2	364
Total (F)	0	0	11	1	0	0	12
Grand Total	1009	1276	3662	3956	397	291	10591



UNIVERSITY BUILDING ECONOMY

National Internship Program (UAF) 2020-21

The office of research innovation and commercialization (ORIC) UAF makes utmost efforts to capacitate and to inculcate best of the best practices in the outgoing graduates to enable them to serve the community in a better way. Universities/degree awarding Institutes are the knowledge economies which directly and indirectly contribute to elevate the economic status of the country. During the reporting year (2020-21), following students were placed at various R&D Institutes for their professional grooming:

SN	Name of Students	Host Organization	Duration	Starting date
1	Ms. Samreen Akhtar, AIOU	Main Library, UAF	45 days	28-09-2020
2	Ms. Rabia Yasin, AIOU	Main Library, UAF	45 days	28-09-2020
3	Hamza Qamer Butt, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
4	M. Haris, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
5	Haidar Iftikhar, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
6	Samar Sohail, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
7	M. Waqar Akram, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
8	M. Ahmad Mukhtar, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
9	Subhan Idress , UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
10	M. Awais Akram, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
11	M. Asif, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
12	Ali Haider, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
13	M. Imran Arif, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
14	Nabila Nadeem, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
15	Huma Anwar, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
16	Sana Asif, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
17	Aqsa Khalid, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
18	Waseem Shahzad, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021

SN	Name of Students	Host Organization	Duration	Starting date
19	Usman Nazir, UAF	Bayer Pakistan- Crop Science Monsanto Pakistan (Pvt) Ltd	Two Months	03-01-2021
20	Abdul Hafeez, AIOU	Main Library, UAF	45 days	04-01-2021
21	Ms.Aqsa iftikhar	Main Library, UAF	45 days	04-01-2021
22	M. Minhas Iqbal, AIOU	Main Library, UAF	45 days	11-01-2021



STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

Teaching, research, and learning without Information Technology (IT) services cannot be imagined anymore. In today's world, it's highly critical to stay up to date with the pace of change in the IT sector. University of Agriculture Faisalabad's (UAF) current IT infrastructure is catering the multi-dimensional requirements of UAF community. Under the visionary and astonishing leadership of university management, our IT department has extended their technical services and facilitating internet connectivity round the clock to the University community. Our IT professionals are available 24/7-365 to support and guide the researchers, students, and academic/non-academic staffs to pilot their efficiency and exertion. The HEC has rated UAF at the top position for research output among 140 Universities in the country. We are planning to put great emphasis on dissemination of research output that is being produced faster than ever and its translation into goods and services and timely update on university website.

UAF Initiative on Internet and Society is a step into exploring, understanding and trying to comprehend cyberspace and solving problems. We have recently established the cross-university interdisciplinary Research Initiative on Internet and Society. We are exploring the development of cyberspace, to facilitate its study, to better understand its relationships to business, technology, economic, social, legal, and other dimensions of the University community. Going forward, the immediate focus will be to keep up with the rapid advancement in technology, stay connected and up to date with the global world. IT professionals of UAF are working towards exploring the different ways to help faculty, staff and students to expand innovative research and solutions to the end users. ITRCDB (Information Technology Resource Center and Data Bank) is working proficiently on two main components, Network and Software Development to facilitate the community. Our technical experts are engaged in designing some sort of real time indicators and protocols that can help us to measure and improve learning capabilities, student engagement and other factors that can contribute to the overall success of our program and graduates. We're open to collaborating with people who can help us develop the content as well as scale up the program itself.

Network Section

Information Technology has become an essential part of our daily lives in 2004. UAF took a major step towards providing a stable gigabyte network across the campus through a project named "Campus-wide Networking and Computerization of University of Agriculture Faisalabad" using Fiber Optics". It supported 400 nodes of Network which has increased to 1500 nodes in 2008. To cope with the increasing number of nodes in the current infrastructure "Upgradation/Strengthening of I.T Infrastructure" was launched under the mega project for expansion and upgradation of internet, web, and software facilities to entertain the faculty and staff in reliable manners at UAF. A new state of the art Data Centre has been developed providing around 2800 nodes, existing hardware has been updated in the Main and Old campuses and all the students hostels have been equipped with wireless capability.



In December 2010, Information Technology Resource Center and Data Bank (ITRCDB) was established to provide centralized IT support and services to the entire campus.

The Data Center of ITRCDB is equipped with latest software and hardware resources like Firewall, Core Switches (Huawei catalyst switch S12800, Quadway S5700), Wireless Controller CISCO 4402, Ruckus Zone Director 1200, with Latest UTM USG 6660 , Adaptive Security Appliance CISCO 5550, VPN, IBM's series Blade servers with 5.8 TB SAN, Dell Power Edge and Operating system Resources like Windows Server 2008 R, Windows Server 2012 R2, VMware 6.5, CentOS Linux 6.5 Edition, Microsoft Office Communicator Server and so on. ITRCDB has centralized database management system which is configured with Oracle 11g Release 2 that is used for maintaining all university data. ITRCDB's state-of-the-art Data Center is distributing 1.3 Gbps bandwidth to the entire campus including academic blocks, administration, and hostels. These facilities are connected with Pakistan Education Research Network (PERN2). UAF is working towards increasing the bandwidth to the next level to facilitate the increasing demand of internet due to massive use of laptops and smart devices. Campus wide core network is comprised of distributing switches of Huawei Quadway s5700 which are providing connectivity to Access layer switches (CISCO Catalyst 3960, 2950 and 520, Huawei S5700) and CISCO Light Weight Access Point 1242 series through UTP and Core medium Fiber Optic. The Data Center is providing 1.3 Gbps real-time Internet connectivity to all departments including the hostels of students and faculty affiliates.

University of Agriculture, Faisalabad have agreement with PERN for internet connectivity in all sub campuses of UAF. Under the umbrella of this agreement, PERN have deployed 60Mbps dedicated internet fiber optic link with the coordination of Department of Information Technology Resource Center and Data Bank at PARS, Toba Tek Sing and Burewala sub campus of UAF. Wi-Fi facility is also deployed by the ITRCDB, UAF at all three sub campuses and their hostels.

ITRCDB is also Contributing in the Progress of University by following means

- 24/7 uninterrupted high speed-controlled Internet access throughout the campus.
- Manage and implement biometric attendance system
- Network based Surveillance system
- Network and system support services
- Hardware repair and maintenance services
- Web and e-mail services
- Digital Library and E-library access
- MSDNAA Program for all students and Faculty members
- Conducting MOS (Microsoft office specialist) Exam
- Video conferencing services
- IP telephony services
- VMWare horizon based virtual desktop infrastructure
- Resource sharing over the LAN infrastructure
- Data backup and archiving
- Network extensions for existing and new departments on campus
- Technical assistance for procurement of IT related equipment and services
- Setup virtualized environment using VMWare & Hyper-V technologies to introduce e-services high availability, effective usage of computer resources and energy efficient computer systems.

Network Enhancements Projects in Pipeline

- Migration to cloud services, Microsoft Office 365 including Exchange, SharePoint, One Drive for online storage and Skype for business has been completed successfully.
- All faculties are connected with high-speed fiber optics using Cisco Layer 3 Model.
- To equip the community with original Microsoft Windows© and other software like Microsoft Office, Antivirus and other productivity software for project planning and design.
- Installed full meshed Access Points for wireless connectivity to accommodate staff and student for

uninterrupted internet access.

- Upgraded the existing Cisco core, access switch to Huawei core, distribution, and access switches.
- Deployed VMware horizon based virtual desktop infrastructure solution comprises of high-end storage, compute, and Zero Client technologies.
- Deployed data network, VOIP, and surveillance technologies at sub campuses of university to connect remote sites through converged network of main campus.
- Installed hybrid exchange (Analog, IP) to facilitate communication services within campus.
- New Huawei UTM solution is providing application level deep security in order to protect internal I.T resources against latest malware, security threats, and suspicious traffic to ensure round the clock integrity, confidentiality, and availability of associated e-services

Software Section

Information Technology Resource Center and Data Bank (ITRCDB) has also developed modules for different departments of UAF.

Real-Time Fee Integration

In 2017-18 fee collection system was upgraded with real time bank integration. First time ever in university history ABL and MCB introduce real time fee collection mechanism, students can submit university dues in any branch of banks as well as through ATM and get the real time confirmation in UAF system and on students' portal.

By introducing this system, following changes and upgradation has happened:

- Fee submission facility in all ABL and MCB branches across Pakistan
- Real time reporting to offices relating to finance i.e., treasurer office, fee section, accounts department, Chief of hall warden office.
- Elimination of 24 hours gap from entry test vouchers verifications.
- Generation of merit list on frequently basis
- Generation of revenue reports
- Faster bank reconciliation process
- Bank scroll summaries and reports

Online Admission and Record Information System

- The journey was started in 2014: UAF lunched online admission system and on later stage integrated it with the real-time fee collection system. During Covid-19 pandemic, entry test for the undergraduate was skipped and admission process has been carried out for the admission in session 2020-2021. Total 22699 applicants applied for the admission in undergraduate program in this session.

- **Merit Generation system:**

IT has provided undergraduate merit generation system from admission session 2020-21 to all departments/campuses, where any of focal person nominated by department/campus HOD can generate merit lists as much as their good office requires. They can scrutinize any application by viewing their documents, set the seat allocation against any degree. System have the option to print merit lists in excel format for finalizing lists and publish for website.

- **Postgraduate**

UAF conduct two entry tests with various streams and categories offered by departments for the admission in postgraduate degree program of MS/M.Phil. /Master's in philosophy/M.Sc. (Hons.) under admission session 2020-21 with online entry test system in which following numbers of candidate has participated:

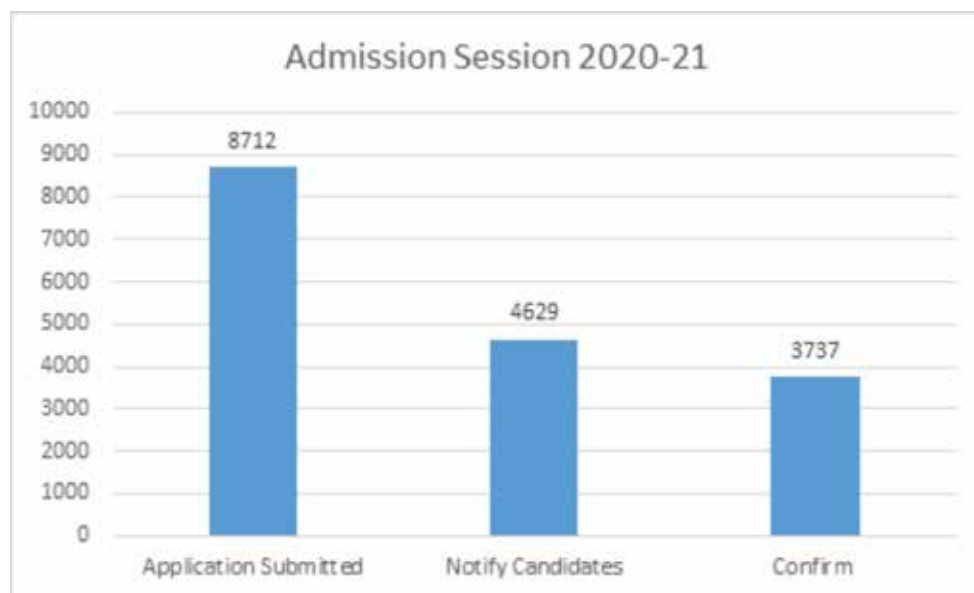
Postgraduate Entry Tests	
Entry Test	No of Candidates
First	9476
Second	6362

- This process goes through online registration to assigning registration number for all newly admitted student including masters/M.Phil. / PhD. All the processes were conducted through online system i.e. registration, entry test, admission processing and semester enrollment fee submission, document uploading, result checking etc.

Admission System

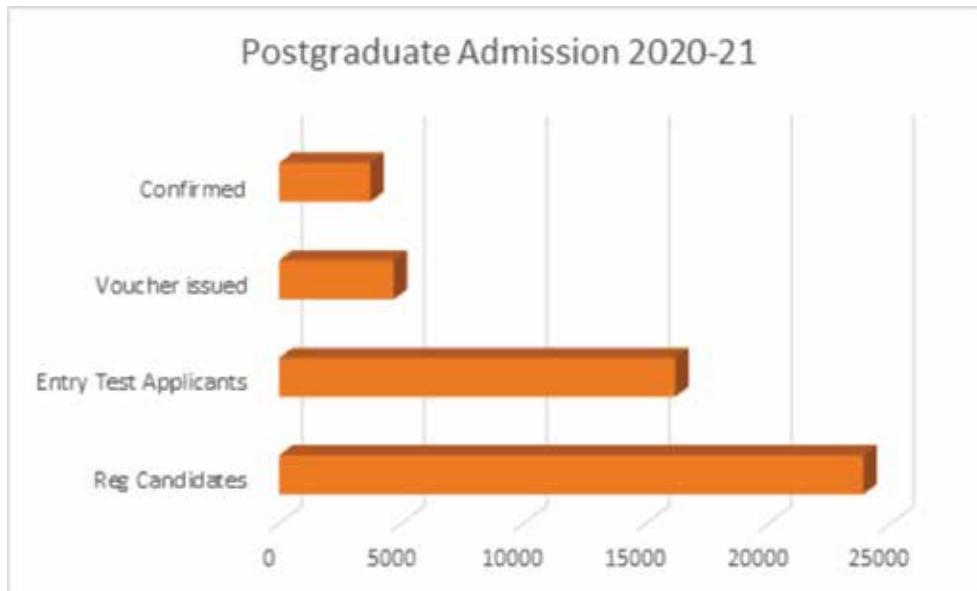
Postgraduate Admission System

After successful completion of entry test procedure Admission procedure is started which is fully integrated with the entry test process and their results. During the admission process approx. 8000+ application submitted electronically through our online systems which is considered for merit generation after complete inspection of the application.

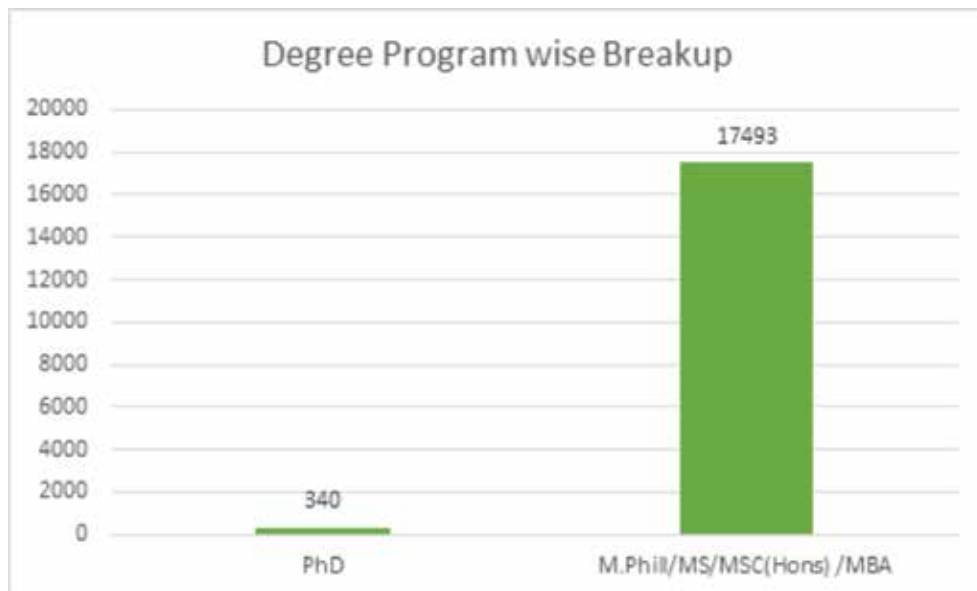


- UAF developed in-house admission and record software that is playing a core role in the admissions to record data of all incoming and existing students. This application is also capable of calculating merit lists automatically according to the rules. For last 5 years, admission process is being facilitated by this software. For this purpose, ITRCDB launch latest technologies of asp.net core by which any user can access the system at home or office. Admission process and fees of newly incoming students are generated by this system.
- In 2017, UAF lunched online admission system for postgraduate and Ph.D. candidates that is capable of taking the applications online along with the required documents electronically for all the campuses of the UAF.
- Through our online system more than 23500+ candidates were registered with our online portal and approx. 160000 unique applications received for the entry test, from which 8000 applications are received for admission in various degree programs in the session 2020-21.

- Below is the graphical view of the statistics of the Postgraduate admission system



- Below is the graphical view of the degree program wise breakup of the admission



Admission Help Desk

IT directorate manages admission help desk for answering questions/queries related to admissions in all categories i.e. intermediate, ungraduated, postgraduate. The candidates can access from phone calls, email and admission cell office.

Commencement of Online Classes and Online Exam

- In wake of the COVID-19 pandemic, the Government announced the closure of all academic institution (schools, colleges, universities) in the country. ITRCDB have well instituted and operational LMS, and

have commenced or are prepared to begin online lectures. Similarly, data is available to faculty and students registered on LMS, faculty trained on online teaching and assessment practices, and other requirements to safeguard the quality of learning.

- **Technical Support:** ITRCDB has established a Technical Support Cell to extend all necessary support for the transition to online or hybrid mode of learning. ITRCDB start capacity building process with the help of QEC and trained university faculty for online classes and online examination. During the COVID-19 pandemic, ITRCDB achieved the objective protect health and lives of all stakeholders including students, faculty members and employed in universities as well as complete the semester in time through online education/ examination.

Digital Library and Book Bank Information System

- Robust Library Management software is developed in house to facilitate computerized book record, e-search facility of books, journals and thesis, and track issuance records of books.
- Digital library program from HEC is playing a key role in the availability of electronic resources for the students at UAF. There are couple of labs established at the library for male and female students who have access to digital library 24/7. ELIN & Ebrary are the popular ones among the students.
- Process of book issue, book rents and fine all is controlled by this in-house system.

Web Portal

- FFTP server is configured by the ITRCDB to cater the staff and faculty for uploading/downloading files.
- Microsoft cloud services are also being used to share the data within the organization. Data is posted and retrieved through a single sign on process using email credentials.
- Use of E-Calendar is introduced campus-wide that facilitate all the faculty and staff to stay connected and schedule their appointments using electronic method.

Mobile Apps

- UAF launched few android apps in last 4 months that are designed for information distribution and student & staff interaction. UAF campus app helps students to stay tuned with latest news and updates and access to information on few clicks. They are also facilitated with online admission through app, checking merit lists, and many more other options to explore.

Electronic Generation of DMCs, Degrees, and Award lists

- Controller of Examination's office is also equipped with in house developed software, which is capable of generating DMCs, degrees, award list generation and management, subject enrollments of all postgraduate and undergraduate students and result lists generation. Right after the admission of any student of postgraduate or undergraduate, process from registrations of students till issuance of DMC is all controlled by in house system and centralized database.

Electronic Printing of Identity Cards

- In 2014, ITRCDB developed an application that is capable of allocating hostel form one central database. Hostel management system is completely capable of storing and maintaining hostel wise student records. This system is fully integrated with fee section system and data is limited in access to fee office for printing of fee vouchers of boarder students. The system stores complete history of all students from the time of admission till degree completion and furthermore it has capacity of credentials-based access by the male and female hostels.
- Recently IT office has updated student identity card on RFID card system with newly standard designs with separation of Boarding and Non-boarding students' categories. This increases the system capability for tracking of students records with RFID system components

Maintenance of Student Records Electronically

- Student Record Branch Information System is capable of maintaining and managing student records electronically.

Electronic Printing of Fee Slips

- Undergraduate and Postgraduate Fee Management System is also managed through a major software which is capable of keeping track of all fees paid by students in each semester. Fee slips are being generated by using this software automatically for last few years. This software is providing financial management assistance of funds to the treasurer office. With this system, fee vouchers can be printed at department levels. which is completely designed credential based.

Accounts Management System

- IT has developed a system for managing income account where all the dues directly submitted to the university income account. This system managing all type of vouchers such as for students DMC, character certificate, NOC, etc. and for employee's wheat vouchers, income transfer from other banks, parking accounts etc. after submission all type of reports of verified dues also been managed.

Electronic Hostel Allocation System

- In 2014, ITRCDB developed an application that is capable of allocating hostel form one central database. Hostel management system is completely capable of storing and maintain hostel wise student records. This data is limited in access to Fees office for printing of boarder vouchers. The system stores complete history of all students from the time of admission till degree and furthermore it has capacity of credit-based access by the male and female hostels.

