CURRICULUM VITAE

1. Full name: Ejaz Ahmad Waraich

2. Father's name: Ch. Lal Khan

3. Date of birth: April 15, 1973

4. Place of birth: Gujranwala, Punjab, Pakistan

5. Gender: Male

6. Marital status: Married

7. C.N.I.C. No.: 34101-2473481-9

8. Permanent address: Bakhray wali Khurid P.O. Bakhray Wali Kalan Tehsil

&

District Gujranwala, Punjab, Pakistan.

9. Mailing address: Dept. of Agronomy, University of Agriculture,

Faisalabad, Punjab, Pakistan

Tel: 92-0336-6553081.

Fax: 92-041-9200764 (attentions Ejaz Ahmad

Waraich)

E-mail: uaf_ewarraich@yahoo.com

10. Education:

Name of Institution	Degree/Certificate	Major	Year	Grade/
		Subjects	attained	Division
University of	Endeavour	Soil Ecology	June 2015- October 2015	
Adelaide	Executive			
Australia	Fellowship			
University of	Endeavour Research	Plant Nutrition	March 2011 –	August 2011
Western Australia	Fellowship			
	(Post – Doctorate)			
University of		Plant		
Manitoba, Winnipeg,	Post – Doctorate	Molecular	G 4 2000	g 4 2000
Canada		Biology	Sept.2008 -	Sept.2009
University of	PhD	Agronomy	2006	4.00/4.00
Agriculture,				
Faisalabad				
University of	M.Sc. (Hons.)	Agronomy	2001	CGPA:
Agriculture,	Agriculture			3.82/4.00
Faisalabad				
University of	B.Sc. (Hons.)	Agronomy	1999	CGPA:
Agriculture,	Agriculture			3.86/4.00
Faisalabad				
Govt. College	F.Sc.	Pre-medical	1991	Ist
Gujranwala				
Govt. P.B. Model	Matriculation	Science group	1989	Ist
High				
School, Gujranwala.				



11. References:

1. Professor Dr. Rashid Ahmad, Supervisor of Ph.D studies, Department of Agronomy, University of Agriculture, Faisalabad, Pakistan.

Email: uaf_rashid@yahoo.com

2. Dr. Zed Rengel. School of Earth and Environment, The University of Western Australia (M087), 35 Stirling Highway, CRAWLEY WA 6009, Australia

E.mail: zed.rengel@uwa.edu.au

3. Dr Ann McNeill. School of Agriculture, Food and Wine, The University of Adelaide, South Australia, Wait Campus, SA 5005.

E.Mail: ann.mcneill@adelaide.edu.au

12. Special Trainings Received

Field of training	Name of the Institution	Duration
Descend Orientation	Hairragita of Assisultura Esisalahad	2 Weeks
Research Orientation	University of Agriculture, Faisalabad	2 Weeks
Program on Research		
Methodology and analytical		
Techniques		
Scientific research and report	University of Agriculture, Faisalabad	1 Week
writing		
Statistica	University of Agriculture, Faisalabad	1 Week
Effective Teaching	Department of Education and Extension,	4 Weeks
	University of Agriculture, Faisalabad	
R-Programming	A short-term training Programme on "An	4 Weeks
	introduction to R-Programming language for	
	statistical computing" Organized by	
	Department of Mathematics & statistics,	
	University of Agriculture, Faisalabad.	
Adaptation to drought	A short-term training organized by University	1 week
	of Western Australia & Murdoch University	
	From 27 th – 31 st August 2013.	

13. Additional Skills:

a. Computer Skills

Fair expertise with computer environment and computer softwares such as Word Processing (MS Word and Word Perfect) Spread sheets (MS Excel), Presentation (MS Power Point) and Statistical (SAS and MSTAT).

b. Languages and Degree of Proficiency

Language	Read	Write	Speak
English	Good	Good	Good
Urdu	Excellent	Excellent	Very Good
Punjabi	Good	Fair	Excellent
Arabic	Good	Good	Fair

14. Honors and Awards:

- Won Endeavour Executive award 2015 from Govt. of Australia.
- Won Research productivity award 2013-14 from Pakistan Council for Science and Technology
- Won NARS young scientist award for a short-term training on "Adaptation to drought" and interdrought VI conference organized by University of Western Australia & Murdoch University From 26th August 6th September 2013.
- Won Research productivity award 2012-13 from Pakistan Council for Science and Technology.
- Won Research productivity award 2011-12 from Pakistan Council for Science and Technology.
- Won Endeavour Research Fellowship award-2011 from the Govt. of Australia.
- Won international award of the best paper of the conference in the TOPIC
 1: Hydrology and Water Resource in 14th International Water Technology Conference 2010. CAIRO, EGYPT, March 21-23, 2010, by His Royal Highness PRINCE SULTAN BIN ABUDULAZIZ.
- First position in the department in M.Sc. (Hons) Crop Physiology.
- Second Position in department in B.Sc. (Hons) Agronomy.
- Ph.D merit scholarship awarded by HEC, Ministry of science and technology Govt. of Pakistan.
- Won Merit scholarship for two years in M.Sc. (Hons) Agriculture.
- Won Merit scholarship for four years in B.Sc. (Hons) Agriculture.
- Won Star laureate award 2007 from south Asian Publications.
- Won HEC Post-doc fellowship award 2008-09.
- Letter of appreciation from the Vice-Chancellor, on Independence Day Celebrations-2001, University of Agriculture, Faisalabad.
- Develop new technique (Raised bed) for enhancing water use efficiency in wheat.
- First division throughout the academic career
- Certificate of Best English speaker in 1989.
- Certificate of best cricket Player.

15. Professional Experience:

Institution	Post/designation	Description	From	To
University of Agriculture, Faisalabad, Pakistan	Associate Professor (Regular)	Teaching and Research in the field of Agronomy/ Crop Physiology	30-8-2019	To date
University of Agriculture, Faisalabad, Pakistan	Assistant Professor (Regular)	Teaching and Research in the field of Crop Physiology	11-8-2008	30-08- 2019
University of Agriculture, Faisalabad, Pakistan	Assistant Professor (Adhoc)	Teaching and Research in the field of Crop Physiology	6-11-2006	10-08- 2008
University of Agriculture, Faisalabad, Pakistan	Lecturer (Regular)	Teaching and Research in the field of Crop Physiology	2003	2006
University of Agriculture, Faisalabad, Pakistan	Lecturer (on contract basis)	Teaching and Research in the field of Crop Physiology	2000	2003

Administrative/Co-Curricular Experience:

1. Working as a Paper setter/ Examiner of Ph.D comprehensive Examination from 2007 to date.	2007 to date
2. Working as a committee member of improvement of postgraduate student's layout plans in the department of Agronomy.	2015 to date
3. Working as a committee member of scrutiny committee of postgraduate student's Synopsis in the department of Agronomy.	2015 to date
4. Working as a committee member of oral evaluation committee for the internship programme of B.Sc. (Hons) agri. 8 th semester, major Agronomy.	2015 to date
 Working as incharge Stress physiology laboratory, Department of Crop Physiology, University of Agriculture, Faisalabad. 	2007 to date
6. Worked as a Director Graduate Studies, University of Agriculture, Faisalabad.	2019-2021
7. Worked as protocol officer to Vice Chancellor, University of Agriculture, Faisalabad.	2007 - 2008
8. Worked as a member of equivalence committee, University	2019-20

of Agriculture, Faisalabad.

9. Worked as a member of the committee to look into the matter and to make arrangements for allotment of suitable rooms/space at main campus to the faculty members of UAF sub-campuses for supervising the research of the students.	2020
10. Worked as a member of the committee to develop Standard2021Operative Procedures (SOPs) for conducting Thesis Research in the Research Institutes other than UAF.	2019-
11. Worked as a member of the committee to resolve the issue of DVM students and make recommendations regarding "Scheme of studies" (old and new).	2020
12. Worked as a member of scrutiny committee of applications of the candidates for FAFU Scholarships.	2020
13. Worked as a member of the committee to thrash out the matter regarding the issuance of re-admission notification of spring semester 2018-19 (Ex-post Facto).	2020
14. Worked as a committee member to conduct entry test for admission to undergraduate and post graduate program for the academic session 2020-21.	2020
15. Worked as a member of the committee to thrash out the SOPs devised by specialized health care and medical education department, Higher education department and School Education Department.	2020
16. Worked as a Member of the committee of stakeholders to prepare key performance indicators and targets for 2020-21 – 2022-23.	2020
17. Worked as a convener of the committee, constituted by the syndicate,	2020

for Mr. Umar Maqsood, Department of Food Engineering.	
18. Worked as a member of the institutional Scholarship award committee	2020
(ISAC) for the Punjab Educational Endowment Fund Scholarship.	
10. Worked as a member of "conflict of interest committee" for drafting	2020
19. Worked as a member of "conflict of interest committee" for drafting	2020
a comprehensive policy for approval of statutory bodies.	
20. Worked as a member of the committee to thrash admission of	2020
M.Phil. Human Nutrition and Dietetics and take out justifiable	
solution to give space to UAF graduates for admission in	
M.Phil. Human Nutrition and Dietetics.	
21. Member of the committee to thrash out the HEC policy on	2021
Ph.D. degree programs.	
22. Worked as a committee member of technical.	
scrutiny in the international workshop on	
"Biofortification of staple crop: A solution to combat Malnutrition"	
from March 29-31, 2015	
23. Organized trainings of students, Farmers and	2013-2016
field assistants in Districts Sargodha, Okara and	
Sheikhupura, how to produce more vegetables	
under changing climatic conditions	
24. Organized an international Seminar on "Heat Stress	June 2014
alleviation in summer vegetables- enhancing the use of	
genetic diversity in central Punjab Pakistan" and "Nuflora-A University of Sydney Company	
(Public-Private Partnership).	
25. Organized an international workshop on	Dec. 2015
"Vegetable seed production" as a Co-Project leader	
Funded by ACIAR project at University of Agriculture, Faisalabad.	
26. Worked as course coordinator, C. Phy.101	2012-April
2013	•
Department of Crop Physiology, University of Agriculture, Faisalabad.	
Carriery of Agriculture, Automatona.	

27. Worked as member of the advisory board of

	- , -
"The Agrarian Society" University of Agriculture, Faisalabad.	2007
28. Worked as a member of registration committee, for International symposium on "Sustainable Agriculture and integrated crop improvement" 14 th-16th September 2006. UAF, Faisalabad	2006
29. Worked as a member of Exhibition committee, for international symposium on "Sustainable Agriculture and integrated crop improvement" 14 th -16 th sept.2006. Faculty of Agriculture, University of Agriculture, Faisalabad.	2006
30. Worked as Assistant Superintendents of various Hostels For 6 years Univ. of Agri. Faisalabad, Pakistan.	(2000-2006)
31. Worked as a manager of Research Farm for 8 years, Dept. of Crop Physiology Univ. of Agri. Faisalabad, Pakistan	(2000-2006) (2010-2012)
32. Worked a member, Faculty Board, Faculty of Agriculture Univ. of Agri. Faisalabad, Pakistan.	2006 to 2015
33. Worked as a member of Accommodation Committee, "International Workshop on Cotton" Faculty of Agriculture, University of Agriculture, Faisalabad.	2004
34. Worked as a President, Society of Crop Physiology, 4 years, Faculty of Agriculture, University of Agriculture, Faisalabad.	(2000-2004)
35. Worked as a member of the Committee, for the maintenance of law and order, University of Agriculture, Faisalabad.	2004.

17. Professional Activities

a. Memberships in professional and scholarly organizations

- Member Pakistan Society for Horticultural Science from 2021
- Member Soil Science Society of Pakistan from 1999- to date
- Member of Pakistan society of Agronomy from 1999- to date
- Worked as Team member of QEC self-assessment team of Dept. of Crop Physiology
- Worked as a member, Faculty Board, Faculty of Agriculture Univ. of Agri. Faisalabad, Pakistan.
- Worked as Secretary board of studies in the department of Crop Physiology, University of Agriculture.
- Worked as Member of advisory board "The Agrarian Society" Faculty of Agriculture, University of Agriculture, Faisalabad

b. Participation in colloquia, seminars, conferences, workshops etc.