Social Media and UAF

- Use of social media have become a major pillar of campus life. UAF is aggressively working on Twitter, Facebook, LinkedIn, RSS Feed, YouTube University Channel to stay connected with students and global world to help them and provide them information related to campus activities and other News and Information related to campus life. All the news and announcements are broadcast using Twitter, RSS Feed and Facebook pages.
- Both teachers and students are looking at social media as a tool to engage, support, and connect students, teachers, and institutions. Social media is becoming an integral part of life online as social websites and applications proliferate. Most traditional online media include social components, such as comment fields for users.
- Various Pages linked with UAF Official social media page
 - o ORIC UAF
 - o Department of Theriogenology
 - o DFA&UAF
 - o NIFSAT UAF
 - o Department of Biochemistry, University of Agriculture, Faisalabad-OFFICIAL
 - o Institute of Horticultural Sciences
 - o Directorate of Academics UAF
 - o Institute of Physiology and Pharmacology
 - o Institute of Animal and Dairy Sciences
 - o Dept of Clinical Medicine and Surgery, FVS, UAF
 - o Institute of Agricultural and Resource Economics - UAF - Pakistan
 - o Directorate of Academics UAF
 - o Institute of pharmacy physiology and pharmacology
 - o Institute of Animal and Dairy Sciences

- o Dept of Clinical Medicine and Surgery, FVS, UAF
- o Institute of Agricultural and Resource Economics - UAF - Pakistan
- o Mian Shehbaz Sharif
- o Directorate of Students Affairs, University of Agriculture, Faisalabad.
- o Department of Parasitology, FVS, UAF
- o Government of Punjab, Pakistan
- o Department of Public Relations and Publications, UAF
- o University of Agriculture
- o Department of Anatomy, UAF
- o Recent page statistics of viewer traffic, accounts

ITRCDB Web Development and Maintenance

The Centre is also administrating the following websites

- University website www.uaf.edu.pk which is the richest source of comprehensive and up-to-date information about the campus' life, research, academic activities, academic calendar, documentaries, photo galleries and publications. UAF's website is also facilitating the student, staff and faculty by providing web-based catalog interface for Central Library of UAF. The end users can search Books, theses and journals effectively & efficiently and also download soft copies of them.
- In 2015, UAF launched Online Entry Test registration for undergraduate program that was capable of taking the application online and facilitating the students.
- The Department of ITRCDB also launched the online registration for DICE -2015 www.uaf.edu.pk/pages/dicestp1.aspx (Distinguished Innovations, Collaboration & Entrepreneurship). DICE is a strategic initiative of DICE foundation, aimed at fostering innovation culture in the country.
- A new website for USPCAS <http://uspcasafs.uaf.edu.pk/> has also been developed and managed by the center. U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security (USPCAS - AFS) is an initiative by USAID. The USPCAS-AFS will serve as a focal point for collaborative research and training among all nodes of agricultural sciences related to food security.
- www.web.uaf.edu.pk:8010 is providing web-based interface of library management software to provide information of book, thesis and journals available at library online. Students and employees can access this information without visiting library.
- A web-based forum for current student and alumni www.alumni.uaf.edu.pk has also been developed and managed by the center. It develops a social network of old and new students and has become the centralized platform for current students as well as alumni of UAF to keep in touch with each other. Students/alumni can chat, send email, post jobs and can share old memories with each other by adding other students in their friends list.
- Online employees repository and papers repository www.repository.uaf.edu.pk also has been developed and managed by this center. These repositories are providing all information about employees and publications.
- www.icdd.uaf.edu.pk is another website that is managed by the center. This site is UAF's consortium with other universities globally to perform research in the field of agriculture.
- Web section is also managing employees official email system which is hosted on Google servers known for remarkable security and identity theft protection. Employees are encouraged to get their official email IDs to let them communicate with outer world with their official identities.
- In 2015, Department started to create official email address for the post graduate students, students can now use their official email IDs for their research and publications
- <http://student.uaf.edu.pk> for printing of semester-wise regular fee vouchers from world wide web.
- Online Books system has introduced, running on following link <http://onlinebooks.uaf.edu.pk/>
- Employees and journals information is developed by ITRCDB <http://staff.uaf.edu.pk/Login.aspx>

Software Enhancements Projects in Pipeline

- Software Enhancements Projects in Pipeline
- Virtualized Eco-friendly Data Bank environment
- Assessment and Initialization towards migration to Cloud
- Campus Management Solution: Assessment and Deployment of Enterprise Resource Planning (ERP)
- Deployment of Active Directory environment for entire campus
- Deployment of in-house upgraded testing and development environment
- Deployment of Virtual Learning environment: Instructor-led Online & Self-paced Online
- Secure data sharing and transfer
- Introducing and implementing IT policies and procedures
- Deployment of IT asset management application
- Online Registration for the university Scholarships

Deployment of Enterprise Resource Planning (ERP) and Campus Management System (CMS)

ITRCDB is in the process to deploy Enterprise Resource Planning (ERP) and Campus Management System (CMS) through HEC funded project titled "Establishment of I.T. and Library Infrastructure for new Disciplines of Food and Energy Engineering and Science at University of Agriculture, Faisalabad. Project aims to deploy following SAP S/4HANA based ERP and CoC based Campus Management software modules to automate business functions of university:

ERP Modules

1. Financial Management System
2. Tender, Procurement & Inventory Management
3. Human Resource Management System
4. Payroll Management System
5. Pensioner Management System
6. Voluntarily Provident Fund Management System
7. Provident Fund Management
8. Benevolent Funds Management System
9. Endowment Fund Management System
10. Vehicle Management System
11. Research Grant Management System

CMS Modules:

- | | |
|--|-----------------------------|
| 1. Online Admission System | 2. Academics |
| 3. Learning Management System (LMS) | 4. Fee Management System |
| 5. Examination Management System | 6. Auto-Attendance System |
| 7. Library Management System | 8. Hostel Management System |
| 9. Student Complaint Management System | 10. Student Record Branch |
| 11. Students/Parents/Faculty portals | 12. Mobile Apps |

UNIVERSITY BUILDING COMMUNITIES

Research Collaboration with other Institutes for Strengthening R&D Ties with UAF

Postgraduate students carry out their research at campus as well as with other renown R&D Institutes to improve the quality of research and strengthening the research collaboration with the Institutes. The collaborating institutes are also acknowledged for their contribution in terms of including the collaborating scientist as member of supervisory committee as well as in research publication (if any). The following list depicts the postgraduate research carried out in collaboration with other Institutes during the year 2020-21.

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
1	Mr. M. Awais	2012-ag-3641	Ph.D.	PBG	Agriculture	IOWA State University, USA	Prof. Dr. Thomas Lubberstedt	01-02-2021
2	Mr. Ehtisham Hussain	2019-ag-132	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Mr. Amir Latif	01-02-2021
3	Mr. M. Umer Hassan	2019-ag-147	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Mr. Amir Latif	01-02-2021
4	Ms. Javaria Tabassum		Ph.D.	PBG	Agriculture	China National Rice Research Institute (CNIRRI)	Dr. Rana M. Atif	01-02-2021
5	Mr. M. Sabir	2019-ag-295	M.Sc. (Hons.)	Animal & Dairy Sciences	Animal Husbandry	Samundri Chicks (pvt.) Limited	Dr. M. Atif	02-02-2021
6	Ms. Sidra Kanwal	2019-ag-3579	M.Phil.	Chemistry	Sciences	Materials and Testing, National Textile University	Dr. M. Irfan Siyal	09-02-2021
7	Ms. Maryam Saeeda	2014-ag-9248	M.Phil.	Chemistry	Sciences	Materials and Testing, National Textile University	Dr. M. Irfan Siyal	09-02-2021
8	Mr. M. Asif	2019-ag-2446	M.Phil.	Physics	Sciences	Medical Physics Department, PINUM Cancer Hospital	Mr. M. Shahbaz	09-02-2021
9	Ms. Sara Raza	2015-ag-6433	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Dr. Khunsa Khakwani	11-02-2021
10	Ms. Yasmeen Abbasi	2019-ag-121	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Dr. Ghulam Sarwar	12-02-2021
11	Ms. Amna Zulfiqar	2017-ag-4863	Ph.D.	Environmental Sciences	Agriculture	COMSETS, Islamabad	Dr. M. Shahid	12-02-2021
12	Mr. Wajih Maqsood	2015-ag-7112	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Dr. Khunsa Khakwani	18-02-2021
13	Mr. Saqib Ali	2015-ag-7078	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Mr. Amir Latif	23-02-2021

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
14	Ms. Fatima Aslam Bhatti	2010-ag-3585	Ph.D.	Soil & Environmental Sciences	Agriculture	NIAB, Faisalabad	Dr. Wajid Ishaq	24-02-2021
15	Mr. M. Kashif Hanif	2003-ag-1956	Ph.D.	Agronomy	Agriculture	AARI Faisalabad	Dr. M. Kashif Munir	24-02-2021
16	Mr. M. Ahmad	2013-ag-2282	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Dr. Khunsa Khakwani	01-03-2021
17	Mr. M. Idrees	2013-ag-2626	M.Sc. (Hons.)	Animal Nutrition	Animal Husbandry	National Group of Companies, Lahore	Dr. Musaddiq Asif	03-03-2021
18	Ms. Sara Raza	2015-ag-6433	M.Sc. (Hons.)	PBG	Agriculture	AARI Faisalabad	Dr. Khunsa Khakwani	04-03-2021
19	Ms. Bakhtawar Maqbool	2010-ag-2487	Ph.D.	Microbiology	Veterinary Science	NIBGE, Faisalabad	Dr. Shazia Khaliq	05-03-2021
20	Mr. Waqar Hassan	2015-ag-7307	M.Sc. (Hons.)	Plant Pathology	Agriculture	NARC	Dr. M. Fayyaz	08-03-2021
21	Ms. Sadia Afzal	2019-ag-2202	Ph.D.	Chemistry	Sciences	National Textile University, Faisalabad	Dr. Zulfiqar Ahmad Rehan	09-03-2021
22	Ms. Shakra Jamil	2001-ag-978	Ph.D.	PBG	Agriculture	AARI Faisalabad	Dr. M. Zafar Iqbal	08-03-2021
23	Ms. Sadia Afzal	2019-ag-2202	M.Phil.	Chemistry	Sciences	National Textile University, Faisalabad	Dr. Zulfiqar Ahmad Rehan	11-03-2021
24	Ms. Farzana Zahoor	2020-ag-998	M.Phil.	Botany	Sciences	Mirpur University of Science & Technology (MUST)	Dr. Qumqum Noshad	25-03-2021
25	Ms. Aqsa Younis	2020-ag-940	M.Phil.	Botany	Sciences	Mirpur University of Science & Technology (MUST)	Dr. Nafeesa Zahid	25-03-2021
26	Mr. Shoaib Aasim	2019-ag-2403	M.Phil.	Chemistry	Sciences	National Textile University, Faisalabad	Dr. Shagufta Riaz	25-03-2021
27	Ms. Amtulmunim Latif	2014-ag-2008	M.Sc. (Hons.)	PBG	Agriculture	NIBGE, Faisalabad	Dr. M. Asif	13-04-2021
28	Mr. M. Husnain	2020-ag-982	M.Phil.	Botany	Sciences	AARI Faisalabad	Dr. M. Arif	15-04-2021
29	Mr. Hafiz Saeed ur Rehman	2005-ag-1725	Ph.D.	Agronomy	Agriculture	AARI Faisalabad	Dr. Javed Ahmad	26-05-2021
30	Mr. Ali Hussan	2019-ag-348	M.Phil.	Clinical Medicine & Surgery	Veterinary Science	Government Postgraduate College, Faisalabad	Dr. Ambreen Ashar	28-05-2021

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
31	Mr. Umar Farooq	2019-ag-349	M.Phil.	Clinical Medicine & Surgery	Veterinary Science	Government Postgraduate College, Faisalabad	Dr. Ambreen Ashar	28-05-2021
32	Mr. M. Rehman	2020-ag-413	M.Phil.	Parasitology	Veterinary Science	Ripah College of Veterinary and Animal Sciences, Lahore	Dr. Asif Iqbal	28-05-2021
33	Ms. Sidra Aslam	2015-ag-5940	M.Phil.	Parasitology	Veterinary Science	Islamia University, Bahawalpur	Dr. Tauseef	28-05-2021
34	Mr. Rana M. Salman	2012-ag-2411	M.Phil.	Parasitology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. Waseem Babar	28-05-2021
35	Ms. Aqsa Imran	2015-ag-5970	M.Phil.	Parasitology	Veterinary Science	Muhammad Nawaz Sharif University of Agriculture, Multan	Dr. Asghar Abbas	28-05-2021
36	Mr. Zain Arshad	2015-ag-5981	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Jhang	Dr. Muhammad Arfan Zaman	28-05-2021
37	Mr. M. Hamza Azam	2012-ag-2218	M.Phil.	Parasitology	Veterinary Science	Muhammad Nawaz Sharif University of Agriculture, Multan	Dr. Hafiz Muhammad Ishaq	28-05-2021
38	Ms. Sabiha Ilyas	2014-ag-4079	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Jhang	Dr. M. Arfan Zaman	28-05-2021
39	Ms. Amna Ahmad	2015-ag-5938	M.Phil.	Parasitology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. Amjad Islam Aqib	28-05-2021
40	Mr. M. Shahzad	2020-ag-412	M.Phil.	Parasitology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. M. Adeel Hassan	28-05-2021
41	Mr. Ahmad Mohi-ud-Din	2015-ag-6055	M.Phil.	Parasitology	Veterinary Science	Muhammad Nawaz Sharif University of Agriculture, Multan	Dr. Hafiz Muhammad Ishaq	28-05-2021

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
42	Mr. Safder Ali	2020-ag-1921	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Narowal	Dr. Hafiz Muhammad Rizwan	28-05-2021
43	Ms. Sadia Ghazanfar	2020-ag-411	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Narowal	Dr. Hafiz Muhammad Rizwan	28-05-2021
44	Mr. M. Tayyab	2014-ag-4019	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Narowal	Dr. Haider Abbas	28-05-2021
45	Ms. Maria Kousar	2015-ag-5937	M.Phil.	Parasitology	Veterinary Science	Fatima Jinnah Medical University, Pakistan Health Research Council, Lahore	Dr. Faiz Ahmad	28-05-2021
46	Ms. Akasha Tanveer	2015-ag-5977	M.Phil.	Parasitology	Veterinary Science	Ripah College of Veterinary and Animal Sciences, Lahore	Dr. Rao Muhammad Siddique	28-05-2021
47	Ms. Leena Khawar	2020-ag-414	M.Phil.	Parasitology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. M. Adeel Hassan	28-05-2021
48	Ms. Sahar Younas	2013-ag-2137	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Narowal	Dr. M. Ahsan Naeem	28-05-2021
49	Mr. Ali Hussain Afzal	2013-ag-2668	M.Phil.	Parasitology	Veterinary Science	Islamia University, Bahawalpur	Dr. Tauseef-ur-Rehman	28-05-2021
50	Mr. M. Shahbaz	2014-ag-3976	M.Phil.	Clinical Medicine & Surgery	Veterinary Science	Government Postgraduate College PC II, Faisalabad	Dr. Ambreen Ashar	28-05-2021
51	Mr. Rana Hamid Ali Nisar	2010-ag-2542	M.Phil.	Parasitology	Veterinary Science	University of Poonch, Rawalakot	Dr. Asim Shamim	01-06-2021
52	Mr. M. Ashir Nabeel	2014-ag-4087	M.Phil.	Theriogenology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. Amjad Islam Aqib	01-06-2021

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
53	Mr. Muzammil Talib	2014-ag-4095	M.Phil.	Theriogenology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. Amjad Islam Aqib	01-06-2021
54	Mr. M. Mohsin Abbas	2001-ag-560	Ph.D.	Microbiology	Veterinary Science	National Veterinary Laboratory, Islamabad	Dr. M. Abu Bakar	01-6-2021
55	Mr. M. Shahzad Mustafa	2020-ag-412	M.Phil.	Parasitology	Veterinary Science	Cholistan University of Veterinary & Animal Sciences, Bahawalpur	Dr. M. Adeel Hassan	07-06-2021
56	Ms. Sadia Ghazanfar	2020-ag-411	M.Phil.	Parasitology	Veterinary Science	College of Veterinary and Animal Sciences, Narowal	Dr. Hafiz Muhammad Rizwan	07-06-2021
57	Mr. Ali Hussain	2019-ag-348	M.Phil.	Clinical Medicine & Surgery	Veterinary Science	Government Postgraduate College PC II, Faisalabad	Dr. Ambreen Ashar	07-06-2021
58	Ms. Kanwal Shafique	2019-ag-2235	M.Phil.	Biochemistry	Sciences	Government College University, Faisalabad	Dr. Mahwish Salman	03-06-2021
59	Ms. Busgra Hameed	2019-ag-2332	M.Phil.	Biochemistry	Sciences	Government College University, Faisalabad	Dr. Mahwish Salman	03-06-2021
60	Mr. Ali Husnain	2015-ag-6621	M.Phil.	Animal Nutrition	Animal Sciences	Korangi Industrial Area, Karachi	Dr. Munawar Hussain	14-06-2021
61	Mr. Dilawar Altaf	2019-ag-347	M.Phil.	Clinical Medicine & Surgery	Veterinary Sciences	Government College University, Faisalabad	Dr. M. Fakhar-e Islam	17-06-2021
62	Ms. Bushra Hameed	2019-ag-2332	M.Phil.	Biochemistry	Sciences	Government College University, Faisalabad	Dr. Mehwish Salman	03-06-2021
63	Mr. Tallah Hassan	2020-ag-82	M.Sc. (Hons.)	Horticulture	Agriculture	Barani Agriculture Research Institute, Chakwal	Ms. Naveeda Anjum	25-06-2021
64	Mr. M. Waris	2005-ag-1010	M.Phil.	Clinical Medicine & Surgery	Veterinary Science	Government Postgraduate College Peoples Colony No. 2, Faisalabad	Dr. Ambreen Ashar	28-06-2021

SN	Name of Student	Regd. No.	Degree	Dept/Inst.	Faculty	Collaborating Institute	Name of co-Supervisor	Date
65	Mr. M. Muzammil Riaz	2015-ag-7932	M.Sc. (Hons.)	Animal Nutrition	Animal Husbandry	Mukhtar Feeds, Sumundri	Dr. Shakeel Amjad	29-06-2021
66	Mr. Raheel Pervaiz	2015-ag-7933	M.Sc. (Hons.)	Animal Nutrition	Animal Husbandry	Mukhtar Feeds, Sumundri	Dr. Shakeel Amjad	29-06-2021
67	Mr. Bilal Ali	2015-ag-7929	M.Sc. (Hons.)	Animal Nutrition	Animal Husbandry	Mukhtar Feeds, Sumundri	Dr. Shakeel Amjad	29-06-2021
68	Mr. Faheem Munawar	2019-ag-291	M.Sc. (Hons.)	Animal Nutrition	Animal Husbandry	Mukhtar Feeds, Sumundri	Dr. Shakeel Amjad	29-06-2021
69	Mr. Junaid ul Hassan	2013-ag-3401	Ph.D.	Plant Pathology	Agriculture	AARI Faisalabad	Dr. M. Rizwan Bashir	29-06-2021
70	Mr. Mian Zia ur Rehman	2020-ag-94	M.Sc. (Hons.)	Horticulture	Agriculture	AARI Faisalabad	Ms. Zarina Yasmin	30-06-2021

PhD Scholars who Conducted Part of Research in Foreign Countries under IRSIP by HEC

The Higher Education Commission (HEC) facilitates the PhD scholars in terms of completing their part of research at technologically advanced countries under International Research Support Initiative Program (IRSIP) by providing financial support to the scholars. During the year 2020-21 following listed scholars visited various countries across the globe for refining their research as per international standards:

SN	Name of Student	Regd.No.	Letter No./Date	Discipline	University Name & Country
1	Ms. Sidra Anam	2010-ag-2924	No. DGS/7388-96, dated 09-07.2020	Microbiology	University of Minnesota, USA
2	Mr. M. Shafqat Rasool	2010-ag-3446	No. DGS/15293-300, dated 01.10.2020	NIFSAT	Rutgers University, New Brunswick, USA
3	Mr. M. Zunair Latif	2011-ag-3950	No. DGS/18673-81, dated 16.11.2020	Plant Pathology	Michigan State University, USA
4	Mr. Sadam Munawar	2009-ag-3018	No. DGS/19500-508, 01.12.2020	CABB	Purdue University, USA
5	Mr. Ali Raza	2008-ag-2521	No.DGS/ 1529-37 Dated: 12-02-2021	Agronomy	University of Minnesota Twin Cities, USA
6	Mr. Salman Asghar	2008-ag-2244	No.DGS/1662-70 Dated: 18-02-2021	Agri. Extension	University of Wisconsin Madison, USA
7	Mr. Ahsan Ali	2009-ag-2254	No.DGS/ 1859-67 Dated: 23-02-2021	Agri. Extension	University of Arizona, USA
8	Ms. Makkia Saleem	2011-ag-4214	No.DGS/ 2073-81 Dated: 01-03-2021	Human Nutrition & Dietetics	University of Groningen, Netherland

SN	Name of Student	Regd.No.	Letter No./Date	Discipline	University Name / Country
9	Ms. Nosheen Naz	2011-ag-4218	No.DGS/ 2198-2208 Dated: 03-03-2021	Human Nutrition & Dietetics	Michigan State University
10	Mr. Jaffar Sattar	2010-ag-2215	No.DGS/ 2266-75 Dated: 03-03-2021	Agricultural Engineering	California Davis, USA
11	Ms. Nukshab Zeeshan	2010-ag-3462	No.DGS/ 2494-2502 Dated: 04-03-2021	Environmental Sciences	California Davis, USA
12	Ms. Zeba Ali	2008-ag-1863	No.DGS/ 2744-53 Dated: 08-03-2021	Plant Breeding & Genetics	James Hutton Institute, Scotland, UK
13	Mr. Saddam Hussain	2010-ag-2327	No.DGS/ 3607-17 Dated: 30-03-2021	Agricultural Engineering	California Davis, USA
14	Mr. Safeer Ud Din	2010-ag-3437	No.DGS/ 3779-87 Dated: 01-04-2021	Horticultural Sciences	University of Florida, USA
15	Mr. M. Ashar Ayub	2011-ag-3001	No.DGS/ 4917-26 Dated: 07-05-2021	Soil Science	University of Florida, USA
16	Ms Maryium Sajjad	2010-ag-3397	No.DGS/ 4906-16 Dated: 07-05-2021	Plant Breeding & Genetics	The James Hutton Institute, Scotland, UK
17	Ms. Farah Ejaz	2011-ag-3408	No.DGS/ 4867-77 Dated: 05-05-2021	Forestry	University of Keil, Germany
18	Mr. M. Imran	2004-ag-1231	No.DGS/ 4878-87 Dated: 05-05-2021	Plant Pathology	Texas A & M University, USA
19	Ms. Fazila Younas	2015-ag-441	No.DGS/ 5127-36 Dated: 21-05-2021	Soil Science	University of Minnesota Duluth, USA
20	Mr. M. Nadeem	2011-ag-3698	No.DGS/5170-79 Dated: 25-05-2021	Soil Science	University of Florida, USA
21	Ms. Sania Zia	2016-ag-38	No.DGS/5569-77 Dated: 08-06-2021	Food Technology	Michigan State University
22	Mr. M. Akhtar	2012-ag-3073	No.DGS/5569-77 Dated: 09-06-2021	Food Technology	University of Illinois at Urbana Champaign

Teaching Assistantship at UAF

The University of Agriculture, Faisalabad (UAF) strives hard to enable the PhD scholars for their professional grooming in terms of research, education and outreach. It is mandatory for all the PhD scholars to serve as teaching assistant at least one semester during the degree so that their teaching capabilities may be sharpened and polished. During the reporting period (2020-21), the scholars as per list below served as Teaching Assistant in their respective Department/Institutes:

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	No./Date	Duration
1.	Mr. Syed M. Faizan	Plant Pathology	Agriculture	2009-ag-3506	No. 14700-07/ DGS: Dated 22.09.2020	One Semester
2.	Mr.M. Asif Javed	Plant Pathology	Agriculture	2008-ag-2932	No. 14700-07/ DGS: Dated 22.09.2020	One Semester
3.	Mr. M. Bilal	Plant Pathology	Agriculture	2011-ag-2570	No. 14700-07/ DGS: Dated 22.09.2020	One Semester
4.	Mr. Mansoor Ahmad	Parasitology	Veterinary Science	2005-ag-1036	No. 14692-99/ DGS: Dated 22.09.2020	One Semester
5.	Mr. Muaz Khalid Chaudhry	Parasitology	Veterinary Science	2005-ag-1147	No. 14692-99/ DGS: Dated 22.09.2020	One Semester
6.	Ms. Amna Faheem	Pharmacy, Physiology & Pharmacology	Veterinary Science	2012-ag-31	No. 14684-91/ DGS: Dated 22.09.2020	One Semester
7.	Ms. Syeda Momina Ishtiaq	Pharmacy, Physiology & Pharmacology	Veterinary Science	2015-ag-392	No. 14684-91/ DGS: Dated 22.09.2020	One Semester
8.	Mr. Hafiz Azhar Rasool	Business Management Sciences	Social Sciences	2012-ag-1443	No. 14676-83/DGS: 22.09.2020	One Semester
9.	Mr. Mortala Boye	Business Management Sciences	Social Sciences	2018-ag-5579	No. 14676-83/DGS: 22.09.2020	One Semester
10.	Mr. M. Mubeen Khadim	Agri. Extension & Rural Development	Social Sciences	2011-ag-3342	No. 14667-75/ DGS: Dated 22.09.2020	One Semester
11.	Mr. M. Kaleem Ullah	Agri. Extension & Rural Development	Social Sciences	2011-ag-3928	No. 14667-75/ DGS: Dated 22.09.2020	One Semester
12.	Ms. Kashaf Yaseen	Microbiology	Veterinary Science	2011-ag-3809	No. 14708-11/DGS: 22.09.2020	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
13.	Mr. Umar Khalid	Microbiology	Veterinary Science	2009-ag-3280	No. 14708-11/DGS: 22.09.2020	One Semester
14.	Mr. Shahid Nadeem	Microbiology	Veterinary Science	2002-ag-430	No. 14708-11/DGS: 22.09.2020	One Semester
15.	Ms. Sidra Aslam	Microbiology	Veterinary Science	2001-ag-542	No. 14708-11/DGS: 22.09.2020	One Semester
16.	Mr. Sajid Nisar	Microbiology	Veterinary Science	2011-ag-2466	No. 14708-11/DGS: 22.09.2020	One Semester
17.	Mr. Rana M. Abdullah	Microbiology	Veterinary Science	2009-ag-3348	No. 14708-11/DGS: 22.09.2020	One Semester
18.	Mr. Muhammad Luqman	Microbiology	Veterinary Science	2015-ag-2390	No. 14708-11/DGS: 22.09.2020	One Semester
19.	Mr. Abdul Jabbar	Microbiology	Veterinary Science	96-ag-1314	No. 14708-11/DGS: 22.09.2020	One Semester
20.	Mr. Bakhtawar Maqbool	Microbiology	Veterinary Science	2010-ag-2487	No. 14708-11/DGS: 22.09.2020	One Semester
21.	Mr. Sanaullah Sajid	Microbiology	Veterinary Science	2011-ag-2512	No. 14708-11/DGS: 22.09.2020	One Semester
22.	Ms. Nishat Zafar	Microbiology	Veterinary Science	2018-ag-4546	No. 14708-11/DGS: 22.09.2020	One Semester
23.	Ms. Shafaq Nisar	Chemistry	Sciences	2014-ag-1464	No. 14718-25/DGS: 22.09.2020	One Semester
24.	Ms. Marium Khaliq	Chemistry	Sciences	2016-ag-5936	No. 14718-25/DGS: 22.09.2020	One Semester
25.	Ms. Maryam Hanif	Chemistry	Sciences	2014-ag-1991	No. 14718-25/DGS: 22.09.2020	One Semester
26.	Ms. Hina Ambreen	Physics	Sciences	2018-ag-4547	No. 14739-46/DGS: 23.09.2020	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
27.	Ms. Iram Jameel	Botany	Sciences	20-15-ag-10	No. 15571-78/DGS: 06.10.2020	One Semester
28.	Ms. Tayyaba Idrees	Botany	Sciences	2016-ag-3693	No. 15571-78/DGS: 06.10.2020	One Semester
29.	Ms. Zunaira Bano	Botany	Sciences	2016-ag-363	No. 15571-78/DGS: 06.10.2020	One Semester
30.	Ms. Ansa Asghar	Botany	Sciences	2014-ag-8580	No. 15571-78/DGS: 06.10.2020	One Semester
31.	Ms. Sana Basharat	Botany	Sciences	2013-ag-1789	No. 15571-78/DGS: 06.10.2020	One Semester
32.	Mr. Imran Abdullah	Botany	Sciences	2015-ag-1414	No. 15571-78/DGS: 06.10.2020	One Semester
33.	Ms. Haleema Sadia	Botany	Sciences	2013-ag-1118	No. 15571-78/DGS: 06.10.2020	One Semester
34.	Ms. Syeda Majid	Botany	Sciences	2014-ag-8743	No. 15571-78/DGS: 06.10.2020	One Semester
35.	Mr. Zohaib Raza	Forestry & Range Management	Agriculture	2011-ag-3929	No. 16347-54/DGS: Dated 21.10.2020	One Semester
36.	Ms. Iqra Summan	Horticultural Sciences	Agriculture	2009-ag-3010	No. 16339-46/DGS: Dated 21.10.2020	One Semester
37.	Mr. M. Usman Bari	Physiology and Pharmacology	Veterinary Science	2016-ag-1739	No.2166-73/DGS: Dated: 02.03.2021	One Semester
38.	Mr. M. Jawad Aslam	Physiology and Pharmacology	Veterinary Science	2011-ag-2463	No.2166-73/DGS: Dated: 02.03.2021	One Semester
39.	Ms. Komal Jabeen	Physiology and Pharmacology	Veterinary Science	2016-ag-423	No.2166-73/DGS: Dated: 02.03.2021	One Semester
40.	Ms. Amna Faheem	Physiology and Pharmacology	Veterinary Science	2012-ag-31	No.2166-73/DGS: Dated: 02.03.2021	One Semester
41.	Mr. Muhammad Waseem Tahir	Pathology	Veterinary Science	2005-ag-1121	No.2158-65/DGS: Dated: 02.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
42.	Mr. M. Yasir Nawaz	Pathology	Veterinary Science	2015-ag-461	No.2158-65/ DGS: Dated: 02.03.2021	One Semester
43.	Ms. Sajida Mustafa	Zoology, Wildlife & Fisheries	Sciences	2016-ag-1765	No.2190-97/ DGS: Dated: 02.03.2021	One Semester
44.	Ms. Lareb Saeed	Zoology, Wildlife & Fisheries	Sciences	2013-ag-291	No.2190-97/ DGS: Dated: 02.03.2021	One Semester
45.	Mr. M. Sarfaraz Ahmed	Zoology, Wildlife & Fisheries	Sciences	2015-ag-1854	No.2190-97/ DGS: Dated: 02.03.2021	One Semester
46.	Mr. Waqar Majeed	Zoology, Wildlife & Fisheries	Sciences	2015-ag-2312	No.2190-97/ DGS: Dated: 02.03.2021	One Semester
47.	Mr. Talha Azeem	Business Management Sciences	Social Sciences	2018-ag-4551	No.2213-20/ DGS: Dated: 04.03.2021	One Semester
48.	Ms. Shahida Parveen	Business Management Sciences	Social Sciences	2018-ag-4550	No.2213-20/ DGS: Dated: 04.03.2021	One Semester
49.	Mr. Abdul Rehman Sessay	Animal and Dairy Sciences	Animal Husbandry	2019-ag-3617	No.2471-79/ DGS: Dated: 04.03.2021	One Semester
50.	Ms. Nida Fatima	Agri. Extension, Education and Rural Development	Social Sciences	2018-ag-4543	No.2462-70/ DGS: Dated: 04.03.2021	One Semester
51.	Mr. Zaheer Abbas	Parasitology	Veterinary Science	2009-ag-3491	No.2454-61/ DGS: Dated: 04.03.2021	One Semester
52.	Mr. Zohaib Saeed	Parasitology	Veterinary Science	2011-ag-2385	No.2454-61/ DGS: Dated: 04.03.2021	One Semester
53.	Ms. Saba Mehnaz	Parasitology	Veterinary Science	2011-ag-2408	No.2454-61/ DGS: Dated: 04.03.2021	One Semester
54.	Ms. Sana Arif	Animal and Dairy Sciences	Animal Husbandry	2016-ag-289	No.2454-61/ DGS: Dated: 04.03.2021	One Semester
55.	Mr. M. Tasneem	Agronomy	Agriculture	2005-ag-1583	No.2666-74/ DGS: Dated: 08.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
56.	Ms. Faryal Ali	Agronomy	Agriculture	2019-ag-2617	No.2666-74/ DGS: Dated: 08.03.2021	One Semester
57.	Ms. Amara Farooq	Soil & Environmental Sciences	Agriculture	2012-ag-3181	No.2657-65/ DGS: Dated: 08.03.2021	One Semester
58.	Ms. Kashiuf Asif	Soil & Environmental Sciences	Agriculture	2012-ag-3595	No.2657-65/ DGS: Dated: 08.03.2021	One Semester
59.	Mr. Samiullah	Plant Pathology	Agriculture	2015-ag-1899	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
60.	Ms. Andleeb Zulfiqar	Plant Pathology	Agriculture	2016-ag-916	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
61.	Mr. M. Usman Ali	Plant Pathology	Agriculture	2012-ag-2970	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
62.	Mr. Shahid Iqbal	Plant Pathology	Agriculture	2010-ag-3781	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
63.	Ms. Amna Arshad	Plant Pathology	Agriculture	2010-ag-3752	No.2630-39/ DGS: Dated: 08.03.2021	One Semester
64.	Mr. Rizwan Mehmood	Entomology	Agriculture	2011-ag-3498	No.2612-20/ DGS: Dated: 08.03.2021	One Semester
65.	Ms. Zeba Bashir	Rural Sociology	Social Sciences	2014-ag-9228	No.2595-2603/ DGS: Dated: 08.03.2021	One Semester
66.	Mr. M. Shabbir	Mathematics & Statistics	Sciences	2002-ag-499	No.2586-94/ DGS: Dated: 08.03.2021	One Semester
67.	Mr. M. Uzair	Plant Breeding & Genetics	Agriculture	2011-ag-3457	No.2710-18/ DGS: Dated: 08.03.2021	One Semester
68.	Mr. Ghulam Shabir	Plant Breeding & Genetics	Agriculture	2011-ag-3132	No.2710-18/ DGS: Dated: 08.03.2021	One Semester
69.	Ms. Noreen Fatima	Plant Breeding & Genetics	Agriculture	2011-ag-2109	No.2710-18/ DGS: Dated: 08.03.2021	One Semester
70.	Mr. Sajid Hussain	Plant Breeding & Genetics	Agriculture	2011-ag-2934	No.2710-18/ DGS: Dated: 08.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
71.	Ms. Sana-e-Mustafa	Plant Breeding & Genetics	Agriculture	2012-ag-3316	No.2710-18/ DGS: Dated: 08.03.2021	One Semester
72.	Ms. Rabia	Agri. Extension and Rural Development	Social Sciences	2011-ag-3540	No.2702-09/ DGS: Dated: 08.03.2021	One Semester
73.	Ms. Zofishan Mahmood	Chemistry	Sciences	2014-ag-1608	No.2831-38/ DGS: Dated: 09.03.2021	One Semester
74.	Ms. Farwa Nadeem	Chemistry	Sciences	2014-ag-1220	No.2831-38/ DGS: Dated: 09.03.2021	One Semester
75.	Mr. Ahmad Hassan	Chemistry	Sciences	2019-ag-2619	No.2831-38/ DGS: Dated: 09.03.2021	One Semester
76.	Ms. Hafsa Naeem	Biochemistry	Sciences	2010-ag-1497	No.2604-11/ DGS: Dated: 08.03.2021	One Semester
77.	Mr. Masood Sadiq	Clinical Medicine & Surgery	Veterinary Science	2015-ag-338	No.2649-56/ DGS: Dated: 08.03.2021	One Semester
78.	Mr. Hasham Feroz	CABB	Agriculture	2016-ag-810	No.2675-83/ DGS: Dated: 08.03.2021	One Semester
79.	Ms. Sana Riaz	CABB	Agriculture	2003-ag-1557	No.2675-83/ DGS: Dated: 08.03.2021	One Semester
80.	Ms. Dur-e-Shahwar	CABB	Agriculture	2003-ag-1753	No.2675-83/ DGS: Dated: 08.03.2021	One Semester
81.	Mr. Abdullah Bin Umer	CABB	Agriculture	2011-ag-3185	No.2675-83/ DGS: Dated: 08.03.2021	One Semester
82.	Ms. Marriam Nasir	CABB	Agriculture	2011-ag-3464	No.2675-83/ DGS: Dated: 08.03.2021	One Semester
83.	Mr. M. Hasnain Khan	Forestry & Range Management	Sciences	2012-ag-3371	No.2621-29/ DGS: Dated: 08.03.2021	One Semester
84.	Mr. M. Asif Jamal	Agronomy	Agriculture	2016-ag-2375	No.2693-2701/ DGS: Dated: 08.03.2021	One Semester
85.	Ms. Effat Yasin	Physics	Sciences	2006-ag-629	No.2684-92/ DGS: Dated: 08.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
86.	Mr. M. Zaferullah Kazim	Physics	Sciences	2019-ag-2621	No.2684-92/ DGS: Dated: 08.03.2021	One Semester
87.	Mr. M. Khawar Abbas	Physics	Sciences	2006-ag-691	No.2684-92/ DGS: Dated: 08.03.2021	One Semester
88.	Ms. Noor ul Huda Altaf	Physics	Sciences	2014-ag-2631	No.2684-92/ DGS: Dated: 08.03.2021	One Semester
89.	Mr. Samiullah	Plant Pathology	Agriculture	2015-ag-1809	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
90.	Ms. Andleeb Zulfiqar	Plant Pathology	Agriculture	2016-ag-916	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
91.	Mr. M. Usman Ali	Plant Pathology	Agriculture	2012-ag-2970	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
92.	Mr. Shahid Iqbal	Plant Pathology	Agriculture	2010-ag-3781	No.2640-48/ DGS: Dated: 08.03.2021	One Semester
93.	Mr. M. Ilyas	Agricultural & Resource Economics	Social Sciences	2018-ag-4548	No.2812-20/ DGS: Dated: 09.03.2021	One Semester
94.	Ms. Anisa Riaz	Rural Sociology	Social Sciences	2009-ag-736	No.2821-30/ DGS: Dated: 09.03.2021	One Semester
95.	Mr. M. Talha Adil	Theriogenology	Veterinary Sciences	2010-ag-2438	No.2909-16/ DGS: Dated: 10.03.2021	One Semester
96.	Ms. Farwa Saleem	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2013-ag-3712	No.2897-2904/ DGS: Dated: 10.03.2021	One Semester
97.	Ms. Rabia Kanwar	Microbiology	Veterinary Science	2012-ag-2852	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
98.	Ms. Nishat Zafar	Microbiology	Veterinary Science	2018-ag-4546	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
99.	Ms. Azka Qadeer	Microbiology	Veterinary Science	2015-ag-906	No.2888-96/ DGS: Dated: 10.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
100.	Ms. Sehrish Nayab	Microbiology	Veterinary Science	2016-ag-2896	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
101.	Mr. M. Asif	Microbiology	Veterinary Science	2001-ag-484	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
102.	Mr. Saad Zafar	Microbiology	Veterinary Science	2011-ag-2402	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
103.	Mr. M. Basit Hussain Haider	Microbiology	Veterinary Science	2012-ag-3631	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
104.	Mr. Faisal Masoud	Microbiology	Veterinary Science	2007-ag-1510	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
105.	Mr. Fayyaz Ahmad	Microbiology	Veterinary Science	2003-ag-2126	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
106.	Ms. Bakhtawar Maqbool	Microbiology	Veterinary Science	2010-ag-2487	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
107.	Mr. Shahid Nadeem	Microbiology	Veterinary Science	2002-ag-430	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
108.	Mr. Rana M. Abdullah	Microbiology	Veterinary Science	2009-ag-3348	No.2888-96/ DGS: Dated: 10.03.2021	One Semester
109.	Mr. M. Haris	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2010-ag-3881	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
110.	Mr. M. Arslan Akram	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2011-ag-2288	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
111.	Mr. Usman Amin	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2011-ag-2950	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
112.	Ms. Zaira Khan	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2012-ag-3877	No.2496-53/ DGS: Dated: 11.03.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
113.	Ms. Sadia Kafeel	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2013-ag-3697	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
114.	Ms. Mehwish Arshad	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2016-ag-587	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
115.	Mr. Syed Muhammad Abrar-ul-Haq	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2017-ag-253	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
116.	Ms. Neelum Shahzadi	National Institute of Food Science & Technology	Food Nutrition & Home Sciences	2011-ag-4261	No.2496-53/ DGS: Dated: 11.03.2021	One Semester
117.	Ms. Hira Azhar	Soil & Environmental Sciences	Agriculture	2012-ag-3301	No.3182-90/ DGS: Dated: 17.03.2021	One Semester
118.	Ms. Amber Samuail	Soil & Environmental Sciences	Agriculture	2016-ag-2485	No.3182-90/ DGS: Dated: 17.03.2021	One Semester
119.	Ms. Sundas Jabeen	Soil & Environmental Sciences	Agriculture	2016-ag-2483	No.3182-90/ DGS: Dated: 17.03.2021	One Semester
120.	Ms. Maria Murtaza	Soil & Environmental Sciences	Agriculture	2018-ag-4540	No.3182-90/ DGS: Dated: 17.03.2021	One Semester
121.	Mr. M. Imran Zahid	Plant Breeding & Genetics	Agriculture	97-ag-1298	No.3101-09/ DGS: Dated: 16.03.2021	One Semester
122.	Mr. Saeed ur Rehman Aziz	Irrigation & Drainage	Agri. Engg. & Technology	2009-ag-3158	No.3116-23/ DGS: Dated: 16.03.2021	One Semester
123.	Mr. HusnainButt	Plant Pathology	Agriculture	2009-ag-2976	No.3217-/ DGS: Dated: 17.03.2021	One Semester
124.	Mr. M. Shabbir	Mathematics & Statistics	Sciences	2002-ag-499	No.3409-16/ DGS: Dated: 24.03.2021	One Semester
125.	Mr. Tayyab Zeeshan Shahid	Agricultural & Resource Economics	Social Sciences	2013-ag-439	No.4275-83/ DGS: Dated: 14.04.2021	One Semester

SN	Name of Student	Department/ Institute	Faculty	Regd. No.	Letter No./ Date	Duration
126.	Mr. M. Salman Waseem	Agricultural & Resource Economics	Social Sciences	2013-ag-248	No.4275-83/ DGS: Dated: 14.04.2021	One Semester
127.	Ms. Abida Abid	Botany	Sciences	2012-ag-34	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
128.	Ms. Zunaira Bano	Botany	Sciences	2016-ag-363	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
129.	Ms. Iram Ijaz	Botany	Sciences	2015-ag-570	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
130.	Ms. Reema Arshad	Botany	Sciences	2014-ag-841	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
131.	Ms. Mehwish Noor	Botany	Sciences	2013-ag-1790	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
132.	Ms. Balqees Kanwal	Botany	Sciences	2017-ag-2834	No.4264-72/ DGS: Dated: 14.04.2021	One Semester
133.	Ms. Sana Basharat	Botany	Sciences	2013-ag-1789	No.4264-72/ DGS: Dated: 14.04.2021	One Semester

Consultancy Agreement

The scientists at University of Agriculture, Faisalabad (UAF) share their skills and expertise with the private sector to solve their problems and to serve the community in a better way. The following scientist provided consultancy services to the industry during the year 2020-21.