E 1 2000	C ' WE ' AD HA' TE A DIT ' CA ' I
February 2000	Seminar on "Environmental Pollution and Forestry" University of Agriculture, Faisalabad
February 2000	Seminar on "Chemical Control of Weeds" organized by Cyanamid Pakistan
	Ltd. at University of Agriculture, Faisalabad
March 2000	Seminar on "Land Resources of Pakistan and our Priorities" University of
	Agriculture, Faisalabad
March 2000	Special Lecture by N.A. Borlauge at University of Agriculture, Faisalabad
March 2000	National Food Security Workshop, University of Agriculture, Faisalabad
April 2000	Seminar on Global Marketing; Opportunities and Challenges, University of Agriculture, Faisalabad
May 2000	Special lecture on "Role of Agricultural Business in Pakistan's Economy",
	University of Agriculture, Faisalabad
June 2000	Seminar on "2000-Environment Millennium, time to act" University of
	Agriculture, Faisalabad
March 2001	21st Pakistan Congress of Zoology, University of Agriculture, Faisalabad
April 2001	Special Lecture "Global Warming and Water Crises", University of
	Agriculture, Faisalabad
April 2001	2 nd National Seminar on Drainage in Pakistan, University of Agriculture,
1-19111 2001	Faisalabad Pakistan
April 2001	Seminar on World Trade Organization (WTO) Agreements: Impacts on
1	Pakistan Agriculture, University of Agriculture, Faisalabad Pakistan
August 2001	Seminar on Preventing Narcotics in Pakistan, University of Agriculture,
	Faisalabad Pakistan
October 2001	Seminar on Deregulation on Agricultural Prices, University of Agriculture,
	Faisalabad Pakistan
December	Seminar on Afforestation and sustainable Forest Management organized By
16-21,2002	Asian Productivity Organization (APO, Japan), University of Agriculture,
	Faisalabad, Pakistan
December	33 rd All Pakistan Science Conference, University of Agriculture, Faisalabad,
25-28, 2002	Pakistan
June, 2003	Water: Two Billion People dying for it. A seminar held at UAF on World
	Water Day
June 2003	Metals in used water: Challenge to agriculture and their local management,
	University of Agriculture, Faisalabad, Pakistan
July 2003	WTO and Quality Control Standardization, Seminar organized by Faculty of
	Agricultural Economics and Rural Sociology, University of Agriculture,
	Faisalabad, Pakistan
October 2003	Future of Punjab Agriculture, A seminar held at UAF on 53 rd Alumni Meet
April 2004	A seminar held on World water Day at University of Agriculture, Faisalabad,
	Pakistan
April, 2004	International workshop on Citriculture, organized by Institute of Horticultural
	Sciences, UAF
June 2005	Challenges to Food Industry in the WTO Scenario, A seminar held at UAF
December 2005	Water For Ever, Water for All. A seminar organized by Faculty of Agricultural
	Engineering and Technology, UAF
February 2006	Seminar on application of Molecular Markers in Plant Breeding. Held in
	CABB, Department of PBG, UAF
March 2006	International Symposium on Agriculture in 21st Century- Challenges and
	Strategies

May 2006	National Seminar on Soil Care for Sustainable Environment. Organized by The institute of Soil and environmental Sciences, University of Agriculture, Faisalabad
May 2006	Seminar on Biodiversity Day, organized by Department of Agri Entomology, University of Agriculture, Faisalabad, Pakistan
Sept.2006	International symposium on "Sustainable agriculture and integrated crop improvement" Faculty of Agriculture, University of Agriculture, Faisalabad
March. 2007	International symposium on "Prospects of Horticultural industry in Pakistan" Faculty of Agriculture, University of Agriculture, Faisalabad
March 18-21. 2007	International Workshop on Allelopathy "Current Trends & Future applications" Faculty of Agriculture, University of Agriculture, Faisalabad
April 2007	A national workshop on "Development of indigenous resources- The Sahiwal cattle Breed.
12-10-08	"Plant Bioterrorism myth or reality "Department of Plant Science, University of Manitoba, Winnipeg, Canada.
16-10-08	Regulation of plant embryo development <i>in vitro</i> . Department of Plant Science, University of Manitoba, Winnipeg, Canada.
5-11-2008	Functional genomics of the AP2 Transcription factor Family in cereals. Department of Plant Science, University of Manitoba, Winnipeg, Canada
13-11-2008	Of soil and Nematodes in search of productivity sustainability and health. Department of Plant Science, University of Manitoba, Winnipeg, Canada
19-11-2008	Market efficiency in western Canadian Canola Market.Department of Agribusiness and Agricultural Economics. University of Manitoba, Winnipeg, Canada
27-11-2008	The role of ABC transporters in cuticular lipid secretion and formation of plant cuticle. Department of Plant Science, University of Manitoba, Winnipeg, Canada
04-12-2008	Canadian Malting Barley "Research on mearsuring and improving quality" Department of Plant Science, University of Manitoba, Winnipeg, Canada
15-01-2009	Looking for Phosphopeptides in Fusarium graminearum. Agriculture and Agrifood Canada, Winnipeg.
21-01-2009	Managing Phosphorus for environmental and agronomic sustainability. Department of Soil Science, University of Mnitoba, Winnipeg ,Canada.
29-01-2009	Development of Molecular Marker for Pyramiding crown rust gene in Oat. Department of Plant Science, University of Manitoba, Winnipeg, Canada.
19-02-2009	Cutting to the chase: Laser capture microdisection of the Arabidopsis seeds.Department of Plant Science, University of Manitoba, Winnipeg, Canada.

05-03-2009	Transferring scotina resistance to Brassica naps.Department of Plant Science, University of Manitoba, Winnipeg, Canada.
12-03-2009	BoGSL-ELONG gene silenced by RNAi involved in reduction and induction of glucosinolates in Brassica naps.Department of Plant Science, University of Manitoba, Winnipeg, Canada.
18-03-09	Nutritional Immunology: Implications in animal production, walfare and food safety. Department of animal science, Faculty of Agricultural and Food Science, University of Manitoba, Canada.
21-23 March,2010	14 th International water technology conference, Cairo, Egypt.
18 th April, 2011	Phototropin LOV domains - serving many organisms to detect blue light signals, by Emeritus Professor Winslow Briggs, from Carnegie Institution for Science, Stanford. Organized by UWA.
27 th April, 2011	"Aus2K symposium on recent paleoclimate science' Climate Change Symposium" organized by School of Business, UWA.
6 th May, 2011	Effects of climate change on coupled water-vegetation dynamics in drylands – a simulation study By Dr. Britta Tietjen from the Potsdam Institute for Climate Impact Research, Germany delivered at UWA
10 th May 2011	Quantifying Nitrogen Fixation of <i>Acacia mangium</i> Wild. Plantations Grown at Different Levels of Phosphorus in Lematang, Sumatra. Organized by School of Plant Biology, UWA
17 th May, 2011	A seminar "Sharing my experience as Editor in Chief of Plant and Soil – stories that could fill a book" By
	Prof. Dr. Hans Lambers, organized by the Australian Society of Soil Science at UWA.
24 th May 2011	Arabidopsis thaliana cell cultures are a good model to understand how plants react to phosphate deficiency and phosphite treatment.
	Ву
	Fazila A Mannan, School of Plant Biology, UWA
30 th May 2011	Cereal yields are decreased by sub-soil salinity on a sodic soil under dry conditions. By
	Prof Ed Barrett-Lennard from the Centre for Eco hydrology, School of Plant Biology, UWA
2 nd June 2011	"Australia in the global response to climate change" organized by School Social Sciences, UWA.