SN	Title of Project	Name of PI with Designation, Department	Company Details (Name, Country, etc.)	Contract Value (Rs.)	Date
1	Assessment of Carbon Neutrality Potential Tree in Textile Sector of Punjab Pakistan	Dr. Muhammad Farrakh Nawaz, Forestry and Range Management	Enviro Steward Company Pvt. Ltd.	0.04	01-07-2020
2	Agreement working on new segment in animal feed in Pakistan	Dr. M. Sharif, Associate Professor, Animal and Dairy Science	AB Mauri Pakistan Pvt. Ltd.	0.35	09-10-2020

SN	Title of Project	Name of PI with Designation, Department	Company Details (Name, Country, etc.)	Contract Value (Rs.)	Date
3	Promote small agri-business in rural areas for poverty alleviation	Dr. Ijaz Ashraf, Associate Professor, IAEE&RD	Rizvi Dairy Farm & Ahsan Feed Mills	0.06	04-05-2021

Central Hi-Tech Laboratory

The University of Agriculture, Faisalabad (UAF) as established an ISO certified Central Hi-Tech Lab. with highly sophisticated equipment for providing analysis services to the students, faculty members and civil society at large on subsidized rates. The analysis services are also extended for other R&D Institutes and universities including HEC and PCSIR Programs "Access to scientific Instrumentation". During the year 2020-21, the Hi-tech Lab provided following facilities:

Quarter	No of sample	Income Generated PKR
1-7-2020 - 30-9-2020	1261	96,500
1-10-2020 - 31-12-2020	2001	2,91,400
1-1-2021 - 31-3-2021	1343	3,20,250
1-4-2021 - 30-6-2021	1450	3,82,410
Total	6055	1110110

Number of students/project/private organizations provided analysis facilities during 2020-2021

Quarter	Number of Students/Project Provided Analysis Facilities 2020-2021			
	M.Phil.	PhD	Projects	Private Organization
1-07-2020 - 30-9-2020	44	9	3	Nil
1-10-2020- 31-12-2020	67	20	1	Nil
1-01-2021 - 31-3-2021	43	21	3	4
1-04-2021 - 30-6-2021	62	10	10	4
Total	216	60	17	8

Sample analysis facilities provided to other universities (2020-2021)

SN	University/ Institute	No of Samples
Scanning Electron Microscope		
1	Govt.College University Faisalabad	88
2	Bahauddin Zakariya University Multan	10
3	University of Sargodha	7
4	PMAS Arid Agri. University Rawalpindi	3

SN	University/ Institute	No of Samples
5	Islamia University Bahawalpur	5
6	Khawaja Farid University of Engineering & Tech. Rahim Yar Khan	23
7	University of Engineering and Technology Texila	2
8	Govt. College Women University Multan	4
9	Lahore College for Women University Lahore	16
10	University of Gujrat	10
11	Ghulam Ishaq Khan Institute of Engineering Science & Technology KPK	03
12	Allama Iqbal Open University Islamabad	15

High Pressure Liquid Chromatography (HPLC)

1	Uni. of Punjab Lahore	16
2	Govt. College University Faisalabad	15
3	Christian College Lahore	4
4	Islamia University Bahawalpur	4
5	Govt. College Women University Faisalabad	2
6	University of Sargodha	40
7	Vet. And Animal Sciences Jhang	11

Atomic Absorption Spectrophotometry (AAS)

1	University of Education Faisalabad Campus	3
2	UAF Sub Campus Depalpur (Okara)	48
3	Govt. College University Faisalabad	52
4	Govt. College Women University Faisalabad	343
5	The University of Faisalabad (TUF)	12
6	University of Gujrat	35



COMMERCIALIZATION AT UAF

Business Incubation Center (BIC)

Background

Innovation is the science of new ideas, creativity and value addition which results in new products, services and business models, contributing to enterprise's growth. These innovative enterprises then explore new business horizons including novel consumer needs and devising better ways to their needs creating value for their shareholders. However, some aspiring entrepreneurs find it difficult to translate their business ideas into actual businesses, minor limitations can stagnate their growth and render their efforts fruitless. In order to facilitate these budding entrepreneurs and researchers a Business Incubation Center was established at The University of Agriculture, Faisalabad in 2009, to translate the research findings of scientists/researchers of the university into new products and technologies. Academia affiliated business incubators help in transferring technology from universities and create linkage of subject matter experts with the business community, a system for bringing technological advances and products to the market

Introduction

BIC supports startups by providing an array of services. It facilitates entrepreneurs with well-equipped laboratories, extensive libraries and powerful computer systems. BIC conducts different types of capacity building programs for mentoring startups. It also provides regular assistance in preparation and implementation of feasibilities and business plans. BIC actively participates in securing finance for new ventures on sustainable basis.

The major goal of BIC is to produce successful firms that will leave the program financially viable and freestanding. For this purpose, it takes different initiatives such as business plan competitions, workshops relating to business plans, seminars. The center provides a platform to young entrepreneurs for the development of their own startups. BIC also provides opportunities to strengthen ties between the educational institutions and the local business community.

Objectives

University of Agriculture, Faisalabad Business Incubation Center established with the following objectives:

- Provide management guidance, technical assistance and consulting tailored to young growing companies
- Develop start-up and fledgling companies by providing entrepreneurs with an array of targeted resources and services
- Create linkages between academic/ R&D institutions and private sector, aimed at creating knowledge-based enterprises.
- Facilitate entrepreneurs with well-equipped laboratories, extensive libraries, powerful computer systems, technological expertise, a well-trained workforce and subject matter experts
- Promote innovative research-based initiatives.
- Develop start-up and fledgling companies by providing entrepreneurs with an array of targeted resources and services.
- Encouraging entrepreneurship in the University.

Services Offered at BIC, UAF

Physical infrastructure

Incubatees are provided with office space including reception services, shared meeting room, internet access, product display, exhibition hall and secure environment.

Technical & Managerial Assistance

This service allows incubatees to access university faculty resources and gear-up their engineering and managerial capability.

Access to Labs

Incubatees are provided access to labs of the University.

Access to Funding Sources

BIC helps incubatees to apply and get funds for developing prototype and commercialization of their respective product, in order to get them ready for venture capital funding.

Mentorship

BIC assists in formulation of business and market plans. It also provides management guidance and finding suitable markets for the products.

List of Incubatees

Following is the list of the companies that are still in their Incubation Phase:

SN	Company Name	Sector
1	Taaber (organic honey)	Agriculture
2	Ms Guiltless Pleasure	Food and Beverages
3	Minsol Consultants Pvt Limited	Agriculture
4	Health Line Pakistan	Health
5	MS Micro Star X Software House and Computer College	Information Technology
6	Green Pro - Biofertilizer	Agriculture
7	Digital Velocity Probe	Information Technology
8	Biosoil Fertilizer	Agriculture
9	Water Monitoring System	Engineering
10	Textile Value Chain Consultancy Service	Textile
11	Vets Pets Consultancy	Veterinary
12	G.M. Fattening Farm	Agriculture
13	H.N. Mineral Mix	Agriculture
14	Paradise Inn Girls Hostel	Hospitality
15	King Pet Clinic	Veterinary
16	Milk Adulteration Tester	Agriculture
17	Plants Universe	Agriculture
18	Darzi Saab	Textile
19	Solar Smart Gadgets	Energy

Graduated Companies

After spending a given amount of time at the Incubator, it is compulsory for an incubatee company to be graduated from the Incubator. In order to qualify for graduation, the said company/incubatee must satisfy the following criteria:

- If the incubatee has spent 18 months at the Incubator
- In-case the project has not been completed in 18 months then the incubatee would be given an additional 2-6 months
- Once the incubated company has achieved the milestones mentioned in the business plan
- The company has transferred technology to another party or has a solid plan that would allow it to operate successfully outside the Incubator
- Space requirement of the incubatee company exceeds the capacity of the Incubator
- If the incubatee fails to meet the quarterly targets twice in a calendar year
- If the review committee decides that the project is no longer viable
- If the incubatee violates the tenancy agreement

Following is the list of the companies that graduated from BIC's (UAF) platform:

SN	Name of Company	Team Leader	Brief Business Idea
1	Roshan Entreprises	Quasim Aijaz	The company is involved in nursing Kino
2	Agrow Pvt. Ltd.	A Tahir Kahn	The company manufactures organic perfumes
3	Safah International	Adeal Sarfraz	The company is involved in IMP. EXP & General order Supplies
4	Abdul Samad & Co.	Abdul Samad	The company is manufacturing thermocouples for ambient air temperature control for poultry sheds
5	Gemmo Pharma	Dr Bajwa	The company is involved in formulation and marketing of gemmo products
6	Ali Akbar Group	Saad	The company is involved in research and marketing of agrochemicals, seeds, fertilizer & micronutrients, highly efficient irrigation system and services to the farmers
7	Pak China, Entreprises	Syed Ahmed	The company is manufacturing and distributing solar products
8	M/s Sanna Labs	Dr M Nadeem Sarwar	The company is involved in marketing of Veterinary pharmaceutical products in all Provinces of Pakistan
9	Green Revolution	Ataullah	The company is involved in Agricultural Input and Fuel Retailing
10	Agri Tech Pvt.	Shahid Rahim	The company is involved in manufacturing Agricultural Implements
11	Cure MD Pak	Zain Raza Hashmat	The company is a web based HER application for Veterinary practices and Hospitals
12	UM Enterprises	Dr. Gulfam Syed	The company is involved in livestock pharmaceuticals

SN	Name of Company	Team Leader	Brief Business Idea
13	Noorani Industries	Abbas Noorani	The company is involved in manufacturing, Assembling, and fabrication of agricultural machinery
14	Tella Foods	Faiza Waheed Khan	The company is providing whole almond based iron fortified energy
15	MU. Entreprises	Umair Zafar	The company is involved in manufacturing, Assembling, and fabrication of agriculture machinery
16	A.Zee Collection	Abida Aziz	The startup company is selling handicrafts and traditional dresses
17	M.s Agri Entrepreneurs	Zeeshan Aslam	The startup company is manufacturing and distributing NATEX Flavored Soda Water
18	Energy Alternatives	Muhammad Altaf	The Incubatee is involved in installation of commercial, residential, and agricultural PV plants
19	I CON Fashions	Shahbaz Ahmad	The company is trading Apparel Garments
20	LMS Entreprises	M. Rehan Ikram	The startup is producing and marketing of feed supplements to enhance the productivity of livestock
21	M/s. OAKs KOREA	Seo JungOak	The Incubatee is involved in processing of dairy products
22	IRDC	Amir Hamza Niazi	The company is involved in Hybrid Solar-biogas powered agriculture farm 1000 Acres
23	Pakissan	Dr. Jehanzed Masud Cheema	The company is involved in Agricultural IT & ICT Services
24	Agritourism	Tariq Tanveer	The company is called ATDCP (Atdcpakistan.com). It is a non-government, non-profitable organization pioneer company in Pakistan organizing agricultural events, Agri-field trips and activities
25	Green Heavens Landscape	Umar Farooq	The company is providing complete landscape solutions with very good innovative
26	MAK Snacks	MS Huma	The company provide freshly prepared & customized homemade Bakery & Food Products
27	Opstudios	Aasma Khalid	The company provides Web development, Photography & Cinematography services
28	Ornate Baskets	Amina Ali	The startup arranges events and customized Gift Baskets
29	Needlecord	Hassan Maqbool	The company is involved in manufacturing of ladies clothing

BIC Organized On-Line Orientation Session for the Researchers at UAF Sub-Campuses

The Office of Research Innovation and Commercialization (ORIC) makes utmost efforts to streamline the research system at UAF through various approaches like orientation and capacity building sessions, notifications and literature helpful for the researchers. On November 24, 2020, an on-line session was organized to capacitate the researchers at UAF-Sub- Campuses i.e. Burewala (Vehari) Toba Tek Singh and Depalpur (Okara). All the faculty members along with their principals participated in the session. Prof. Dr. Zahir Ahmad Zahir, Director ORIC formally welcomed the participants and briefed them about the agenda of session. He presented ORIC initiatives, incentives for the faculty and guidance about how to write a winning proposal with prime focus of "Call for Proposal" by PARB. He also highlighted the policy framework of UAF for project execution. Dr. Abdul Rashid, Manager, Research Operation & Development discussed the SOPs for projects related activities especially recruitment of project staff. Dr. Abdul Naveed, Publication and Communication Specialist highlighted key features of hunting grant for organizing seminar, workshop, symposia or Travel Grants. Dr. Khuram Zia, Manager, Academia Industry Linkages highlighted key features of UAF commercialization policy, process of Patenting/Trademark and various incentives for the faculty members for commercializing any technology, process or product. How UAF researches can serve the community through consultancies was also the part of his presentation. Mr. Imran Munawar, In-charge, BIC talked about the entrepreneurial ecosystem at UAF. He sensitized the researchers to motivate the students for start-up companies. After question answer session, on the behalf of ORIC, Dr. Abdul Rashid, thanked all the participants for joining the session.



Hult Prize Start-Up Competition 2020

Business Incubation Center, UAF in collaboration with Hult Prize arranged a startup competition. Around, 161 teams registered for the event. University students also participated in the learning sessions arranged by Hult Team. These sessions were focused on enhancing students entrepreneurial skills. Due to Covid19, this start-up competition was conducted virtually. The said event was organized on 9th December, 2020.

Momina Ahsan, being the Campus Director for Hult Prize program along with her core team members were on campus while others joined them virtually. Mr. Imran Munawar – Incharge BIC, Yasir Rasool – Visiting Lecturer, UAF, Wali Zahid – CEO Skills City and Asad-ur-Rehman – Ex-Campus Director, served as Judges. Top 11 teams scrutinized earlier were asked to present their ideas. After threadbare discussion, top 3 teams were selected for National Competition.

Next day, during closing ceremony Mr. Imran Munawar discussed the shortcomings of ideas pitched by students. Mr. Yasir Rasool, announced the awards for organizing team and Mr. Asad ur Rehman announced the winning teams. The ceremony ended with the keynote by Mr. Wali Zahid.

Dr. Zahir Ahmad Zahir, Director ORIC appreciated the efforts of core team of Hult Prize. He also acknowledged the support provided by the judges, speakers and sponsors.



SBP Awareness Session for Potential Entrepreneurs

Business Incubation Center, UAF supports startups through conducting various awareness sessions, workshops and innovation challenges. BIC with collaboration of the State Bank of Pakistan conducted an awareness session for potential entrepreneurs. The said session was conducted online on 16th Dec, 2020. Mr. Muhammad Akbar, Deputy Chief Manager welcomed the participants. Mr. Muhammad Shan, Assistant Chief Manager (FEOD) briefed students about foreign trade regulations. He also introduced students about various financial schemes offered by SBP to SME's and startups. The session helped students to understand the working of Central Bank. This promising opportunity guided students in transforming their innovative ideas into successful businesses.

BIC, UAF delegate visits top notch educational institutes and incubators of FAISALABAD

Business Incubation Center (BIC), UAF, and representatives of Punjab Information Technology Board (PITB) visited various educational institutes and business incubators for the outreach of the Plan-9 Launchpad event. The delegate was comprised of Muhammad Imran Munawar, In-charge, BIC, and Mr. Awais Aslam, Manager PITB. The main aim of the visits was to motivate and sensitize startups to come up with viable business ideas to be presented in the upcoming Plan-9 Launchpad Event. The flagship event shortlisted ten best business ideas to be incubated. The program offered the following services: Monthly Stipend, Office space, Networking Opportunities, Mentorship, Business Development Assistance, Legal Assistance.

Regional plan 9 orientation session

Business Incubation Center UAF conducted the orientation session of new Incubatees at Regional Plan9 center UAF. The Incubation Manager Plan 9 Muhammad Awais Aslam and Focal Person for the program Imran Munawar (Incharge, BIC) welcomed the startups. The startups were given an opportunity to meet the team and network with fellow incubatees. The startups participated enthusiastically by sharing their pitches. They were briefed about the key benefits and responsibilities.

Visit of IGNITE team to uaf

Ignite team comprising of Mr. Muhammad Umer Akram, Manager Projects and Mr. Usman Bin Tahir, Manager Procurement visited the University of Agriculture, Faisalabad on July 26, 2021. The agenda of the visit was to explore different areas of collaboration. Prof. Dr. Zahir Ahmad Zahir (Director, ORIC) welcomed the honorable guests and briefed them about the major functions of ORIC, UAF. Mr. Imran Munawar (Incharge, BIC) shared current progress and milestones achieved by Business Incubation Center, UAF. During the meeting, the option of development of Agri-Focused Incubation Center at UAF was also discussed. The guests appreciated the contribution of UAF to the Innovation landscape of Pakistan.

Women in stem entrepreneurship boot camp

Business Incubation Center UAF in collaboration with Stimulus Private Limited organized a two-day Women in STEM entrepreneurship boot camp. The Boot camp helped startups to understand: Market Segmentation, Business Modeling, Value Proposition, Customer Life Cycle. Ms. Hira Wajahat Malik the facilitator for the program guided startups on how to transform their ideas into market-ready products and services. Mr. Imran Munawar, Incharge BIC said that Women Entrepreneurship Index of Pakistan is on the very lower side. Startups should utilize this boot camp to transform innovative ideas into products and services. Prof. Dr. Zahir Ahmad Zahir (Director, ORIC) appreciated Business Incubation Center UAF and ORIC UAF team for conducting this interactive session. He also motivated students and startups to refine their business ideas and launch their businesses and become job providers instead of job seekers.

Meeting with australian high commissioner

The Australian High Commissioner, Pakistan, HE Dr. Geoffrey Shaw, Country Manager (ACIAR), Mr. Munawar Kazmi, Political Secretaries, Ms. Ashleigh Light, Ms. Lauren Waugh, and Program Officer Mateen Amin had a meeting with Mr. Imran Munawar, Incharge Business Incubation Center, UAF. The purpose of the meeting was to do an introductory call and share alumni experiences after coming back from Australia. Mr. Imran Munawar briefed the team about the current progress of the Business Incubation Center at UAF. He also shared various initiatives of BIC that helped in promoting women's entrepreneurship. Dr. Shaw appreciated

the contribution of the University of Agriculture, Faisalabad to the entrepreneurial landscape of Pakistan. Many options for collaboration were also discussed in the said meeting.



MoU signing ceremony between University of Agriculture and BOP

University of Agriculture Faisalabad - Official and The Bank of Punjab inked a Memorandum of Understanding at the Syndicate Room, UAF. The Scope of this MoU is to establish a working relationship between the parties to benefit fresh UAF graduates.

Benefits:

- Provision of finance facilities to fresh graduates / farmers associated with UAF
- Paid internship to selected University graduates by BOP
- BOP Agri Credit Job offerings on priority basis to UAF Graduates
- Sponsorships for Startup Competitions
- Clean Financing to Small Farmers

Prof. Dr. Iqrar Ahmad Khan (S.I.), Vice Chancellor University of Agriculture, Faisalabad, highlighted that access to finance is one of the major challenges faced by small farmers. The collateral requirement by the financial institutes is a big hindrance towards easy access to finance.

The Vice Chancellor said we need to motivate our young population to get involved in Agriculture. He expressed that Agri-Entrepreneurship is the way forward and suggested BOP to introduce clean financing scheme that can help early stage Agri-Startups. He said these kinds of diverse partnerships are crucial to benefit rural community. Ms. Alia Zafar, Group Head People and Organizational Excellence Group, BOP, said that financial inclusion is an important step towards inclusive growth. It helps in the overall economic development of the rural population. Mr. Asif Riaz, Group Head Retail and Priority Sector Lending, BOP introduced about innovative products of BOP that are currently benefiting small farmers and rural community. Mr. Sarfraz Hussain, Head Agriculture Credit Division, BOP said that subject collaboration will be beneficial for both organizations.

Prof. Dr. Anas Sarwar Qureshi Pro-Vice Chancellor, UAF also graced the occasion. Prof. Dr. Zahir Ahmad Zahir, Director ORIC, Dr. Abdul Rashid (ORIC), Dr. Abdul Naveed (ORIC), Dr. Khurram Zia (ORIC), Ms Aisha Arshad (ORIC) Mr. Sarfraz Rizwan, Imran Munawar (Incharge, BIC), Mr. Farooq Hassan (BIC) thanked the Worthy Vice Chancellor and BOP Senior Management for sparing time for MoU Signing Ceremony



Visit of Mr. Salman iqbal, expert usability and design at JAZZ to ORIC, BIC

Mr. Salman Iqbal Expert usability and design at Jazz visited Business Incubation Center UAF. The purpose of his visit was to explore avenues of collaboration. Prof. Dr. Zahir Ahmad Zahir briefed the guest about recent initiatives of the ORIC. Imran Munawar (Incharge, Business Incubation Center, UAF) briefed him about the local entrepreneurial ecosystem of University of Agriculture Faisalabad - Official. He also conducted brief mentoring session with UAF startups and also visited Hi-Tech Lab. He appreciated the efforts University of Agriculture Faisalabad is making towards uplifting Innovation landscape of Pakistan

Session on lead generation at University of Agriculture Faisalabad - official

Muhammad Hanan Iftekhar conducted a very productive session on Lead Generation at University of Agriculture Faisalabad. It was a very interactive session where the trainer discussed various areas of Lead Generation including the below:

- What Is Lead Generation
- Why is it so important for brands and why quality over quantity is more profitable.
- Pros and cons for quality over quantity leads
- How to attract quality leads
- How to identify quality leads
- How Do You Improve Lead Quality?
- Example strategies on how to attract quality leads

Fuel to fly higher

Business Incubation Center, UAF organized an interactive session on entrepreneurship in collaboration with Guiltless Pleasure Eating. The session was conducted by Syeda Rameen Riaz. She said that Entrepreneurship is important for promoting social change to driving innovation. Moreover, entrepreneurship improve standards of living, and in addition to creating wealth with entrepreneurial ventures, it also creates jobs and

contributes to a growing economy. She also shared her success story of how she ventured her startup with the help of Business Incubation Center, UAF.

Business incubation center uaf visited Government College University Faisalabad

BIC, UAF visited GCUF for the dissemination of information regarding Plan-9 Incubation Program. BIC in anticipation hope to get good number of applicants from GCUF.

Business Incubation Center UAF visited and Punjab Information Technology Board (PITB) representatives visited National Textile University

Business Incubation Center UAF and Punjab Information Technology Board (PITB) representatives visited National Textile University - NTU for the dissemination of information regarding Plan-9 Incubation Program. BIC in anticipation hope to get good number of applicants from NTU.

Business Incubation Center UAF and Punjab Information Technology Board (PITB) representatives visited Fast-Nu, Chiniot-Faisalabad Campus

Business Incubation Center UAF and Punjab Information Technology Board (PITB) representatives visited FAST-NU, Chiniot-Faisalabad Campus for the dissemination of information regarding Plan-9 Incubation Program. The team thanked Shahzad Sarfraz and other respected HOD's for sparing their time. BIC in anticipation hope to get good number of applicants from FAST-NU, Chiniot-Faisalabad Campus.

Awareness session of plan 9 Incubation Program

Business Incubation Center UAF and Punjab Information Technology Board (PITB) collaboratively conducted an Awareness Session of Plan 9 Incubation Program. The said session was hosted by Wave FM 96.6 Progressive Pakistan.

MoU signing ceremony between University of Agriculture and NBP

University of Agriculture Faisalabad (UAF) and the National Bank of Pakistan (NBP) inked a Memorandum of Understanding to work jointly in the area of mutual concern and to establish a working relationship to benefit young aspiring agriculture focused entrepreneurs.

The MoU was duly inked online by UAF Pro-Vice Chancellor Prof Dr Asif Tanveer, and Inclusive Development Group, NBP, Group Chief Rehmat Ali Hasnie. SVP Product Development IDG NBP Salim Khowaja, UAF Director ORIC Dr Zahir Ahmad Zahir, Principal Officer Public Relations and Publications UAF Prof Dr Jalal Arif, Director External Linkages UAF Prof Dr Ashfaq Ahmad, UAF Treasurer Umar Saeed, UAF Registrar Tariq Mahmud Gill, Product Manager IDG NBP Dr Khurram Shahzad, UAF Manager Industry Linkages Dr Khurram Zia, Muhammad Imran Munawar, Incharge Business Incubation Center and other notables attended.

Under the MoU, NBP will also offer internship opportunities to UAF students. NBP will also conduct the informative sessions for the UAF faculty and students. UAF will provide an opportunity to the NBP for promoting agri focused financial products through exhibitions in expos arranged by UAF. It was also agreed upon to collaborate in the development and launch of credit products that will provide soft loans to young entrepreneurs for scaling their businesses. The UAF will connect prospective startups and entrepreneurs with NBP.

UAF Pro-Vice Chancellor Dr Asif Tanveer said that industry-academia linkages are essential to compete with the rest of the world. He said that the UAF was making all out efforts to hone the entrepreneurial skills of the students.

Visit of IGNITE CEO to UAF

Mr. Asim Shahryar Husain, CEO, Ignite visited University of Agriculture, Faisalabad on April 6, 2021. The agenda of his visit was to explore different areas of collaboration. Prof. Dr. Zahir Ahmad Zahir (Director, ORIC) welcomed the honorable guest and briefed him about the major functions of ORIC, UAF. Mr. Imran Munawar (Incharge, BIC) presented current progress and milestones achieved by Business Incubation Center, UAF. During the meeting, the option of development of Agri-Focused Incubation Center at UAF was also discussed. Mr. Asim Shahryar appreciated the contributions of UAF to Innovation landscape of Pakistan. He said Pakistan's entrepreneurial ecosystem is evolving rapidly and we need to connect our high growth startups with local and foreign investors. He also informed that Ignite is launching new courses under its flagship Digiskills program. The honorable guest along with BIC Team visited Expo Center, Hi-Tech Lab, Institute of Soil & Environmental Sciences, NIFSAT and other research facilities. He commended the quality of research going on at various laboratories and admired the products developed by various faculty members.



MoU between University of Agriculture, Faisalabad and Punjab Information Technology Board (PITB)

University of Agriculture, Faisalabad (UAF) is keen to promote innovation and entrepreneurship at divisional level. For this purpose, UAF and PITB inked a Memorandum of Understanding to work together on January 13, 2021. The said initiative will provide financial support to UAF for establishing a National Incubation Center. The program will also provide financial assistance to selected startups. The MoU was duly signed by Vice Chancellor Dr. Asif Tanveer and Senior Program Manager Hammad Bin Abdul Khalique. The National Incubation Center will accelerate the successful development of business startups through an array of business support resources and services. The Vice Chancellor encouraged the concept and emphasized the participation of University students in said program. Director ORIC Prof Dr Zahir Ahmad Zahir, Inaam Khan, Chairman FCCI IT Committee, Dr Khuram Zia, Manager Academia Industry Linkages, Muhammad Imran Munawar, Incharge, BIC and other notables attended the MoU Signing Ceremony.

HULT prize 2021 closing ceremony

Business Incubation Center UAF organized a closing ceremony of Hult Prize, UAF on January 7, 2021. The event was organized in recognition of the efforts made by volunteers for the success of Hult Prize, UAF. The ceremony initiated with the recitation of some verses from Holy Quran and Naat e Rasool Maqbool. Afterwards Director, ORIC Prof. Dr. Zahir Ahmad Zahir distributed certificates and souvenirs to best performing volunteers. In closing his remarks, he highlighted the significance of entrepreneurship in current era. He also commended the efforts of Hult Prize Team and BIC staff members. Director ORIC also congratulated the four winning teams who will be participating in Hult Prize National Event.

National grassroots ICT Research initiative 2021

Ministry of Information Technology and Telecom has launched National Grassroots ICT Research Initiative (NGIRI) 2021. ORIC UAF and Business Incubation Center UAF are working as support partners for execution of said program at University of Agriculture, Faisalabad. The program aims to assist Final Year undergraduate students of ICT and Engineering related disciplines by providing them financial assistance for building prototypes and working models. The said program helped the students to enhance students' creativity, innovation and hands on engineering and development skills. The Business Incubation Center (BIC) encouraged students to participate in the said program.

We raise World Bank group initiative

In the last five years, women-led startups in Pakistan only raised 3% of the startup ecosystem. WeRaise is a new World Bank Group initiative that aims to address this gap by supporting high growth capital women-led companies in Pakistan to attract and raise capital to grow their businesses. Powered by the Bank's Women's Entrepreneurial Finance Initiative (We-Fi), WeRaise is being implemented by Invest2Innovate (i2i) and global partners efino and Valhalla Private Capital. Over the next two years, WeRaise supported 30+ women-led Pakistani companies – selected through a competitive process – in raising capital from investors in Pakistan and worldwide through an investment readiness and capital raising coaching and support program. Selected startups benefited from a tailored and be-spoke coaching and support program, which included hands-on guidance from world class investment readiness coaches, access to a pool of local and international mentors & experts, capital raising seminars and topical resources, and connections with investors, all in service to raising funding to grow and scale their companies.

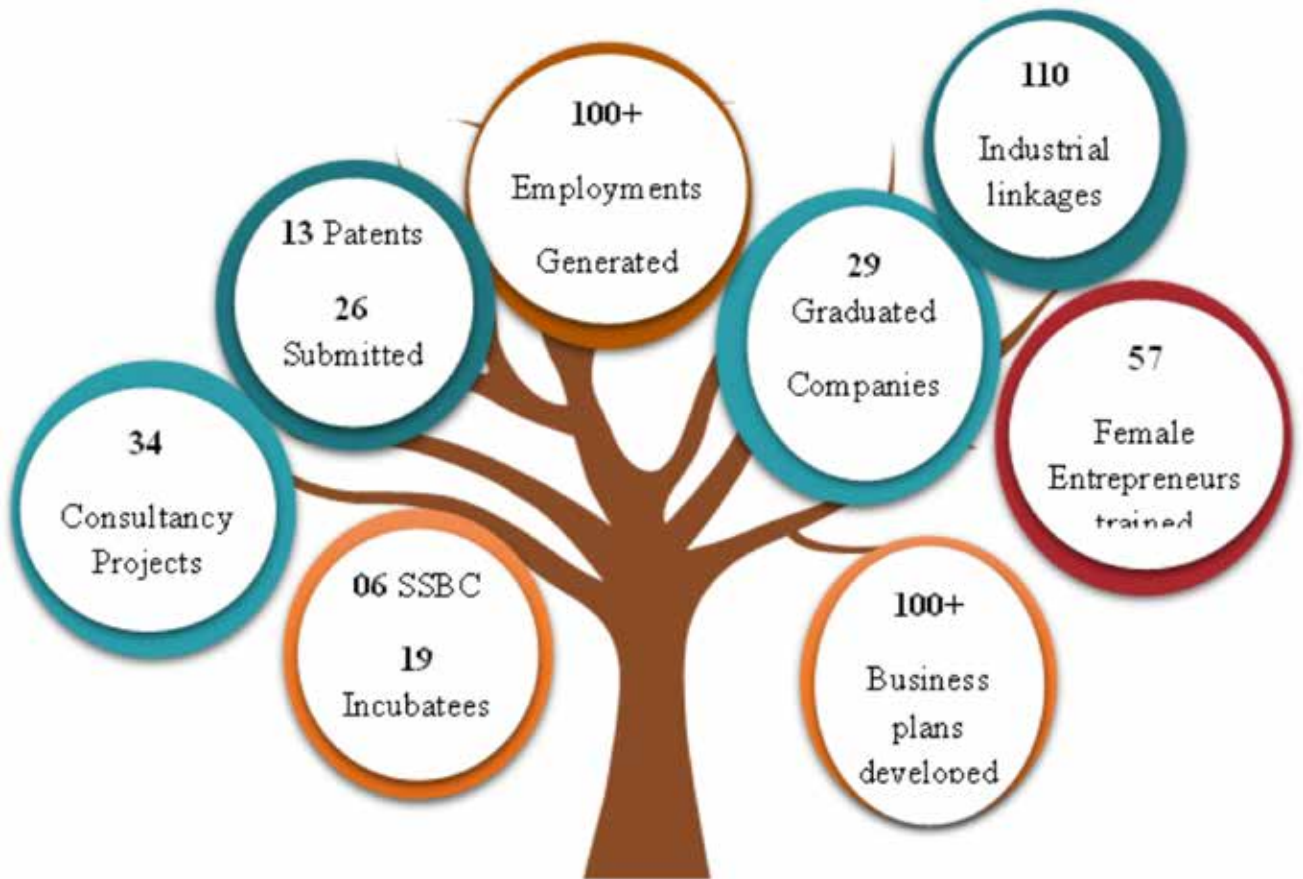
HULT prize startup challenge

Business Incubation Center, UAF in collaboration with Hult Prize organized On Campus Startup Competition. Since 2009, the Hult Prize has been a benchmark program for impact. This year the Hult Prize was asking youth around the world to build viable food enterprises that will create jobs, stimulate economies, reimagine supply chains, and improve outcomes for 10,000,000 people by 2030.

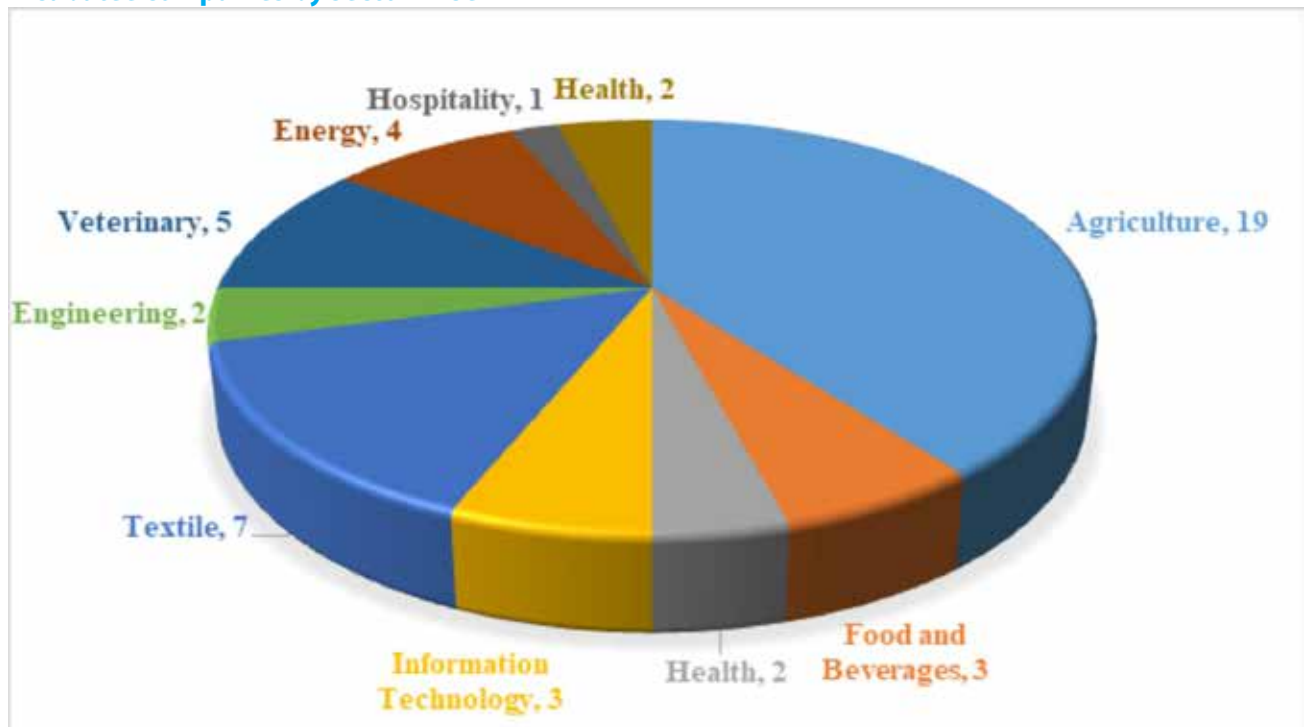
Digital marketing and entrepreneurship workshop

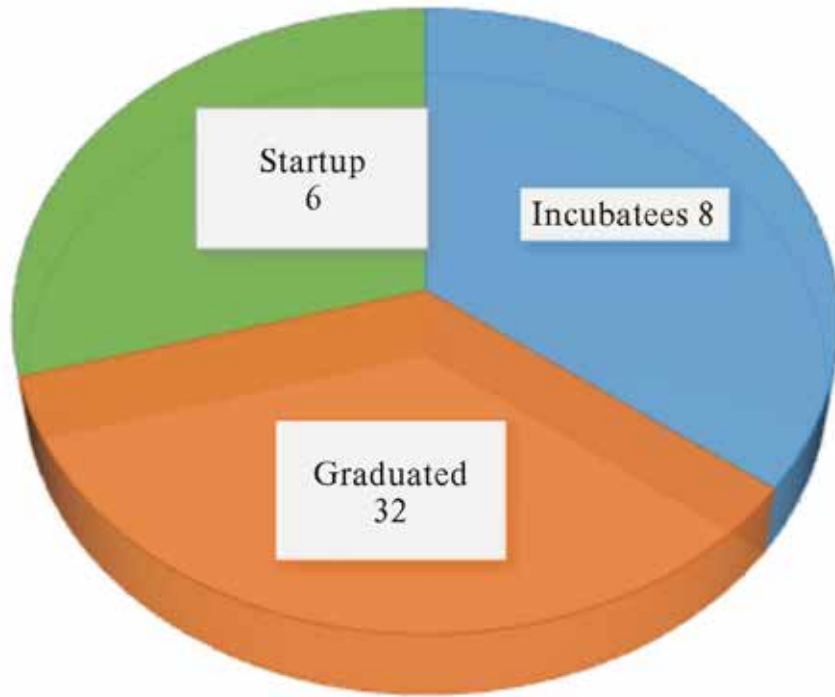
Business Incubation Center, UAF in collaboration with Hult Prize UAF and Websoftic organized a workshop on Digital Marketing and Entrepreneurship. The workshop helped participants to gain clear understanding of the building blocks that constitute digital marketing. It also equipped them with the tools, techniques and the knowledge to develop cohesive market strategies. The workshop was aimed to support participants in preparing and executing effective digital marketing campaigns. The participants were also motivated to start their own digital businesses. The facilitators for this workshop were Muhammad Kaleem Technology Specialist United Nations, Huzaifa Naveed CEO Websoftic and Asim Chouhan CEO, Albashir exports.

Entrepreneurial ecosystem of UAF



Incubatee companies by sector-wise





STRENGTHENING PHYSICAL INFRASTRUCTURE

- Development Projects (Laboratories, Libraries, etc.)
- Construction Projects.
- Research Equipment.

On-Going Projects

HEC funded projects

Establishment of i.T and library infrastructure for new disciplines of food and energy engineering and science at university of agriculture, faisalabad

The Project titled “Establishment of I.T and Library Infrastructure for new Disciplines of Food and Energy Engineering and Science at University of Agriculture, Faisalabad” was approved by the CDWP on March 04th, 2015 at a total cost of Rs. 1350.000 Million. The administrative approval of the project was issued on May 08th, 2015. The following modules under Civil Work of the project have been completed: -

1. ICT Services Block.
2. Library
3. Hostel for 1000 students
4. Student Services Centre

The detail of Civil Work components is as under:

• Construction of Hostel for 1000 Students	144391 sft	Rs. 389.855 M
• Construction of ICT Services Block	40,000 sft	Rs. 107.702 M
• Construction of E-Library	31,500 sft	Rs. 79.445 M
• Construction of Student Services Centre	34,340 sft	Rs. 93.979 M

ICT EQUIPMENT

The following ICT Equipment/Infrastructure has been deployed/under this project out of Rs. 250.000 Million meant for ICT equipment:

- Security & Surveillance System
- High speed optical fiber backbone network
- IT Infrastructure upgrade with provision of UTM solution
- Voice over IP solution (at Main Campus and Sub-Campuses)
- Enterprise Resource Planning & Campus Management Solution
- Establishment of Data Center
- IT Support Center
- Virtualized/VDI, Research and development labs

Other components of the project include :-

- Green Energy Solution
- HVAC
- Electricity Generator
- Furniture & Fixture

Establishment of Sub-campus of University of Agriculture, Faisalabad at Depalpur, Okara. (Revised).

The original project was approved on August 27th, 2007 at a total cost of Rs. 475.395 Million. However, the revised project was approved by the CDWP on December 04th, 2017 at a total cost of Rs. 889.291 Million with completion time up to Oct 22, 2020. The administrative approval of the project was issued on January 10th, 2018. The project has been extended upto June 30, 2021.

Construction work

An amount of Rs. 602.833 Million is provided in the PC-I for the following buildings/works: -

• Academic Block	30294 Sqft
• SSC, Mosque, Multipurpose Hall & other Campus Facilities	22191 Sqft
• Administration Block	3243 Sqft
• Residence for Staff	29300 Sqft
• Bachelor & Visiting Scientists Hostel/Guest House	6860 Sqft
• Boys Hostel, Girls Hostel,	6418 Sqft
• External Development, etc.	

Research equipment

An amount of Rs. 30.300 million was earmarked for Research Equipment which has already been utilized.

Govt of Punjab Funded

Strengthening of AMRI research and development capabilities in collaboration with UAF for fabrication of cost effective and efficient small agriculture implements for small farmers

The project titled "Strengthening of AMRI Research and Development Capabilities in Collaboration with UAF for Fabrication of Cost Effective and Efficient Small Agriculture Implements for Small Farmers" was approved by the PDWP at its meeting held on Dec 01, 2020 at a total cost of Rs. 449.568 Million with gestation period of 36 months. The Admin Approval of the project was issued on 23-07-2021. The UAF Component of the project is Rs. 105.141 Million.

The followings are major components of UAF part of the project:

- Civil Works (Construction of Workshop): Rs. 16.158 Million
- Lab. Equipment (Design lab., Welding & Machine Assembling lab., Manufacturing lab.): Rs. 67.939 Million

Scheme for 50 overseas Ph.D. scholarships for university of Agriculture, Faisalabad

The Project titled "Scheme for 50 Overseas PhD Scholarships for University of Agriculture, Faisalabad" was approved by the PDWP on August 20th, 2015 at a total cost of Rs. 656.083 Million with gestation period of 60 months. The administrative approval of the project was issued on December 18th, 2015. The scheme envisages PhD level training of 50 scholars in priority areas as decided by the Committee constituted by the Chief Minister, Punjab. The scheme envisions strengthening the faculty of the University by providing facility of higher education through Human Resource Development (HRD) from well reputed foreign universities so as to update their knowledge and to acquaint them with the latest technologies. The scholars trained under this Programme would be playing a leading role in execution of big national projects involving modern technologies. The country-wise distribution of scholarships is as under:

Country-wise Distribution of Scholarships		
SN	Name of the Country	No. of Scholarships
1	USA	20
2	Australia	10
3	Germany	5
SN	Name of the Country	No. of Scholarships
4	South Korea	5
5	China	5
6	Malaysia	5
Total		50

The said project is meant for Human Resource Development (HRD). 50 Overseas PhD scholarships were awarded to outstanding candidates (including existing UAF employees/lecturers) for MS/MPhil leading to PhD in technologically advanced countries of the world. Initially, 49 scholars were provisionally selected. However, 43 are currently studying to complete their PhDs. Out of this, 04 scholars completed their studies and joined the University of Agriculture, Faisalabad.

Office of Resource Generation/Development

- Initiatives and Implementation
- Future Plans

Future Plans (HEC funded)		
SN	Name of Project	Rs. In Million
1	Establishment of Pak-Korea Nutrition Center (PKNC) to Improve Child and Community Nutrition	1593.775
2	Establishment of National Center for Genome Editing for Crop Improvement and Human Health (NCGE).	500.000
3	Quality Seed Production and Supply to the Farming Community for Ensuring Food Security in Pakistan	1202.722
4	Transformation of Agriculture through Genome Sequencing, Agri. Automation and Entrepreneurship alongwith Provision of Essential Infrastructure to Meet Accreditation Requirements	1800.000
5	National Sports Academy	150.000
6	Rehabilitation and Improvement of Student Hostels and Historic Iqbal Auditorium.	796.432

Government of the Punjab Funded

1	Strengthening of Amri Research and Development Capabilities in Collaboration with UAF for Fabrication of Cost Effective and Efficient Small Agriculture Implements for Small Farmers.	105.141
2	Technology Transfer Center at University of Agriculture, Faisalabad	400.000
3	Establishment of Agriculture Heritage Museum at University of Agriculture, Faisalabad	390.000

Others

Construction of Training/Lecture Rooms.