January,7.2012	National seminar on "Role of Agronomy in national food security" held at
	Ayub Agricultural Research Institute, Faisalabad, Pakistan.
12-15 March-2012	14 th Congress of Soil Science, Lahore- Pakistan. 12-15 March 2012.
06-07 Nov.2012	International Symposium on use of Potassium in Pakistan organized by soil
1.1.2012	science society of Pakistan, Serina Hotel, Faisalabad, Pakistan.
January,14.2013	A seminar on "Remote sensing for monitoring agricultural crops and assessing soil salinity" organized by Saline Agriculture Research Centre, Institute of soil
	and environmental sciences, University of Agriculture, Faisalabad, Pakistan.
January, 23.2013	A one-day virtual online workshop on "Scientific Writing" held on 23 rd
	January, organized by the L.E.J National science information Centre, under the
	Virtual Education Project Pakistan.
April,11-12, .2013.	International conference "Sustainable Crop Productivity; Threats and Options"
11,711,111,12,12013.	organized by Pakistan Society of Agronomy, April 11-12, 2013.
June,4-6.2013	Ag-MIP-Pakistan kickoff Workshop & International Seminar on Climate
24 th May-14 th	Change. University of Agriculture, Faisalabad, Pakistan. A short-term training Programme on "An introduction to R-Programming"
June.2013	language for statistical computing" Organized by Department of Mathematics
	& statistics, University of Agriculture, Faisalabad.
2-6 th September-	Interdrought- IV Conference, Crown Perth, Western Australia.
2013 12 th September-	Farmer capacity building initiative, joint seminar/farmer day at Okara.
2013	Tarmer capacity building initiative, joint seminar/farmer day at Okara.
3 rd - 4 th October-	International Workshop on Seed Physiology, Production and Management
2013	
24 th October-2013	National seminar on "Cultivation of non-traditional crops in Pakistan:
	Prospective and limitations". organized by Pakistan society of Agronomy at AARI, Faisalabad.
25 th October-2013	International seminar on "Climate change and food security: Policy issues"
2.4th .27th	organized by ORIC, University of Agriculture, Faisalabad.
24 th -27 th February-2014	"More for less- Linkage to enhance livelihoods" a workshop organized by Australian Institute for sustainable communities, Faculty of ESTem,
1 Cordary-2014	University of Canberra, at Pearl Continental Bhurban.
10 th March-2014	"STEVIA" A farmer day organized by Ayub Agriculture Research Institute,
22nd M. 1. 2014	Faisalabad.
22 nd March-2014	A one-day seminar on "World Water Day & Water Energy" organised by Water Management Research Centre and Department of Irrigation and
	Drainage, University of Agriculture, Faisalabad
24-27 th March-	Workshop on biochar in Pakistan: opportunities and potential organized by
2014	University of Agriculture Faisalabad, Pakistan and
acth as a social	University of Edinburgh, UK.
26 th March-2014	An international seminar on "Heat stress alleviation in summer vegetables-
	enhancing the use of genetic diversity in central Punjab-Pakistan" and Nuflora - A University of Sydney company (Public Private Partnership organized by
	Institute of Horticulture, University of Agriculture, Faisalabad.
2 nd June-2014	Training workshop on capacity building in "Technical proposal writing for
	PARC-ALP grants" organized by Pakistan Agricultural Research Counsil
	(PARC) in collaboration with ORIC,UAF

5 th June-2014	WODI D ENVIDONMENT DAY One day Public avverages comings and
J June-2014	WORLD ENVIRONMENT DAY, One day Public awareness seminar on "Environmental Challenges" organized by Institute of soil and Environmental
	sciences,UAF.
7 th june-2014	Workshop on "Capacity building in seed technology" organized by University
	of Agriculture, Faisalabad
37 1 (20 21)	
March (29-31)	International workshop on Biofortification of staple crops : a solution to
2015	combate malnutrition. Organized by Department of Agronomy University of Agriculture, Faisalabad-
	Pakistan.
April 1 st -2015	A seminar on "Integrated value chain approach to deliver quality mangoes to
	markets" ASLP-II.
	Organized by institute of Bussiness management Sciences (IBMS) & Institute
Contour box 20th 24	of Horticultural sciences, UAF
September 20 th - 24	Attended 17 th Australian Agronomy conference held in Wrest point, Hobart, Tasmania, Australia from September 20 -24, 2015
	Tasmama, Austrana from September 20 -24, 2013
November 16 th ,	International conference on "Soil sustainability for food security" organized by
2015	Institute of soil & environmental sciences. University of Agriculture,
	Faisalabad.
November 16 th ,	International seminar on "Risk management on Agriculture" Organized by
2015	Lead Principal Investigator, AgMIP- Pakistan.
November 29 th , 2015	International workshop on "Current status of fertilizer use in Pakistan" Organized by project coordinator, Institute of soil & environmental sciences.
2013	University of Agriculture, Faisalabad.
December 8-10 th ,	Ist Pakistan seed congress, Organized by Director ORIC. University of
2015	Agriculture, Faisalabad.
December 11 th ,	International workshop on "vegetable seed production" Organized by Co-
2015	Project leader, ACIAR Funded project, Institute of Horticulture, University of
April 9 th , 2016	Agriculture, Faisalabad. Ist Stakeholders Interactive one day workshop "Prospects of new crops in
April 9 , 2010	Pakistan"
	Organized by department of Agronomy, University Agriculture, Faisalabad.
November 4 th ,	One day seminar on Indus Water Treaty: Potential treats to Pakistan Water
2016	Resources. University Agriculture, Faisalabad.
September 17-18,	International conference on "Soyabean: Challenges and opportunities"
2018 October 12 th ,2018	Organized by Dept. of Agronomy, University of Agriculture, Faisalabad. One day seminar on "Transformation of cotton production technology
00000112 ,2010	according to agro-ecological zones" organized by Dept. of Agronomy,
	University of Agriculture, Faisalabad.
November23 rd	"Carbon sequestration: A rising choice for climate smart agriculture" one day
2018	seminar organized by Dept. of Agronomy, University of Agriculture,
NI 1 coth	Faisalabad.
November 30 th 2018	"Soil-Plant-Environment nexus in Changing Climate" one day seminar
2010	organized by Saline Agriculture Research Centre and Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad.
October 28 th , 2019	National seminar on crop management strategies for enhancing farm
, 2017	productivity in Punjab organized by Agronomic Research Institute, AARI,
	Faisalabad.
October 29 th -30 th	International conference on "Green Energy Technologies: Opportunities and