DIRECTORATE OF FINANCIAL ASSISTANCE AND UNIVERSITY ADVANCEMENT

Office of the Financial Assistance

Professional and higher studies in Pakistan during the recent years have become very expensive. In view of the increasing expenses day by day, it is becoming very difficult for the poor section of the society to educate their children. Under such critical circumstances, financial sponsorship of deserving and meritorious students may help to create soothing impact on the community, particularly the rural masses and bring a positive and healthy social change in the long run. True to its motto, "Education with public spirit and market dynamism", the University has instituted a comprehensive and well-developed scholarship scheme/ Career Services/ University Advancement to extend financial support to the talented but deserving students. We continue to increase its extent and amount in order to meet our obligations. An amount of Rs. 367.55/-million was distributed among 7354 students during 2020-21.

Vision

To provide higher education to the talented, deserving and marginalized segments of the society.

Mission

To assist students & their families in meeting financial needs for higher education

Student Financial Assistance Mechanism at UAF

Financial Assistance to meritorious and deserving students is extended in following: -

Scholarship Program: Scholarships are awarded to deserving and meritorious students. Award is based on merit, financial need, or a combination of both merit and need. Scholarships can come from different sources and the awarding criteria may vary. University is awarding 5% merit scholarships to graduate and undergraduate students on CGPA basis.



Fee Concession

1. Tuition fee concession (50%) to 10% of students of the class by academic heads of different faculties and institutes
2. Brother/sister tuition fee concession up to 50% on application through the academic heads
3. Fee exemption to disabled persons admitted on disabled quota on application through the academic heads.

Internship Program

An internship is a work-related learning experience for students who wish to develop hands-on work experience in any occupational field. Most internships are temporary assignments, can be shorter or longer depending upon the program requirements. These may be paid, unpaid, or partially paid in the form of a stipend.

Work-Study Program

A form of financial assistance in which students perform work in exchange for money for their education. Several students are working on various research projects sponsored by HEC/ Government Departments/ organizations. The students are also being hired on an hourly basis in different departments of the university. A ratio of 50% of the total budget (DPL) was allocated to hire the students for different services in respective departments.

Student Loan Scheme

Students of this University can also apply to the National Bank of Pakistan to get an interest-free loan to support their education. Students are facilitated in processing their applications to NBP, University Branch. Some organizations are also extending loan facilities to students of UAF. This Directorate is also offering UAF loans to University students.

Test for Foreign Scholarships

This office has organized GRE mock activities for the preparation of international GRE for the Fulbright Scholarship and many more. More than 1000 students benefited from these activities

Miscellaneous Facilities

Facility to deposit dues in installments for financially constrained students and those affected by natural calamities.

SN	Scholarships Source	Nos.	No. of Applications	No. of Awardees	Amount (Millions)
1	Govt. Funded	8	1,727	374	20.39
2	HEC Funded	4	3,834	2,717	240.01
3	UAF	4	3,853	3,845	86.16
4	Private Donors	41	1,721	481	21.01
	Total	57	11,135	7,354	367.57

Office of the University Advancement

The mission of University Advancement is to present a clear, consistent, and focused message about the university's mission, goals, priorities, and performance to the public and to all stakeholders that will increase public understanding and support for improving the quality and effectiveness of academic programs, research, and services. The office will also be responsible for the design, implementation, and management of programs to raise funds for the students of the university from different sources other than the Government of Pakistan, with particular emphasis upon the corporate sector, alumni, individual private

donors, and international partners.

Aims & Objectives

- Consulting regularly with key stakeholders and staff about priorities, goals, and progress in fundraising and university advancement
- Alumni network database development
- Monitoring of online registration of Alumni
- Arrangement of Alumni meetings
- Arrangement of Donor meetings
- Proposal Development for Donors
- Stewardship to Donors
- Observing international standards of best practice adapted to the Pakistani context
- Observing a code of ethics that reflect best practices in dealing with donors and supporters
- Ensuring openness, accuracy, timeliness, efficiency, and effectiveness in providing service and support
- Maintaining complete and accurate records of all transactions and programs

Achievements in 2020-21

- Arranged National Financial Literacy Program Mega Awareness Event
- Arranged Awareness Seminar on Microfinance
- Participation in The Express Education & Career Expo
- Partner of National Financial Literacy Program of State Bank of Pakistan
- Partner of Student Ambassador Plan under NFLP-SBP
- Arranged GRE Mock Activity and Preparation in collaboration with USEFP
- Arranged educational events with Education USA
- Arranged "Battle of Minds" in collaboration with Pakistan Tobacco Company Ltd.
- Arranged Training workshop on "Entrepreneurial Skills Development" at YDC Murree
- Initiation of "Student loan Scheme" by First Microfinance Bank
- Initiation of new scholarships "Zona Aslam Scholarship", "Aziz Arshad Scholarship", "Mustafa Brothers Scholarships" by Alumni donors, and "Nest Scholarships" by Government

Alumni Affairs

UAF Alumni Association is also a growing community and the alumni manager is committed to facilitate the alumni from all parts of the world. Through this online Alumni Association, UAF keeps hailing Alumni updated on the Campus News and the Alumni Events. Alumni will soon be able to locate their fellows, add them to friends list, send and receive messages and browse through alumni events' photo gallery. After joining UAF Alumni Network Association, Alumni will also be able to post success stories, pictures, events and messages.

Vision

The Alumni Association will be a dynamic, member-focused organization, driven by unique values and directed towards meeting the social, intellectual, and spiritual needs of all present and future alumni of University of Agriculture Faisalabad.

Mission

Keep in touch with your Institution, be in touch with Your Fellows, post your Updated Personal Details, post your Professional Achievements, Provide services and benefits for current students and alumni, and glance through the events and reunions Photo gallery.

Strategic Plan

The purpose of this plan is to create and put into practice a meaningful set of strategic goals to promote and support the Alumni Association and build perpetual relationships with the University, its alumni, students and friends.

Strategies

This strategic plan concentrates on the following goals:

- a. Awareness - to increase awareness of and membership in the Alumni Association through promotion, contact, and collaboration with alumni, students, the community and other University groups
- b. Value - to offer valuable programs to promote lifelong relationships with alumni and position ourselves as a "Must contribute" organization
- c. Community Service - Giving confidence to alumni to share their knowledge, talents, and resources with the community
- d. Family - to give the impression of being after the bonds that connect the UAF family while re-connecting alumni and their families to the University Festivals.
- e. Growth - to promote significant growth in membership through creating and developing partnerships and alliances inside and outside the University
- f. Support Structure - promote the development of an Alumni Affairs Office to continue the mission of the Alumni Association in time without end. To develop an Alumni Association structure, Board and by-laws.
- g. Advancement - Position the UAF Alumni Association to Advance the University.

Career Counseling Center

Career Counseling Center was established in 2010 as a section of Directorate of Financial Assistance & University Advancement at University of Agriculture Faisalabad (UAF) to produce better employees and better employers using the potential of students and graduates of University of Agriculture Faisalabad and making use of available opportunities in public and private sector thus contributing positively in the development of the country.

Vision

"To develop youth of Pakistan in achieving educational, career & Professional Goals by making use of available opportunities thus contributing positively in the development of the country."

Mission

"To become a bridge between the students and the employers for well-judged careers opportunities."

Aims & Objectives

- Career counselling & guidance of the students.
- Liaising with Employers.
- Job Opportunities for students.
- Conducting trainings for students in the form of workshops & seminars.

Career Development Center

Career Development Center (CDC), UAF generated Career Development opportunities for UAF graduates during the year 2020-2021 through following organizations

SN	Month	Activity/ Name of Organization	Positions Offered	Remarks
1.	January, 2020	FJC Farms, Sheikhpura.	Various opportunities for Spring-Summer Internships – 2020	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.
2.	January, 2020	Study UK Campus Drive - Campus Counselling Sessions with UK Universities.	Educational opportunities in various UK universities	Event was advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were registered, counselled on interview techniques and purpose of the drive to get connected with the Delegates from different UK institutes are visiting UAF.
3.	January, 2020	Punjab Information Technology Board, Lahore.	- Incubation Manager	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer. Representatives from the organization visited UAF, conducted tests and initial interviews for the hiring process.
4.	February, 2020	Klash (Pvt.) Ltd. Faisalabad.	MTOs in various departments 3 Positions	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.
5.	February, 2020	RFB Agri Farms, Lahore.	Field Manager (Agriculture)	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.

SN	Month	Activity/ Name of Organization	Positions Offered	Remarks
6.	February, 2020	Syngenta Pakistan Ltd. Karachi.	Sales Unit Leads (SUL)	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.
7.	February, 2020	Ikram Fish Farm, Shiekhupura.	Fish Farm Manager	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.
8.	March, 2020	BASF Pakistan (Pvt.) Ltd. Lahore.	Sales Associates 3 Position	Jobs were advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were counselled on résumé writing and interview techniques. After shortlisting of résumés on the given criteria, applications were forwarded to the employer.
9.	March, 2020	Fulbright Orientation Scholarship Orientation Session at UAF.	Orientation Session on Fulbright Scholarship Program	Event was advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were registered, counselled on interview techniques and purpose of the drive to get connected with the Delegates from The United States Educational Foundation in Pakistan are visiting UAF.
10.	March, 2020	HBL, Karachi.	Campus Recruitment Drive for Agri Finance Officers (AFOs), Cash Officers (CO) & Asst. Relationship Manager (ARM) - Retail	Event was advertised on Campus News, UAF Notice Boards and Social Media platforms. Students were registered, counselled on interview techniques and purpose of the drive to get connected with the Delegates. Due to COVID-19, registration of the applicants was shared with HBL.
11.	June 2020	Sapphire Fibers Limited,	Agri-graduates required	Advertised through campus news, notice board and social media pages. After initial scrutiny, CV were sent out to the employer as per their requirements.

SN	Month	Activity/ Name of Organization	Positions Offered	Remarks
12.	July 2020	Apna Kissan Ltd	Farm Manager	Advertised through campus news, notice board and social media pages. After initial scrutiny, CV were sent out to the employer as per their requirements.
13.		National Financial Literacy Program for Youth (NFLP-Y) and state Bank of Pakistan	Financial Literacy Course for the students	Advertised Financial Literacy Course through campus news, notice board and social media pages.
14.	August 2020	USEFP	Virtual Session on Five Step to Education in USA	Advertised through campus news, notice board and social media pages. Online Registration had been made.
15.	August 2020	Free Certification of Microsoft from home by HEC	MOS Certification	Advertised through campus news, notice board and social media pages for the wide benefit of the students.
16.	August 2020	Crescent Mill	Management Associate	Advertised through campus news, notice board and social media pages for the wide benefit of the students.
17.	September 2020	Pepsico Private Limited Lahore	Agro (interns) on-campus recruitment drive	Advertised through campus news, notice board and social media pages for the wide benefit of the students.



DIRECTORATE OF SPORTS

Report of Activities for the Year 2020-21

The active participation and involvement of the students in different sports activities is dire need of the day and essential for inculcating in them the sense of responsibility, discipline, obedience, punctuality and generate the quality of leadership and patience besides the sportsmanship.

These activities go a long way in the development of character and personality. The Directorate of Sports, University of Agriculture Faisalabad tries its level best to involve the students in sports activities and provide maximum facilities at its disposal to achieve the above-mentioned objective.

The University of Agriculture, Faisalabad Participated in the following 10 Boys and 03 Girls Intervarsity Championships during the Year under reports

Boys

SN	Game	SN	Game
1.	Athletics	6.	Football
2.	Badminton	7.	Hockey
3.	Basketball	8.	Squash
4.	Boxing	9.	Table Tennis
5.	Cricket	10.	Volleyball

Girls

SN	Game	SN	Game
1.	Badminton	3.	Table Tennis
2.	Cricket		

The University of Agriculture, Faisalabad organized the following Championships and Sports Gala Competitions at its campus.

National Events

1. National Beach Handball Championship (Pakistan Handball Association and Punjab Handball Association) organized from 5th to 7th December 2020 in collaboration with Directorate of Sports. Directorate sports facilitated during Championship.
2. National Inter Department Handball Championship organized Championship from 25th to 27th February, 2021 in collaboration of Directorate of Sports

Inter-department/Inter-semester competition

1. University of Agriculture Volleyball Girls team participated in Intervarsity Volleyball Girls Championship 2020-21 at Shaikh Ayaaz University, Shikarpur from 1st to 4th February 2021, Sindh in Collaboration with Higher Education Commission
2. Directorate of Sports organized All Pakistan Football Intervarsity Zone E (Men) Championship 2020-21 with collaboration of Higher Education Commission from 15th to 18th February 2021, at University of Agriculture Faisalabad and Secured 2nd Position.
3. Directorate of Sports organized All Pakistan Handball Men Final Championship 2020-21 with collaboration of Higher Education Commission from 22nd to 25th February 2021 at University of Agriculture Faisalabad. University Handball Boys Team Secured 3rd position.
4. University of Agriculture Tug of War Boys team participated in Intervarsity Tug of War Boys Championship 2020-21 at Shaikh Ayaaz University, Shikarpur/IBA Sukhar from 25th to 28th February 2021 in Collaboration

with Higher Education Commission.

5. University of Agriculture Squash Boys team participated in Intervarsity Squash Boys Championship 2020-21 at Mehran University of Engineering and Technology, Jamshoro from 27th February to 4th March 2021 in Collaboration with Higher Education Commission.
6. University of Agriculture Volleyball Men team participated in Intervarsity Volleyball Men Championship 2020-21 at GC University Faisalabad from 4th to 6th March 2021 in Collaboration with Higher Education Commission.
7. University of Agriculture Women Handball team participated in Intervarsity Women Handball Championship 2020-21 at University of Peshawar from 22nd to 24th June 2021 in Collaboration with Higher Education Commission

Other than University Events

1. Army Sports Directorate organized Training Session for Army Women Rowing Players from 12-08-2020 to 15-09-2020 in collaboration with Directorate of Sports UAF. Directorate of Sports facilitated during training session.
2. Punjab Emergency service Rescue 1122 organized Training Session for Water Rescue Training in collaboration with Directorate of Sports UAF from 1st to 3rd October 2020. Directorate of Sports facilitated during training session.
3. Punjab Handball Association organized Handball Tournament in collaboration with Directorate of Sports UAF on 13-10-2020. Directorate of Sports facilitated during Tournament.
4. WAPDA Handball Association organized Handball Training Camp in collaboration with Directorate of Sports from 10-11-2020 to 07-12-2020. Directorate sports facilitate during Championship.
5. Pakistan Army Handball Team organized Handball Training Camp from 22-28 February 2021 for Participation in National Inter Department Beach Handball Championship 2020-21 in collaboration with Directorate of Sports UAF.
6. Police Sports Board organized Handball Training Camp from 22-02-2021 to 25-02-2021 for Participation in National Inter Department Beach Handball Championship 2020-21 in collaboration with Directorate of Sports UAF.
7. WAPDA Sports Board organized WAPDA Annual Inter Unit Football Competition from 8th to 10th March 2021 at University Football ground in Collaboration with Directorate of Sports UAF. The Directorate of Sports facilitate during the sports Competition.
8. Police Women Handball Team organized Training camp at University International Handball Stadium, UAF for Participation in National Women Handball Championship from 12th to 20th March 2021, in Collaboration with Directorate of Sports UAF. The Directorate of Sports facilitate during the Camp.

Awards

1. University student Mr. Talha Tariq, Reg # 2016-ag-7636, participated in National Inter Department Handball Championship 2021 and Got Silver Medal.
2. University student Mr. Yasir Majeed, 2014-ag-4828, awarded Color Award 2021 by the Directorate of Sports University of Agriculture Faisalabad.
3. University Handball Team participated in All Pakistan Handball Intervarsity Championship 2021 and Got 3rd Position.

TUTORIAL SYSTEM/ART & LITERARY FORUM

In-house Activities/Achievements during the year 2020-21

Various Meeting

- The Senior Tutor attended the meeting of Students Affairs Committee held on 04-09-2020 (Friday) at 11:00 AM in the office of the Director Student Affair Office.
- The Senior Tutor attended the meeting of Discipline Committee held on 14-09-2020 (Monday) at 02:00 PM in the office of the Professor Dr. Haq Nawaz Bhatti, Chairman, Department of Chemistry.
- A meeting of the Senior Tutor Office Team, the Art & Literary Forum, was held on 11-03-2021 at 02:30 PM in Students Facilitation Center to streamline the activities of various clubs in anticipation of the continuation of physical classes.
- A meeting of the Senior Tutor Office Team, the Art & Literary Forum, was held on 01-02-2021 at 11:45 AM in the office of Senior Tutor in Students Facilitation Center to schedule programs regarding Kashmir Solidarity Day 5th February, 2021.
- The Senior Tutor attended the meeting of Discipline Committee held on 07-07-2021 (Wednesday) at 10:00 am in the office of the Professor Dr. Haq Nawaz Bhatti, Chairman, Department of Chemistry.

Shan-e-Mustafa (SAW) Week November, 2020

Various Clubs (Qiraat & Na'at, Debating, Society of Agri. Writer (SAW) & Quiz Club) working under the Office of the Senior Tutor, University of Agriculture, Faisalabad organized the Shan-e-Mustafa (SAW) Week in the Iqbal Auditorium from 16-11-2020 to 22-11-2020.

The Chief Guests were Mr. Umer Saeed Qadri, Treasure/Registrar and Prof. Dr. Syed Aftab Wajid, Principal Officer Student Affairs. Dr. Abdul Naveed, Senior Tutor, was the Guest of Honor. Dr. Muhammad Anwar Ul Haq, Associate Senior Tutor, Dr Asim Aqeel, Associate Senior Tutor & Dr. Muhammad Ijaz Saleem, Deputy Senior Tutor, attended the programs.



Date	Name of Program	Proceedings of the Program
16-11-2020	Milad-e-Mustafa (SAW) Walk	The Senior Tutor office organized the Shan-e-Mustafa (SAW) Week from 16-11-2020 to 22-11-2020, on the direction of the Punjab Government as well as the University of Agriculture, Faisalabad. The program started with the recitation of the Holy Quran. Mr. Hafiz M. Rashid recited verses from the holy Quran at 09:00 AM followed by the rendition of Na'at by Mr. Muhammad Suleman at 09:15 AM. Mehfil -e- Darood Pak was held at 09:30 AM. Students of the UAF as well as of the Laboratory High School Boys participated in this holy event. Dr. Abdul Naveed (Senior Tutor) elaborated details of the program to the audience and requested them for Melad-e-Mustafa (SAW) Walk. The Melad-e-Mustafa (SAW) Walk started at 10:30 AM and was led by the Chief Guests Mr. Umer Saeed Qadri, Treasure/Registrar and Prof. Dr. Syed Aftab Wajid, Principal Officer & the Guest of Honor Dr. Abdul Naveed, Senior Tutor. Dr. Muhammad Anwar Ul Haq Associate Senior Tutor, Dr Asim Aqeel, Associate Senior Tutor, & Dr. Muhammad Ijaz Saleem Deputy Senior Tutor participated in Melad-e-Mustafa (SAW) Walk, which ended with prayer at 10:45 AM. The event marked a special religious and social activity at UAF that boosted the morale of the university community amidst Covid crisis.
17-11-2020	Naatia Mushaira	Na'atia Musharia started with Qira'at & Na'at by the members of Qira'at & Na'at Club. The renowned poets of Faisalabad Division participated in Na'atia Mushaira. The ceremony was held in Iqbal Auditorium, following Corona SoPs and Na'atiya Kalaam was presented by students and guest poets. Afzal Khaksar, Kousar Aleemi, Nadeem Akhter Pierzada, Ishtiaq Asjad, Muqeel Bukhari, Jone Kazmi & Mubashar Sattar participated & presented their Na'atia Kalam in this holy event. Speeches on Seerat-un-Nabi (PBUH) were also delivered by the Guests of Honour. The event helped reclaim the spirit of faith and inspired the spirit of work among students and faculty alike. The memories of the life of Prophet Muhammad (PBUH) also revived the sense of responsibility to society and its poor.
18-11-2020	Mehfil-e-Darood Pak	Mehfil -e- Darood Pak was organized and students of UAF as well as of the Laboratory Girls High School participated in this holy event from 09:00 AM to 10:30 AM. The ceremony was held in Iqbal Auditorium, following Corona SoPs and devotional fervour was worth-envying at UAF, especially because the blessings of Allah, the Almighty were entreated through the Zikr and Tasbeeh of Allah, the Almighty, and memory of His most beloved Prophet Muhammad (PBUH) to enlighten humanity to fight hard times of disease and destitution. The event conspicuously brought UAF back to life. The community and staff expressed great resolve to follow the example and teachings of the glorious Prophet of Islam, Muhammad (PBUH) to fulfill their responsibilities and share the burdens of others.