,2019	challenges" Organized by UAF, ICDD and HEC.				
November 4 th	Awareness seminar on SMOG, organized by Institute of soil and				
,2020	environmental Sciences				

18. Teaching and Research Achievements:

- a. Teaching (Courses Taught)
 - Introduction to Crop Physiology
 - General Crop Physiology
 - Stress Physiology
 - Seed Physiology
 - Developmental Physiology of Crop Plants
 - Physiology of Drought
 - Biological Nitrogen Fixation

b. Research:

Research interests:

- Understanding physiological basis of yield in crop plants
- Understanding physiological basis of stress (drought, salinity and heat) tolerance in plants.
- Identification of physiological and biochemical indicators of stress tolerance in crop plants
- Technologies development for productivity enhancement in field crops facing drought, salinity and heat stresses.

i. Independent research:

a)

Research Projects Submitted/Under progress

S.#	Research project	Funding agency	Position in the project	Status
1	Agro-physiological and biochemical characterization of <i>Camelina sativa</i> under water stress.	HEC	PI	Completed
2	Heat stress alleviation in summer vegetables – enhancing the use of genetic diversity in central Punjab, Pakistan.	ACIAR	PI	Completed
3	Enhancement of performance of Direct Seeded rice by seed priming.	HEC	Co-PI	Completed
4	Use of biodegradable super-absorbent polymers in rainfed agriculture for enhancing farm-scale profitability and crop water use efficiency.	PARB	Co-PI	In progress

b)	Supervised research (Annex 1)	
	• As major supervisor (M.Sc. Hons./M.Phil.)	58
	• As major Supervisor (Ph.D.)	09
	• As member supervisory committee (M.Sc. Hons.)	258
	• As member supervisory committee (Ph.D.)	35
c)	Publications	
	• Dissertation	01
	• Thesis	01
	• Research Articles	195
	 Published in HEC Recognized Journals 	16
	 Published in International Journals with impact factor 	105
	Books/Book Chapters	19
	 Published in International Journals without impact factor 	04
	Submitted in International Journals	05
	• Popular articles	12
	• Abstracts	32

LIST OF PUBLICATIONS OF DR. EJAZ AHMAD WARAICH, ASSOCIATE PROFESSOR, DEPARTMENT OF AGRONOMY, UNIVERSITY OF AGRICULTURE, FAISALABAD. PAKISTAN

a. Dissertation: Crop management strategies to improve water use efficiency

in irrigated wheat (Triticum aestivum L.). University of Agriculture, Faisalabad, Pakistan. 2006. (Research work completed under the supervision of Professor Dr. Rashid Ahmad, Dept. of Crop Physiology, University of Agriculture,

Faisalabad, Pakistan.)

b Thesis: Physiological aspects of source-sink relationship in wheat

under different levels of nitrogen. University of Agriculture, Faisalabad, Pakistan. 2001. (Research work completed under the supervision of Professor Dr. Nazir Ahmad, Ex. Chairman Dept. of Crop Physiology, University of Agriculture,

Faisalabad, Pakistan.)

International research papers/ publications with impact factor 105

(Total Impact Factor: 212.967)

- Muhammad Ahmad, Maryium Sajjad, Aman Ullah, Usman Zulfiqar, Sami Ul-Allah, Ejaz Ahmad Waraich, Kaleem ul Din, Kadambot H. M. Siddique, Muhammad Farooq. 2025. From Stress to Success: Precision Strategies for Heat Tolerance in Wheat. Journal of Agronomy and Crop Science: 211: e70048 DOI: doi.org/10.1111/jac.70048. *Impact factor: 3.7*
- 2. Madeeha kauser, **Ejaz Ahmad Waraich**, Hafeez ur Rehman and Muhammad Anwar ul Haq. 2025. Organic and inorganic amendments improved the morpho-physiological and nutritional status of moringa (Moringa oleifera) genotypes. **Acta Physiologiae Plantarum**: 47:39. DOI: doi.org/10.1007/s11738-025-03771-y. *Impact factor:2.4*
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- 24. Muhammad Qudrat Ullah Farooqi, Rashid Ahmad, **Ejaz Ahmad Waraich** and Muhammad Shahbaz Naeem. 2013. Effect of supplemental foliar-applied potassium on yield and grain quality of autumn planted maize (*Zea mays* L.) under water stress. International conference "Sustainable Crop Productivity; Threats and Options" organized by Pakistan Society of Agronomy, April 11-12, .2013.
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- 33. Zahoor Ahmad, **Ejaz Ahmad Waraich**, Muhammad Faisal, Muhammad Aamir Iqbal and Musarrat Ramzan.2019. Foliar applied salicylic acid (SA) improved physiological attributes in wheat (Triticum Aestivum L.) under salt stress conditions. 2 nd International Salinity Conference (ISC-28-30 April, 2019) Organized by Soil Salinity Laboratory (SSL), Department of Soil Science, UCA&ES, The Islamia University of Bahawalpur, Pakistan.
- 34. Zahoor Ahmad, **Ejaz Ahmad Waraich**, M. Zia-Ur- Rehman, Musarrat Ramzan and M. Aamir Iqbal.2019. Physiological and antioxidant activities of wheat enhanced by foliar silicon (Si) application under water deficit conditions. "6th International Conference on Sustainable Agriculture in Changing Climate Strategies and Management" organized by University of Poonch Rawalakot, held on June 19-21, 2019.
- 35. Imrana Mushtaq, **Ejaz Ahmad Waraich**, Rashid Ahmad and Muhammad Ahmad.2019. Influence of water stress at reproductive stage on morphological and

agronomic traits of camelina stiva.2019. 6th International Conference on Sustainable Agriculture in Changing Climate Strategies and Management" held on 19th -21st June, Organized by University of Poonch, Rawalakot.

- 36. Ahsan Jamil, **Ejaz Ahmad Waraich**, Rashid Ahmad and Muhammad Ahmad.2019. Effect of sowing date on agronomic performance of *camelina sativa* L.2019. **6th International Conference on Sustainable Agriculture in Changing Climate Strategies and Management**" held on 19th -21st June, Organized by University of Poonch, Rawalakot.
- 37. Muhammad Umar Farooq, **Ejaz Ahmad Waraich**, Rashid Ahmad and Muhammad Ahmad.2019. Evaluating the phenotypic plasticity of camelina sativa under different levels of Phosphorus.2019. **6**th **International Conference on Sustainable Agriculture in Changing Climate Strategies and Management**" held on 19th -21st June, Organized by University of Poonch, Rawalakot.
- 38. Shehar Bano, Zahoor Ahmad, Ejaz Ahmad Waraich, Muhammad Aamir Iqbal, Sarfraz Ahmad. 2021. Screening of wheat genotypes using growth and physiological attributes at seedling stage under drought stress. 1st International Conference on Science, Technology, Engineering, Mathematics, and Social Sciences (STEMS) A multi-disciplinary conference. March 30-31, 2021
- 39. Maria Rafiq, Zahoor Ahmad, Ejaz Ahmad Waraich, Muhammad Aamir Iqbal, Sarfraz Ahmad. 2021. Effect of drought stress on growth and chlorophyll contents of maize. 1st International Conference on Science, Technology, Engineering, Mathematics, and Social Sciences (STEMS) A multi-disciplinary conference. March 30-31, 2021

M. Sc (Hons.)/M.Phil (As Major Supervisor)

ANNEX-I

S. #	Name of Student	Year	Title of Thesis
1	Abdul Shakoor	2004	Growth and Yield responses of Mung Bean (<i>Vigna munga</i> L.) to different levels of Phosphorous and Calcium
2	Anser Ali 97-ag-1051	2004	Physiological aspects of grain development in wheat (<i>Triticum aestivum</i> L.) at different levels of irrigation and nitrogen
3	Ijaz Ali 97-ag-1038	2004	Photosynthetic rate, Water relations and yield of wheat (<i>Triticum aestivum</i> L.) at different levels of irrigation and nitrogen
4	Muhammad Akram 99-ag-1054	2005	Water stress effects on water relations growth and yield of wheat (<i>Triticum aestivum</i> L.)
5	Ahmad Naeem Shehzad 99-ag-1232	2005	Performance of wheat(<i>Triticum aestivum</i> L.) in bed planting and conventional sowing under different nitrogen levels
6	Muhammad Yasin 99-ag-1240	2005	Water stress effects on early seedling growth of wheat (Triticum <i>aestivum</i> L.)
7	Raja G.M. Hur 2001-ag-1091	2006	Effect of foliar application of Potassium on growth, yield and quality of cotton
8	Zahoor ahmad 2005-ag-1658	2011	Response of cotton (<i>Gossypium hirsutum</i> L.) to foliar applied potassium sulphate (K ₂ SO ₄)
9	Muhammad Tahir 2005-ag-1607	2011	Effect of bacterial inoculation on growth and yield of hybrid maize (<i>Zea mays</i> L.)
10	Shoaib shaukat 2006-ag-1493	2012	Improving water use efficiency by exogenous foliar application of anti-transpirants in wheat.
11	M. Usman Khalid 2006-ag-1593	2012	Effect of foliar applied phosphorous on growth, yield and physiological aspects of wheat.
12	Riaz Ahmad 2009-ag-2677	2013	Comparative study of growth, yield and oil quality of Camelina vs Canola under water deficit conditions.
13	Farhan Rashid 2003-ag-1981	2015	Effect of supplemental foliar applied potassium on drought tolerance potential of canola (<i>Brassica napus</i> L.)
14	Muhammad Mudassar Saeed 2011-ag-3513	2017	Evaluation of camelina sativa L. as a potential oil seed crop under water limited conditions
15	Tahir Abbas 2015-ag-51	2017	Agronomic evaluation and phenotypic plasticity of camelina under different levels of potassium
16	Ahsan Jamil Khan 2012-ag-3328	2018	Influence of seeding date on agronomic performance of Camelina sativa L.
17	M. Umer Farooq 2011-ag-2695	2018	Evaluating the phenotypic plasticity of camelina sativa L. under different levels of phosphorous.