Date	Name of Program	Proceedings of the Program
18-11-2020	Tree Plantation Ceremony	An extensive plantation drive was held at UAF in which administration and faculty participated whole-heartedly, especially because the inspiration behind the activity also accords perfectly well with the professional civic commitments of UAF. The Tree Plantation Ceremony was held at 11:00 AM in front of the Clock Tower, UAF in which Mr. Umer Saeed Qadri, Treasure/Registrar, Prof. Dr. Syed Aftab Wajid, Principal Officer Students Affairs and Dr. Abdul Naveed, Senior Tutor planted trees. Dr. Muhammad Anwar Ul Haq, Associate Senior Tutor, Dr Asim Aqeel, Associate Senior Tutor and Dr. Muhammad Ijaz Saleem, Deputy Senior Tutor, also participated in this event. The plantation drive was meant to contribute to the country's regional and global commitment to environmental safety and improvement. It induced a spirit of devotion and commitment in the university students and staff to promote the cause of environmental protection and preservation in the country.
18-11-2020	Mehfil-e-Milad Mustafa (SAW) for Special Children & Male Faculty Members	Mehfil-e-Milad Mustafa (SAW) was organized & Special Children (Disable Children) from Zunnorain Foundation, Faisalabad & male faculty members of UAF participated in this event from 10:00 AM to 12 PM. The ceremony was held in Iqbal Auditorium, following Corona SoPs. The special children with their special gift of various talents enthralled the faculty and expressed their love and understanding of the message of our beloved Prophet, Muhammad (PBUH). The event was a real treat to inspire hearts of those in attendance. This was one of UAF hallmark events, as the administration at UAF makes it a point to engage special children in all of its recreational and co-curricular activities, inviting students from university Day Care Centre and local NGOs which operate for these children.
18-11-2020	Mehfil-e-Milad Mustafa (SAW) for Female Faculty Members	Mehfil-e-Milad Mustafa (SAW) was organized & female faculty members & female students of Laboratory Girls High School participated in this event from 12:00 to 01:00 PM. The ceremony was held in Iqbal Auditorium, following Corona SoPs. The female faculty celebrated the event with full devotion and rendered Na'atiya Kalaam and offered Darood-o-Salaam to glorify Prophet Muhammad (PBUH), the most glorified by Allah, the Almighty. The university female faculty proved that they are inspired by the same warrior spirit as men when it comes to tackling crisis and showing resolve.
19-11-2020	Mehfil-e-Darood Pak	Mehfil -e- Darood Pak was held and students of the UAF as well as of the Laboratory High School boys participated in this holy event from 09:00 AM to 10:30 AM. The ceremony was held in Iqbal Auditorium, following Corona SoPs. The university administration, staff, male and female faculty all participated to exalt the Prophet of Islam, Muhammad (PBUH), and seek refuge in Allah, the Almighty, in the times of calamity. The event was meant to revive hearts and ward off any feelings of dejection and helplessness in the hearts of UAF community. No doubt, these events stood the community in good stead and UAF took lead in carrying out all the educational and social responsibilities with utmost effort during tense Covid times.

Date	Name of Program	Proceedings of the Program
19-11-2020	Motivational Speeches in Ulema & Mashaek Conference	The conference was held in Iqbal Auditorium, following Corona SoPs. The speeches and bayans of Ulema-e-Islam warmed the hearts of the university community. The highlight of the program was the motivational speech on Serat ul Nabi (SAW) at 10:30 AM by Syed Khalid Hussain Qazmi, who emphasized adopting the teachings of Islam & habits of the beloved Holy Prophet Hazrat Muhammad (PBUH) in our daily lives. The administration and staff all participated to get inspired and guided by erudite opinions of the scholars about braving the hard times, seeking guidance from the decrees of religion in the Quran and lives of the prophets, especially Muhammad (PBUH). The guidance of the Ulema, especially the content of their speeches and bayans drawn largely from the Quran and Hadith, proved to a beacon of light for UAF community and geared them up for a befitting response to the crisis of the pandemic.
20-11-2020	Motivational Speeches / Bayan in Ulema & Mashaek Conference	The conference was held in Iqbal Auditorium for the female faculty and staff, following Corona SoPs. A motivational speech at 02:00 PM on Serat ul Nabi (SAW) was delivered by Syed Afzal Hussain Shah who highlighted the day-to-day affairs of the Holy Prophet (PBUH) & stressed on the importance of Sunnah for success in life here & the hereafter.
21-11-2020	Speech / Quiz Competition on Shan-e- Mustafa (SAW)	Speech and Quiz Competition on Shan-e- Mustafa (SAW) was started with the recitation of the Holy Quran. Mr. Hafiz M. Rashid recited some verses from the Holly Quran at 11:30 AM & Mr. Muhammad Suleman praised the Prophet with a beautiful Na'at at 11:45 AM. The students of Debating Club organized a Quiz & Speech competition from 12:00 to 01:00 PM in the Iqbal Auditorium. The event was held online in which UAF students from undergraduate and post-graduate classes participated enthusiastically and in bulk. The event indicated the get-up-and-go of the UAF students and their craving for educational activities to revive as soon as possible.
22-11-2020	Mehfil-e-Samaa	The students of Virsa Music Society, performed during Mehfil-e-Samaa in Iqbal Auditorium from 03:00 PM to 04:00 PM. The Mefil-e-Samaa was held in Iqbal Auditorium, UAF, following full Corona SoPs. The university administration, staff and faculty vehemently participated to do the Zikr of the Almighty and beseech His blessings on humanity at large. The ceremony was a huge inspiration for the UAF community to remain steadfast in faith and submission alone to Allah, the Almighty.
November 16-17, 2020	40th All Pakistan Allama Muhammad Iqbal Bilingual Declamation Contest 2020	The event was held online in which UAF students from undergraduate and post-graduate classes participated enthusiastically and in bulk. The event was meant to uphold the resolve on the part of UAF administration and faculty to carry on the cause of education, providing students all the opportunities of curricular and co-curricular activities, no matter the times had been tough, though.

Anti-Corruption Week (December 07-12)

The Character Building Society (CBS) organized a Seminar during “Anti-Corruption Week (December 07-12), 2020” under the Office of the Senior Tutor, University of Agriculture, Faisalabad in the New Senate Hall on December 07-12, 2020. The Chief Guest was Prof. Dr. Syed Aftab Wajid, while Dr. Abdul Naveed was the Guest of Honor. Dr. Muhammad Anwar Ul Haq, Associate Senior Tutor, Dr Asim Aqeel, Associate Senior Tutor & Dr. Muhammad Ijaz Saleem, Deputy Senior Tutor, also participated in this event.

All other clubs working under the Office of the Senior Tutor organized several other activities including painting competitions, display of banners and charts throughout the campus, Qira’at, Na’at, Quiz, Debate competitions, etc. The theme and inspiration of the events was to inculcate the sense of fair play among students so that they develop loathing for corruption and strictly adhere to uprightness and appropriately handle and respond whenever they observe corrupt practices going on in their vicinity. The whole UAF community, including students and faculty, felt motivated by the events to propagate in UAF the message and mission of the other governmental accountability and security institutions, like NAB, Army, Police, etc., as all have to have an equal share in eradicating corruption from Pakistan.

Kashmir Solidarity Week

Various clubs working under the Office of the Senior Tutor, UAF organized the “Kashmir Solidarity Week from February 03-05, 2021. A walk from the Main Corridor to Clock Tower was organized on February 05, 2021 to express solidarity with the Kashmir cause. The walk was led by Prof. Dr. Asif Tanvir, the Vice Chancellor, UAF. The main ceremony was held later in the day in New Senate Hall. The Chief Guest was Prof. Dr. Syed Aftab Wajid, while Dr. Abdul Naveed, was the Guest of Honor. Dr. Muhammad Anwar Ul Haq, Associate Senior Tutor, Dr Asim Aqeel, Associate Senior Tutor & Dr. Muhammad Ijaz Saleem, Deputy Senior Tutor, also participated in this event. Milli Naghmas (National songs) were presented at the Clock Tower. All clubs working under the Office of the Senior Tutor organized also several other activities including painting competitions, display of banners and charts throughout the campus, Qira’at, Na’at, Quiz, Debate, Milli Naghma (national songs) competitions, etc. The theme and inspiration of the events was to highlight the inhuman and brutal act of Indian occupation of Kashmir and ongoing atrocious activities of the State of India and its armed forces, which are killing the Kashmiri Muslims. The endeavor was part of Pakistan Government’s international drive to raise the Kashmir issue, especially because the World Powers seemed (and still are) averse to check Indian atrocities because of certain vested economic, political and military interests. The whole UAF community, including students and faculty were mobilized to spread awareness through using their talents, contacts, and media channels about the calamities faced by the Kashmiri people in the occupied territory under Indian control.

Lecture/Workshop on the Theme of Anti-Corruption & Character Building

The Character Building Society (CBS) organized a “Lecture/Workshop on the theme of Anti-Corruption And Character Building” under the Office of the Senior Tutor, University of Agriculture, Faisalabad in the New Senate Hall on July 01, 2021. The Chief Guest was Syed Husnain Ali (Director NAB) while Binish Nouman (Deputy Director NAB) coordinated the program. Prof. Dr. Anas Sarwar Qureshi, the Vice Chancellor, UAF presided over the Seminar. Dr. Tahir Zahoor was the focal of the said event. Mr. Qamar Bukhari rendered his service as the stage secretary. Dr. Abdul Naveed and the Senior Tutor Office Team organized the whole event

Activities/Achievements

During the year 2020-021 (out of campus activities)

1. The members of Debating Club participated in "40th All Pakistan Allama Muhammad Iqbal Bilingual Declamation Contest-2020" held at GC University, Lahore from November 16 to November 17, 2020.

The details are as under:

SN	Regd. No.	Name of Student	Class	Remarks
1.	2016-ag-7478	Miss. Shaawaniya Rashid	Pharm-D	No Position
2.	2017-ag-7749	Mr. Muhammad Ahmad	B. Sc. (Hons.) Agri. Sciences	No Position

2. Members of various clubs participated in the Program for youth development titled "Talent Hunt organized through Arts Councils. The program included activities related to Fine Arts, Music, Theatre, Crafts & Literature" in Nusrat Fateh Ali Khan Auditorium 2020-21.
3. The Senior Tutor Office and various clubs participated in the "Celebration of International Civil Defense day on 1st March, 2021 at District Council, Faisalabad.
4. The Senior Tutor Office organized a "Seminar on Harassment of Women at Workplace and Women property rights on 06-03-2021" at FMC Hall Faisalabad on the directive of the Office of the Deputy Commissioner, Faisalabad. The event highlighted UAF's commitment to the cause of gender equality and meritocracy in Pakistan. The female students and staff were inspired to spread awareness about the systems of reportage and redressal both at the institutional and state level. They were also educated for their proper behavioural conditioning and concerted public response to the events of individual and collected abuse in society, especially at workplace.
6. The various clubs participated in, "2021 Adabi Muqablajaat" held in Govt. Postgraduate College, Jaranwala from March 01 to 02, 2021.

The details are as under:

SN	Regd. No.	Name of Student	Class	Remarks
1.	2019-ag-9576	Mr. Syed Muqeel Haider Bukhari	B.Sc. (Hons.) Biochemistry	1 st Position Urdu Nazm 3 rd Position Urdu Ghazal
2.	2014-ag-3432	Mr. Irfan Waris	B.Sc. (Hons.) Agri. Marketing	2 nd Position Punjabi Ghazal 2 nd Position Punjabi Nazm

7. The members of Society of Agri. Writer (SAW) participated in the "10th All Pakistan Literary Festival "Mehshar-e-Khayal '21" held in the University of Engineering and Technology, Lahore, on May 22, 2021.

The details are as under:

SN	Regd. No.	Name of Student	Class	Remarks
1.	2017-ag-8140	Miss. Momina Ahsan	DVM	1 st Position Screen Play
2.	2020-ag-2622	Mr. Ibrahim Taqi	B.Sc. (Hons.) Agri. Sciences	3 rd Position Naat
3.	2019-ag-9576	Mr. Syed Muqeel Haider Bukhari	B.Sc. (Hons.) Biochemistry	2 nd Position Ashra 3 rd Position Bait Bazi 3 rd Position Urdu Nazm 2 nd Position Hamd
4.	2019-ag-9576	Mr. Hamza Ramzan	B.Sc. (Hons.) Agri. Sciences (PBG)	1 st Position Essay Writing
5.	2014-ag-3432	Mr. Irfan Waris	B.Sc. (Hons.) Agri. Marketing	2 nd Position Bait Bazi 1 st Position Punjab Ghazal
6.	2018-ag-7001	Miss. Nafisa Batool	B.Sc. (Hons.) Agri. Sciences	2 nd Position 100 Lafzi Kahani
8.	"Urdu Quiz Competition in Connection with 14 th August (Independence Day 2021)" held in PTV Center Studio, Lahore on 14 th , 21 th & 28 th July, 2021.			

Host

Pakistan Television Corporation Limited hosted a quiz competition in which 18 universities of Punjab participated. Quiz Club, UAF also made appearance in this event.

Types of Rounds

- Qualifying Round:**
 The qualifying round was the first initial round in which all teams participated. Quiz club performed immensely outstanding in this round and remained at the top by securing 1st position in this round.
 - Quarter Final Round:**
 Quiz Club UAF qualified for this round after securing the top slot in the qualifying round. Quiz club UAF competed with GCU Lahore and GC Women University. Quiz Club UAF again secured top position by defeating both teams.
 - Semi-Finals Round:**
 Quiz Club UAF qualified for this round after securing the top slot in the quarter final round. Quiz Club UAF competed with NUML University, Mianwali. Quiz Club team tried to put in the best efforts but unfortunately did not qualify for the finals.
 - Prize Distribution Ceremony:**
 At the end of the event, our host arranged a prize distribution ceremony. Quiz Club UAF secured overall 3rd position in this event. It was a great pleasure and experience.
9. The members of Rotaract Club participated in the "12th Annual Rotaract District installation ceremony 2021-22" held that University of Lahore, on 04th July, 2021.



FINANCE

Financial Year at a Glance 2020-21

(Rs. in Million)

Receipts		Expenditure	
Opening Balance	199.795	A01 -Employees Related Expenses	2,097.907
HEC Grant	1,883.559	A02- Res. Surveys & Exploratory Operations	6.586
TTS Grant	179.639	A03-Operating Expenses	680.735
Supplementary/ Budgetary Support Developing LMS	101.740	A04- Employees' Retirement Benefits	977.676
IPFP Grant		A052-Grants (Financial Assistance)	25.200
Own Sources		A06- Transfers	431.524
	2.260	A09- Physical Assets	43.101
	2,076.391	A12- Civil Works	16.721
		A13- Repair and Maintenance	44.511
Total:	4,443.384	Total:	4,323.961

1. Recurring Budget (N.D)

i) Recurring Budget (N.D.)	=	4,323.961	million
ii) UAF Sub Campus Burewala (Non Development Punjab Govt.)	=	136.162	million
ii) Self generated income (own Sources)	=	2,097.91	million
iii) Trend of per student spending	=	0.147	million

2. Development Budget

i) HEC Funded Projects	=	364.438	million
ii) Punjab Govt. Funded Projects	=	0.000	million

3. Pension Fund

The University has created a pension fund. The portfolio of this fund has reached 2100.000 million.

4. Pension Roll

The University has started payment of online pension to its pensioners. During the year under discussion about 1560 pensioners were being paid online pension.

5. Students' Endowment Fund

Students Endowment Fund worth of Rs. 340.0 million were created in consultation with Directorate of Financial Assistance and University Advancement.

Audit Reports

The Audit and Inspection of the University Accounts was started by the Director General Audit (Civil) Punjab Lahore in 1994-95. Since then 22 Audit & Inspections have been conducted. As a result, a number of Ordinary, Advance, Proposed Draft and Draft Paras were issued by the Audit. During the Period 39 Special Departmental Accounts Committee and 14 Departmental Accounts Committee meetings have been conducted to discuss and finalize these Audit Paras. Moreover, 21 Public Accounts Committee meetings

have also been held during this period to discuss and finalize Draft Paras. The University of Agriculture, Faisalabad made strenuous efforts to get the Audit Paras settled at various forums as mentioned above. The current status of Audit Paras, settled and outstanding, has been shown in the table given below:-

Status of Audit Paras at the end of June, 2021

Detail	Ordinary Paras	Advance Paras	Draft Paras
Previous Pendency	25	184	77
Settled during 2020-21	-	09	-
Addition during 2021-22	Audit has been conducted by the O/o D.G. Audit Punjab Lahore. However, Audit & Inspection Report has not been received.		
Pendency	25	175	77



UNIVERSITY GOVERNANCE

The Senate

- (1) the Senate consists of:
 - (i) the Chancellor;
 - (ii) the Pro-Chancellor;
 - (iii) the Vice-Chancellor;
 - (iv) the members of the Syndicate;
 - (v) the Deans;
 - (vi) the Directors;
 - (vii) the University Professors and Professors Emeritus;
 - (viii) the Chairmen of the Teaching Departments;
 - (ix) the Officer or Teacher incharge of Students Affairs (by whatever designation called);
 - (x) as many University teachers as may be prescribed, subject to the maximum of fifteen including at least three female teacher of the university having at least three years service, to be elected by the university teacher from amongst themselves;
 - (xi) two students' representatives from the University Students' Union;
 - (xii) eight Experts including at least two female experts in Agriculture, Animal Husbandry and Allied Disciplines to be nominated by the Chancellor;
 - (xiii) the Registrar;
 - (xiv) the Treasurer;
 - (xv) the Controller of Examinations;
 - (xvi) the Librarian;
 - (xvii) members of the Provincial Assembly of the Punjab to be elected in the following manner:
 - (a) one member from each Division excluding Faisalabad Division to be elected by the Members of the Provincial Assembly from that Division; and
 - (b) one member from each District of the Faisalabad Division to be elected by the Members of the Provincial Assembly from that Division;
 - (xviii) two representatives of farmers and livestock members including at least one female representative to be nominated by the Chancellor; and
 - (xix) three Registered Graduates to be elected by all such graduates from among themselves.
The Chancellor, or in his absence, his nominee Chairs the Senate.
- (2) Members of the Senate, other than ex-Officio members, hold office for three years.
- (3) The Senate meets at least twice in every year on dates to be fixed by the Vice-Chancellor with the consent of the Chancellor.
- (4) The quorum for a meeting of the Senate is one-third of the total number of members, a fraction being counted as one.

Powers and duties of the Senate

Subject to the provisions of this Act, the Senate have the power-

- (a) to consider the drafts of Statutes proposed by the Syndicate and deal with them in the manner indicated in sub-section (2) of section 30;
- (b) to consider and pass resolutions on the annual report, the annual statement of accounts and the annual and revised budget estimates;
- (c) to appoint members to the Syndicate and other Authorities in accordance with the provisions of this Act;
- (d) to delegate any of its powers to an Authority or officer or a committee or sub-committee; and
- (e) to perform such other functions as may be prescribed by Statutes.

The Syndicate

- (1) The Syndicate shall consists of-
 - (i) the Vice-Chancellor, who shall, subject to section 42, be its Chairman;
 - (ii) the Pro Vice-Chancellor, if any;
 - (iii) one member of the Provincial Assembly of the Punjab to be nominated by the Speaker of the Assembly;
 - (iv) two members including at least one female member of the Senate to be elected by the Senate;
 - (v) the Chief Justice of the Lahore High Court, Lahore or his nominee from amongst the Judges of the Lahore High Court;
 - (vi) Secretary to Government of the Punjab, Agriculture Department or his representative not below the rank of Additional Secretary;
 - (vii) One nominee of the University Grants Commission;
 - (viii) One Dean to be nominated by the Chancellor on the recommendation of the Vice-Chancellor;
 - (ix) One Professor, one Associate Professor, one Assistant Professor and one such Lecturer out of whom at least one shall be a women as has completed a minimum of two years service in the University to be elected, respectively by and from amongst themselves;
 - (x) three persons of eminence including one Scholar of Islamic Jurisprudence and one woman not serving in any educational institution to be nominated by the Chancellor;
 - (xi) one female Principal of the affiliated colleges to be nominated by the Chancellor;
 - (xii) the President of the University Students Union;
 - (xiii) Secretary to Government of the Punjab, Live-stock & Dairy Development Department or his representative not below the rank of Additional Secretary;
 - (xiv) Secretary to Government of the Punjab, Finance Department or his representative not below the rank of Additional Secretary;
- (2) Members of the Syndicate, other than ex-officio members, shall hold office for three years.
- (3) The quorum for a meeting of the Syndicate shall be one-third of the total number of members, a fraction being counted as one.

Powers and duties of the Syndicate

- (1) The Syndicate be the executive body of the University and subject to the provisions of this Act and the Statutes, takes effective measures to raise the standard of teaching, research and publication and other academic pursuits and exercise general supervision over the affairs and management of the property of the University.
- (2) Without prejudice to the generality of the foregoing powers, and subject to the provisions of this Act and the Statutes, the Syndicate have the powers
 - (a) to take effective measures to raise the standard of teaching, research and publication in the light of national needs;
 - (b) to hold control and administer the property and funds of the University;
 - (c) to govern and regulate, with due regard to the advice of the Finance and Planning Committee in this behalf, the finances, accounts and investments of the University and for that purpose to appoint such agents as it may think fit;
 - (d) to consider the annual report, the annual and revised budget estimates and to advise the Senate thereon, and to reappropriate funds from one major head of expenditure to another;
 - (e) to transfer and accept transfer of movable or immovable property on behalf of the University;
 - (f) to enter into, vary, carry out and cancel contracts on behalf of the University;
 - (g) to cause proper books of account to be kept for all sums of money received and expended by the University and for the assets and liabilities of the University;
 - (h) to invest any money belonging to the University including any unapplied income in any of the securities described in section 20 of the Trusts Act, 1882, or in the purchase of

- immovable property or in such other manner, as it may determine, with the like power of varying such investments;
- (i) to receive and manage any property transferred and grants, bequests, trusts, gifts, donations, endowment and other contributions made to the University;
 - (j) to administer any funds placed at the disposal of the University for specified purposes;
 - (k) to determine the form, provide for the custody and regulate the use of the common seal of the University;
 - (l) to provide the buildings, libraries, premises, furniture, apparatus, equipment and other means required for carrying out the work of the University;
 - (m) to establish and maintain halls of residence and hostels or approve or license hostels or lodgings for the residence of students;
 - (n) to affiliate and disaffiliate colleges;
 - (o) to admit educational institutions to the privileges of the University and withdraw such privileges;
 - (p) to arrange for the Inspections of colleges and the Teaching Departments;
 - (q) to institute Professorship, Associate Professorship, Assistant Professorship, Lecturership and other teaching posts or to suspend or to abolish such posts;
 - (r) to create, suspend or abolish such administrative, research, extension or other post, as may be necessary;
 - (s) to appoint University teachers and other officers in the National Pay Scale 17 and above on the recommendation of the Selection Board constituted under the First Statutes;
 - (t) to appoint Professor Emeritus on such terms and conditions as may be prescribed;
 - (u) to confer Honorary Degrees in accordance with the conditions prescribed;
 - (v) to prescribe the duties of officers, teachers and other employees of the University;
 - (w) to suspend, punish and remove from service in the prescribed manner such officers, teachers and other employees as are appointed by the Syndicate;
 - (x) to report to the Senate on matters on which it has been asked to report;
 - (y) to appoint members to the various Authorities in accordance with the provisions of this Act;
 - (z) to propose drafts for Statutes for submission to the Senate;
 - (aa) to consider and deal in the manner prescribed in sub-section (2) of section 31, the Regulations made by the Academic Council; provided that the Syndicate may frame a Regulation at its own initiative and approve it after calling for the advice of the Academic Council;
 - (bb) to regulate, determine and administer all other matters concerning the University and exercise all other powers in this behalf;
 - (cc) to delegate any of its powers to an Authority or Officer or a Committee or sub-committee; and
 - (dd) to perform such other functions as have been assigned to it by the other provisions of this Act or the Statutes.

Academic Council

- (1) The Academic Council consists of-
 - (i) the Vice-Chancellor (Chairman);
 - (ii) the Deans;
 - (iii) the Directors;
 - (iv) the University Professors including Professors Emeritus;
 - (v) the Chairmen of the Teaching Departments;
 - (vi) all Associate Professors, other than Chairmen of the Teaching Departments;
 - (vii) two Assistant Professors, two Lecturers and two Instructors out of them at least two women to be

- elected by and from among themselves;
- (viii) the Registrar;
- (ix) the Librarian;
- (x) the Controller of Examinations;
- (xi) two Agricultural Scientists to be nominated by the Chancellor; and
- (xii) one nominee of the Pakistan Agricultural Research Council.
- (2) Members appointed by nomination or election hold office for three years.
- (3) The quorum for a meeting of the Academic Council is one-third of the total number of members.

Powers and Duties of the Academic Council

- (1) The Academic Council is the academic body of the University and shall, subject to the provisions of this Act and the Statutes, have the power to lay down proper standards of instruction, research, publications, and examinations and to regulate and promote the academic life of the University and the colleges.
- (2) Without prejudice to the generality of the foregoing powers, and subject to the provisions of this Act and Statutes, the Academic Council is have the powers-
 - (a) to advise the Syndicate on academic matters;
 - (b) to regulate the conduct of teaching, research, publication and examinations;
 - (c) to regulate the admission of students to the courses of studies and examinations in the University;
 - (d) to regulate the conduct and discipline of the students of the University;
 - (e) to propose to the Syndicate schemes for the constitution and organization of Faculties, Teaching Departments and Boards of Studies;
 - (f) to consider or formulate proposals for the planning and development of teaching and research in the university;
 - (g) to make Regulations, on the recommendations of the Boards of Faculties and the Boards of Studies, prescribing the courses of studies, the syllabi and the outlines of tests for all University examinations; provided that if the recommendations of the Board of a Faculty or a Board of Studies are not received by the prescribed date, the Academic Council may, subject to the approval of the Syndicate, continue for the next year the courses of studies already prescribed for an examination;
 - (h) to recognize the examinations of other Universities or examining bodies as equivalent to the corresponding examinations of the University;
 - (i) to regulate the award of studentships, scholarships, exhibitions, medals and prizes;
 - (j) to frame Regulations for submission to the Syndicate;
 - (k) to appoint members to the various Authorities in accordance with the provisions of this Act; and
 - (l) to perform such other functions as may be prescribed by the Statutes.

Senate meetings

1. 10.09.2020

Syndicate meetings

1. 08.08.2020
2. 16.11.2020
3. 23.08.2021

Academic Council meetings

1. 16.07.2020
2. 04.12.2020

Deans' Committee meetings

1. 07.07.2020
2. 24.08.2020
3. 09.09.2020
4. 22.09.2020
5. 01.10.2020
6. 23.10.2020
7. 03.11.2020
8. 13.11.2020
9. 27.11.2020



HEALTH CENTRE/MEDICAL FACILITIES

Medical and Health Centre comprises of two wings i.e. Male and Female medical Centre. Male Centre is run by the two male doctors, one Senior Medical Officer (Staff) and One Senior Medical Officer for Students. Dental Surgeon is providing dental treatment to dental patients. Female centre is run by Women Medical Officer to provide medical facilities to female students/families.

The Report of the Year 2020-21, is Submitted as follows;

SN	SUBJECT	STATUS
1	No. of Medical Officers	Nil.
2	No. of Women Medical Officer	One Women Medical Officer (SMO, Additional Charge).
3	Dental Surgeon	Nil.
4	Dental Treatment	According to the Annual patient's sick report of fiscal year 2020-2021, 789 dental patients were examined and treated.
5	Female Dispensary	In the Female Centre, Antenatal Examination was carried out and minor Gynecologist problems were dealt. A vast number of family patients & dressing patients (9252) and numbers of female students (2637) were provided medical coverage at the center for fiscal year 2020-2021.
6	Ambulance Services	One ambulance is available for the transportation of emergencies patients to the local and outstation Hospitals.
7	Clinical Laboratory	A number of 4974 patients were examined and 24870 tests were carried out for fiscal year 2020-2021.
8	Trauma Emergency	1461 emergencies for road side accident, trauma chemical burn, elect shock were dealt during the year 2020-2021.
9	Sick Reports for Staff	According to the annual staff patient's sick reports of fiscal year 2020-2021, 1272 sick patients were examined and treated.
10	Sick Reports for Students	According to the annual student's sick reports of fiscal year 2020-2021, 11075 sick patients were examined and treated.
11	Vaccination Facility	Road side accident vaccination facilities were provided to University student's Employees & their families.
12	Medical coverage for the enter test for Medical College	Medical Coverage were provided for the entry test examination for the medical college, Punjab Government.
13	Medical Coverage for the entry test in University of Agriculture, Faisalabad	Medical coverage was provided for the entry test examination for admission in the university of Agriculture, Faisalabad.
14	Medical Coverage for Sports Gala	Medical coverage was provided on the occasion of Annual Inter Hostel Sports Gala conducted by the Agriculture Faculty 2020.
15	Hepatitis Test in Medical & Health Centre, UAF	Screening test for HCV & HBV were provided to the university students, Employees and their Families.

DEPARTMENT OF PUBLIC RELATIONS AND PUBLICATIONS (PRP)

The department of PRP consists two components:

- (i) Information and Pictorial Publicity Section (IPPS)
- (ii) University Press.

The University maintains well organized Public Relations and Publication services for the projection of the institution and highlighting the achievements of its scientists, scholars and students in print and electronic media. The Campus News usually appears once a week to keep the staff and students updated about the university activities and other information like career opportunities, quotations, PhD theses/synopsis defence, scholarships, tender and auction notices etc. On some special occasions, a Newsletter is also printed to highlight the pleasant vistas of the varsity and to showcase its success stories for the information of the general public and other stakeholders.

The PRP department is responsible for issuing handouts and pictorial publicity of the functions and ceremonies arranged by various departments of the University. The department is providing information about the infrastructure of disciplines, schedule of admissions in various degree programs and other demand based information. This office is also dealing with the complaints launched through PM Portal and also respond to the applications received under Punjab Transparency and Right to Information Act 2013.

A number of scientific journals, books, calendars, prospectuses, leaflets, contingent bills, and bulletins including University Annual Report are regularly published by the University Press. Many of these publications are in great demand among the general public and enlightened agriculturists. Undergraduate and postgraduate degrees are also publish by the University Press.

Media Coverage

The Information and Pictorial Publicity Section arranges media coverage of all the special events subsequently held at the University. All the electronic media channels and international and national press are facilitated with excellent residential facilities and other relevant support. Information and Pictorial Publicity Section of the PRP Department also issues handouts to both electronic and print media and attains excellent coverage. Moreover, the IPPS invites different TV channels to make documentaries and conduct talk shows, quiz competitions and interviews of students, researchers and renowned scientists of the country.

Campus News

The IPPS publishes "Campus News" at campus level to highlight the important news of various departments and activities taking place at the campus such as PhD thesis/synopsis defence, tender notices, auctions and other University advertisements. It is also a source of information for the teaching community as well as the students for their areas of interest. It is published once a week, whereas the Special Campus News is also arranged to highlight the events of the great importance.

PM Citizen Portal

This very office is also dealing with the affairs of Prime Minister Citizen Portal as focal person/dashboard handler on the behalf of the vice chancellor. A citizen, who is facing some problems/issues regarding the university, launches his complaints through PM Portal and the focal person/dashboard handlers, after getting response from the concerned office, used to resolve the complaint(s) in accordance with the relevant rules, regulations and provisions of statutory bodies within the stipulated timeframe. This new system helps the citizens to get his/her issue resolved at earliest and on the other hand, the varsity management also formulates necessary rules and regulations for resolving the issues by easing out the bottlenecks and procedural hurdles.

Punjab Transparency and Right to Information Act, 2013

This office is also responsible to respond the citizen who intends to seek information of the university through Punjab Transparency and Right to Information Act, 2013. A person submits or dispatches his application with detail of the requisite information and this office, after obtaining the requisite information from the concerned office, forward the same to the citizen within stipulated timeframe of the receipt of application in the office.

Brochures/ Banners

The department publishes brochures and banners on every significant event. This work gets final compilation at University Press, while technical assistance in designing, photography and information of brochures and banners is provided by the Information and Pictorial Publicity Section.

Newsletters

The publication of the University Newsletters is a significant and pleasant feature of the PRP. The Newsletters are being sent to all universities of national repute, departments relating to agriculture and livestock sectors, and to the electronic and print media offices. The purpose of the University Newsletters is to highlight the activities of students, researchers and different departments of the University.

Annual Reports

The department of PRP compiles and publishes Annual Report every year. The Annual Report is being published in line with the directives and guidelines of the worthy Chancellor/Governor of the Punjab. All the faculties, directorates and departments provide their annual activities report to the PRP department. As per pervious practice, the Worthy Vice Chancellor constitutes a committee for collecting, editing, composing, designing and publishing the annual report for the year under consideration.

Audio-Visual Lab

To meet the emerging challenges of ever-new technology and make an effective use of the media in bringing forward a pleasant and soft image of the University, an audio-visual lab has been established at the PRP department for preparing video documentaries on various activities taking place at the Campus in the field of research, academic, curricular, co-curricular activities and other ongoing research projects funded by different government and non-government funding agencies.

Kisht-E-Nau

The department of PRP has been facilitating the Office of Books and Magazines for the printing of the University student's magazine "Kisht-e-Nau" for the last many years. The department extends technical assistance to the Editorial Board as well as to the OUBM. In this regard, a photographer from the PRP department is being deputed for the purpose as and when needed.

Event Management

The department of PRP used to organize different events of national interests. The events organized to create awareness and address the different challenges confronting the agricultural, economic and social sectors. The department looks after all activities of the seminar, conferences and special lectures etc.

Protocol Duties

The department performs the protocol duties of high-level delegations who visit the varsity. The department staff remains busy in providing the services ranging from the receiving at varsity to the visit of different departments.

Documentaries

The department develops the documentaries on different issues and events organized by UAF to raise awareness among the masses. The documentaries highlight various aspects of the technologies developed by the UAF scientists along with operational techniques for the benefit of the farming community.

Prospectus/Admission Guidelines

The department develops the prospectus of undergraduate and postgraduate level. The staff of the department, staff after collecting the information, designs and gets printed the prospectus in order to facilitate new comers about rules, degree programs and other necessary information.



OFFICE OF THE UNIVERSITY BOOKS AND MAGAZINES

OUBM publishes a number of Books/Digests/Pamphlets/Research Reports/Magazines in both Urdu and English languages, and seems a big source of information for local community and farmers (end-users) through Zarai Digest, Kisht-e-Nau, Ista'ara, Project Reports, Agri. Pamphlets, Brochures, Leaflets, Special Numbers regarding cash crops, livestock, fisheries, fruits and vegetables, baking, poultry etc.

Staff	Incharge	01
	Editor	01
	Research Officer	01
	Artist	02
	Office Assistant	01
	Urdu Typist	02
	Qasid	01
Total		09
University Outreach Publications	1. Quarterly Zarai Digest	04
	2. Student Magazines Kisht e Nau	01
Total		05



CONFUCIUS INSTITUTE-UNIVERSITY OF AGRICULTURE, FAISALABAD (CI-UAF)

Summary

By the Joint efforts of two collaborative partners Xinjiang Agricultural University, Urumqi, China and the University of Agriculture Faisalabad, Pakistan, Confucius Institute at UAF (CI-UAF) was established in December 2014, with the aim to minimize the language barrier and to open the doors of new opportunities between two brotherly nations. Its first official Chinese Language class was started on January 5, 2015. In the first batch, twenty (20) students were passed out from the basic Chinese language course. With the passage of time, this figure increased rapidly, according to the recent figures till June 2021. Overall more than 12000 students/staff/faculty from UAF and outside institutions have benefitted from this prestigious institute. Vision of CI-UAF is very broad. It is not only limited to the boundaries of Chinese language and cultural activities but it also provides different opportunities for the students in terms of different scholarships, events, as well as national and international competitions.

The summarized details of CI-UAF activities from July 2020- June 2021 are as under:

Achievements

Basic level language classes (HSK-1+2)

Due to the Pandemic, just one class of basic Level Language (HSK-1+2) was completed

Basic Level Language Classes (HSK-2)

One batch of Basic Level Course (HSK-2) was completed.

Elective classes in UAF (CHIN-405)

Chinese language course CHIN-405 was offered online as an elective course for the Faculty of Agriculture, Agriculture Engineering and Technology, Faculty of Veterinary Sciences, and Faculty of Food, Nutrition and Home Sciences with at least 25 sections each of 50 students.

New teachers

In March, three (03) Pakistani teachers and in April, three (03) new Chinese teachers (Mr. Ma Xinjun, Mr. Wang Zi tao and Mr. Dong Ye) became the part of CI-UAF family

Hanyu shuiping kaoshi (HSK) (Chinese Proficiency Test)

Eight (8) HSK tests were successfully conducted from July 2020 to June 2021 at UAF test center.

Language courses offered in subsets

- **Government College Women University, Faisalabad**
In Government College Women University, Faisalabad, Chinese language course CHIN-405 was taught in 2 sections each containing 50 students
- **University of Engineering and Technology (UET), Lahore**
In UET Lahore, Chinese language course is named as International language course. Since last one year, ten (10) sections, each containing 50 students, were taught.
- **Karakoram International University (KIU), Gilgit Baltistan**
In CI-KIU, four (04) paid courses and 12 sections of elective classes, each containing 50 students, were completed

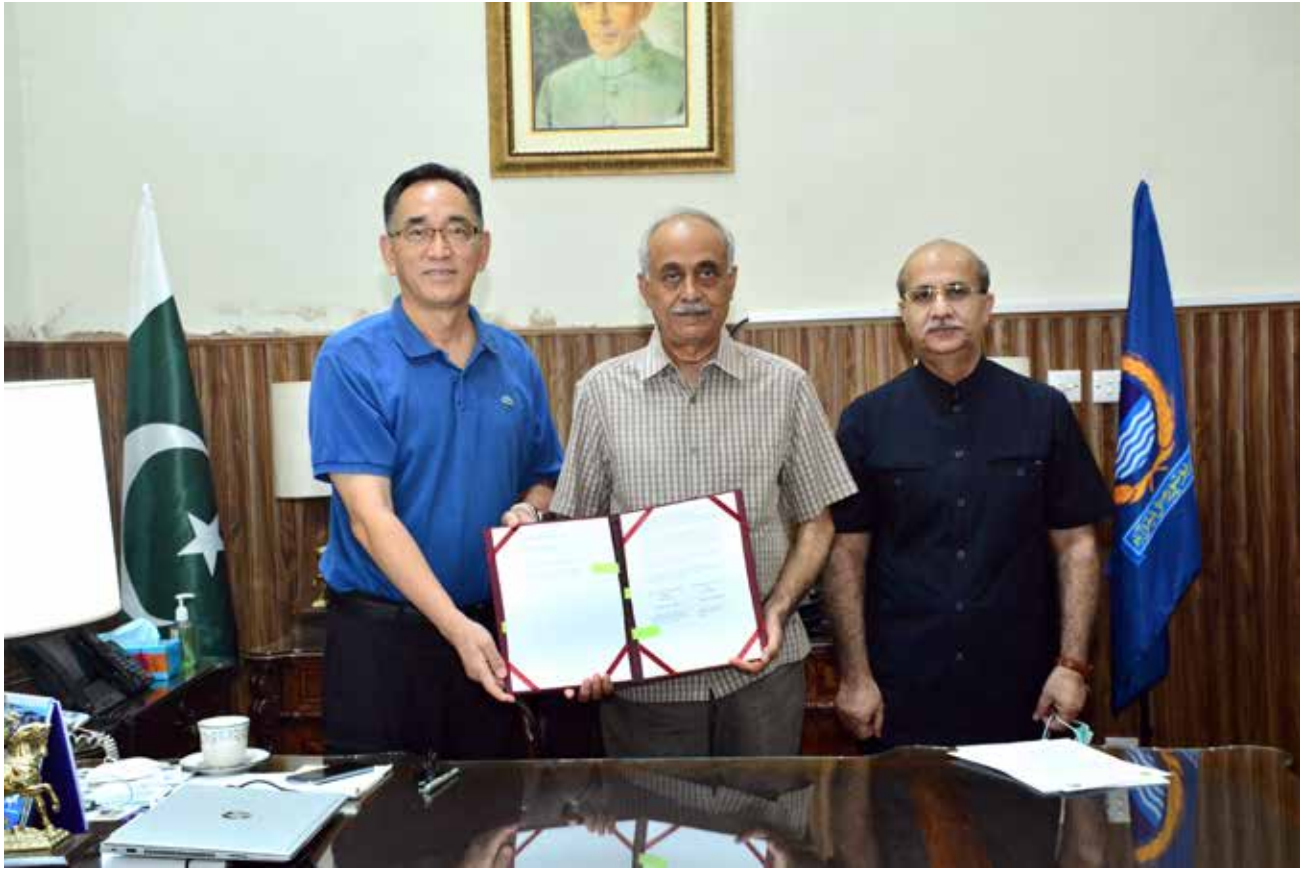
- **Board of Director's meeting**

6th BOD meeting of CI-UAF was held on November 6th, 2020 at 10 AM in the meeting room of the office of Vice Chancellor

Objectives

1. Teaching Chinese language and providing Chinese language teaching resources
2. Training Chinese language instructors
3. Holding the HSK examination (Chinese Proficiency Test) tests for the Certification of the Chinese Language Teachers
4. Providing information and consultative services concerning Chinese education, culture, and so forth
5. Conducting language and cultural exchange activities
6. Other activities with authorization and by appointment of the Headquarters





CENTRE FOR ADVANCED STUDIES IN AGRICULTURE AND FOOD SECURITY (CAS-AFS)

Center for Advanced Studies in Agriculture and Food Security at the University of Agriculture-Faisalabad was jointly designed and established by HEC and USAID. The initiative aimed to build the capacity of UAF in finding innovative solutions to national and global challenges related to food and nutritional security. Recently, an Agreement of Cooperation (AOC) has been signed by UCD and UAF to continue collaboration in research and education between the two institutions. CAS-AFS is also a designated D-8 Research Center under the D-8 Organization. The D-8, also known as Developing-8, is an intergovernmental organization of eight developing countries (Bangladesh, Egypt, Indonesia, Iran, Malaysia, Nigeria, Pakistan and Turkey) established to improve member countries' position in the global economy, diversify and create new opportunities in trade relations, enhance participation in decision-making at international level, and improve standards of living. CAS-AFS was selected due to its state-of-the-art research and academic resources in the domain of agriculture and food security and its location in the top agricultural institution of Pakistan.



CAS-AFS Facilities/Infrastructure

Covering a 56196-sq. ft., the Centre's building is an architectural landmark located in the heart of the main UAF campus. This energy- and space-efficient three storey building houses state-of-the art research and teaching laboratories, fully equipped conference/lecture theatre, advanced computer and electronic labs and a dedicated library. In addition to perform modern teaching and research, the building has the capacity to convene policy dialogues, conferences, and training workshops for stakeholder consultation and broad dissemination of knowledge and technologies. The building has installed modern equipment (costing >\$2m) to support campus wide research in areas of agriculture and food security.

The following is the list of fully equipped thematic lab under CAS setup:

- | | |
|------------------------------|-----------------------------|
| 1. One Health Lab | 2. Nutrition Lab |
| 3. Wheat Biology Lab | 4. Chickpea Lab |
| 5. Soybean Lab | 6. Tree Pathology Lab |
| 7. Transformation Lab | 8. Cotton Biotechnology Lab |
| 9. Precision Agriculture Lab | 10. Climate Change Lab |
| 11. Central Analytical Lab | 12. Equipment Repair Lab |

In addition to recently developed resources at CAS, the UAF has rich source of infrastructure and facilities like experimental farms, greenhouses, Hi-Tech lab and several equipments present in different departments of faculties. Resources of CAS as well as UAF are readily available for use by every researcher and student.

Infrastructure Development

- Auditorium
- Library
- 04 Lecture Rooms/Theaters
- 02 Teaching Labs
- 12 Thematic Research Lab
- Student's Common Rooms/Lockers
- RO & Water Treatment Plant