18	Nimra Andleeb	2018	Influence of water stress at vegetative stage on
10	2016-ag-230	2016	morpho-physiological and agronomic traits of
	(M.Phil-Botany)		camelina sativa
19	Imrana Mushtaq	2018	Influence of water stress at reproductive stage on
1)	2016-ag-229	2010	morphological and agronomic traits of camelina
	(M.Phil-Botany)		sativa.
20	Altaf Hussain	2019	Alleviating the effect of heat stress on two varieties of
20	2013-ag3797	2017	Canola by foliar application of Sulphur.
21	Iqra Ikram	2019	Agronomic evaluation and phenotypic plasticity of
	2012-ag-3113		Camelina sativa under different levels of nitrogen
22	Soban Rauf	2019	Effect of sulphur on <i>Camelina sativa</i> L. and canola
	2013-ag-2908		(Brassica napus L.) under heat stress
23	Muhammad	2019	Evaluation of seed priming with sulphur on two
	Taimoor	2019	varieties of <i>Camelina sativa</i> L. under heat stress
	Manzoor.		conditions
	2013-ag-3206		
24	Madiha Irshad	2019	Response of camelina to foliar application of Sulfur
	2017-ag-2764		under heat stress
	(M.Phil-Botany)		
25	Zainab Tariq	2019	Response of canola to foliar application of Sulphur
	2017-ag -2765		under heat stress.
	(M.Phil-Botany)		
26	Aneeqa Munir	2020	Application of potassium to attenuate the adverse
	2018-ag-3517		effect of water stress in Mash Bean (Vigna mungo L.)
	(M.Phil-Botany)		
27	Hareem Shahid	2020	Morpho-physiological response of wheat (<i>Triticum</i>
	2018-ag-3518		aestivum L.) to foliar application of potassium under
	(M.Phil-Botany)		water stress
28	Asim Iqbal	2020	Alleviation of heat stress in two varieties of <i>Camelina</i>
	2013-ag-3389		sativa L. by exogenous application of Thiourea
29	Faisal Mustafa	2020	Morpho-physiological responses of wheat (Triticum
	2012-ag-2082		aestivum L.) to foliar applied potassium under
		0000	different planting geometry
30	Fakher Shakeel	2020	Morpho-Physiological responses of wheat (<i>Triticum</i>
	2012-ag-2202		aestivum L.) to foliar applied boron under different
21	7 1 1 01 00	2020	planting geometry
31	Zahid Ghaffar	2020	Attenuation of heat stress in two varieties of canola
	2014-ag-4827		(Brassica napus L.) by application of sulfur.
32	Muhammad	2020	Effect of exogenous application of zinc on growth,
	Haider Shakeel		development and drought tolerance potential of
i			development and drought tolerance potential of mungbean (Vigna <i>radiata</i> L.)
33	Haider Shakeel 2012-ag-2154 Hasan abbas	2020	mungbean (Vigna radiata L.)
33	2012-ag-2154	2020	
33	2012-ag-2154 Hasan abbas	2020	mungbean (Vigna <i>radiata</i> L.) Ameliorative effect of boron application on maize
	2012-ag-2154 Hasan abbas 2012-ag-2260		mungbean (Vigna <i>radiata</i> L.) Ameliorative effect of boron application on maize (<i>Zea mays</i> L.) under water stress conditions. Effect of foliar application of potassium (<i>Triticum</i>
	2012-ag-2154 Hasan abbas 2012-ag-2260 Gulab-ud-Din		mungbean (Vigna <i>radiata</i> L.) Ameliorative effect of boron application on maize (<i>Zea mays</i> L.) under water stress conditions.
34	2012-ag-2154 Hasan abbas 2012-ag-2260 Gulab-ud-Din 2014-ag-5373	2020	mungbean (Vigna <i>radiata</i> L.) Ameliorative effect of boron application on maize (<i>Zea mays</i> L.) under water stress conditions. Effect of foliar application of potassium (<i>Triticum aestivum</i> L.) under drought stress
34	2012-ag-2154 Hasan abbas 2012-ag-2260 Gulab-ud-Din 2014-ag-5373 Muhammad	2020	mungbean (Vigna radiata L.) Ameliorative effect of boron application on maize (Zea mays L.) under water stress conditions. Effect of foliar application of potassium (Triticum aestivum L.) under drought stress Evaluation of exogenous salicylic acid application
34	2012-ag-2154 Hasan abbas 2012-ag-2260 Gulab-ud-Din 2014-ag-5373 Muhammad Nazar	2020	mungbean (Vigna radiata L.) Ameliorative effect of boron application on maize (Zea mays L.) under water stress conditions. Effect of foliar application of potassium (Triticum aestivum L.) under drought stress Evaluation of exogenous salicylic acid application methods for ameliorating adverse effects of drought

	2015-ag-7297		Wheat (<i>Triticum aestivum L</i>) through Inoculation of PGPR
37	Fahim Sardar 2014-ag-5006	2021	Effect of exogenous application of salicylic acid on growth, development, and drought tolerance potential of mungbean (<i>Vigna radiata</i> L.)
38	Nazia Ishfaq 2015-ag-6554	2021	Effect of foliar application of Sulphur to mitigate drought stress in wheat (<i>Triticum aestivum L.</i>)
39	Tayyub Hussain 2019-ag-19	2021	Exogenous Application of Sulphur for Ameliorating the Adverse Effect of Heat Stress in <i>Camelina sativa L</i> .
40	Mohammad Asghar Ali 2013-ag-2204	2021	Effect of foliar applied sulphur to mitigate the heat stress in canola (<i>Brassica napus</i> L.)
41	Abdul Razaq Shahid 2014-ag-5046	2021	Grain growth, yield and phosphorus use efficiency (PUE) of wheat (<i>Triticum aestivium</i>) as influenced by different levels of soil applied phosphorus.
42	Malik Muhammad Abdullah 2020-ag-3	2022	Exogenous application of silicon to mitigate drought stress in soybean (<i>glycine max</i> L.)
43	Gohar Basheer 2016-ag-6294	2022	Exogenous application of silicon in maize (<i>zea mays</i> L.) to mitigate adverse effects of drought stress
44	Mazhar Abbas 2016-ag-6173	2022	Effect of silicon application on morphophysiological traits of mung bean under drought stress
45	Waheed Ahmad 2016-ag-6459	2022	Silicon mediated improvements in drought and salinity tolerance of black gram (Vigna mungo L.)
46	Anila Sabir 2020-ag-1649 (M.Phil-Botany)	2022	Application of silicon on Maize (Zea mays L.) to mitigate drought and cadmium stress
47	Humaira Ishaq 2018-ag-5457 (M.Phil-Botany)	2022	Application of silicon on Maize (Zea mays L.) to mitigate drought and nickel stress
48	Ahmad Faraz 2017-ag-10077	2023	Foliar Application of Potassium to Mitigate Drought Stress in <i>Camelina Sativa</i> L. Crantz
49	Hafsa Asghar 2021-ag-28	2023	Attenuating draught stress by foliar application of zinc (zn) in Maize (Zea mays L.)
50	Muhammad Hussnain 2015-ag-5120	2023	Morpho-physiological and yield response of <i>camelina</i> sativa L. to exogenously applied silicon under drought conditions
51	Aiman Sikandar 2021-Ag-1185 (M.Phil-Botany)	2023	Foliar applied iron- mediated improvements in drought stress tolerance of Mungbean (<i>Vigna radiata</i> L.)
52	Azhar Mahmood 2018-ag-6674	2024	Improving drought tolerance in Cotton (<i>Gossypium hirsutum</i> L.) through seed priming with thiourea
53	Israr Ahmad 2016-ag-5178	2024	Improving drought tolerance in mungbean (<i>Vigna radiata L.</i>) by exogenous application of thiourea under

			limited water conditions
54	Surriya Bibi 2022-ag-14	2024	Soil applied Thiourea mitigate the drought stress in maize (<i>Zea mays</i> L.) by improving water relation, biochemical and root attributes.
55	Jeevan Saeed 2022-ag-10	2024	Improving drought tolerance in Camelina (camelina sativa L.) by foliar application of thiourea.
56	Nazima Saleem 2022-ag-1307 (M.Phil-Botany)	2024	Exogenous application of melatonin to mitigate drought stress in wheat
57	Umme Habiba 2022-ag-1308 (M.Phil-Botany)	2024	Mitigating the drought stress by foliar application of melatonin in <i>camelina sativa</i> L.
58	Saba Hanif 2022-ag-1344 (M.Phil-Botany)	2024	Influence of soil applied zinc on grain quality and zinc uptake of different maize varieties

Ph.D (As Major Supervisor)

Pn.I	Ph.D (As Major Supervisor)				
S.	Name of Student	Year	Title of Thesis		
#					
1	Nauman Shabbir	Completed-	Nutrient management strategies in alleviation for		
	2007-ag-11	2014	drought stress in wheat (<i>Triticum aestivum</i> L.)		
2	Zahoor Ahmad	Completed-	Maize (Zea mays L.) responses to supplemental foliar		
	2005-ag-1658	2015	applied phosphorous under drought stress.		
3	Zeeshan Ahmad	Completed-	Characterization and evaluation of <i>camelina sativa</i> as		
	2008-ag-514	2016	a potential oilseed crop under water limited		
			environment.		
4	Muhammad	Completed-	Application of thiourea to attenuate the adverse effect		
	Ahmad	2023	of heat stress in camelina and canola.		
	2010-ag-2673				
5	Madeeha Kausar	Thesis	Morpho-physiological response and nutritional quality		
	2015-ag-3659	submitted	of Moringa (moringa oleifera) as influenced by		
	2012 ug 3003	in 2023	integrated use of organic and inorganic amendments.		
-	Dilal Ahmad				
6	Bilal Ahmad	Thesis	Mitigating the adverse effects of drought stress in		
	Shahzad	submitted	Camelina sativa and canola through exogenous		
	2009-ag-2194	in 2023	application of silicon.		
7	Arslan Haider	In progress	Attenuating the adverse effect of drought stress in		
	2018-ag-435		camelina sativa L. by use of biodegradable super-		
			absorbent polymers.		
8	Nimra Khalid	In progress	Application of plant-based nanomaterials for		
	2020-ag-989		enhancing drought and salinity tolerance in linseed		
			(Linum usitatissimum L.)		
9	Sanam Maqbool	In progress	Biofortification of <i>camelina sativa</i> L. with zinc (zn)		
			and iron (fe) under drought stress.		
	•				

M.Sc. (Hons.)/M.Phil (As Committee Member) ANNEX-II

S. #	Name of	Year	Title of Thesis
	Student		2200 02 2000
1	Muhammad	Soil	Recycling of organic matter in maize plants
	Abid Nasir	science/2004	
2	Munir David	Soil	Using composted organic waste enriched with chemical
		science/2004	fertilizer and L-tryptophan for improving growth and
			yield of maize.
3	Syed sadaqat	Soil	Effect of foliar application of Calcium chloride on
	Hussain	science/2004	growth and yield of corn
4	Azam Hussain	Soil	Growth and yield responses of wheat to foliar applied
	3.6.1	science/2004	Potassium
5	Muhammad	Soil	Effect of encapsulated calcium carbide on growth, yield
	Jamil Ashraf	science/2004	and nitrogen use efficiency in wheat
6	Muhammad	Soil science/2004	Growth inoculation and yield of Mash bean as affected
	Iqbal	Science/2004	by Rhyzobium inoculation and soil applied L-
7	Syed Ali Mehdi	Soil	Tryptophan Growth and yield responses of Tomato
,	Raza	science/2005	(Lycopersicon esculentum Mill) to soil applied calcium
	Ruzu	science, 2003	carbide and L- methionine.
8	Bushra	Soil	Soil physical properties and irrigated wheat plant
	Muqadas	science/2005	growth as affected by different tillage pratices and farm
	1		manure application
9	Sultan Ali	Horticulture/	Growth, seed yield and seed quality of carrot as
		2004	influenced by different regimes of N & K
10	M.Tahir Ali	Horticulture/	Effect of different doses of P and K on seed production
		2004	of carrot in different spacing
11	Muhammad	Horticulture2	Effect of Paclobutrazole on vegetative and reproductive
	Aqeel Feroze	004	growth of Mango cv.Chaunsa
12	Mehammad	Horticulture/	Effect of root stocks on fruit quality and peel oil
10	Asim	2004	contents of kinnow mandarin.
13	Shah Jehan	Horticulture/	Effect of phosphorus application on growth and seed
14	Hassan Munir	2005	yield of Lettuce cultivars Physiological basis of primed wheat said performance
14	Hassaii iviuiiii	C. Phy./2004	Physiological basis of primed wheat seed performance under late sown conditions
15	Kashif Hafeez	C. Phy./2004	Influence of different pre-sowing seed invigoration
13	Kasiiii Haicez	C. 1 Hy./2004	techniques
16	Habib Ullah	Horticulture/	Growth and yield response of potato to various methods
10	Tiuoto Chun	2005	of Nitrogen application
17	Muhammaad	Horticulture/	Repeattibility and correlation studies in Rosa spp.under
1 /	Shafiq	2005	Fsd condition
18	Shabbir Hussain	Horticulture/	Effect of folir application of calcium chloride on growth
		2005	and yiel of tomato (<i>Lycopersicum esculentum</i> L.)
			, and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second
19	Sajid Farid	Horticulture/	Effect of NPK on vegetative, reproductive and
		2005	Malformation physiology of mango (Magnifera indica
			L.) cv. Langra
20	Abdul Fattah	ISES/2006	Utilization of organic waste for reclamation of
			moderately saline sodic soil.
21	Naheed Akhtar	Horticulture/	Effect of different herbicide on growth and yield of
		2006	Potato

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22	Muhammad Amir	ISES/ 2006	Exploiting the genotypic variability among the cotton cultivars for potassium use efficiency
23	Shahlah Rashid	Horticulture/ 2006	Effect of variation in the size of polypropylene bags on the yield of Oyster Mushroom
24	A 1'1 T1	D.D. C./2006	(Pleurotus osteatus.L)
24	Adil Jamal	P.B.G/2006	Genetic variability and character association among
			various yield and quality traits in rice
26	N 1 ' 7 C	IGEG/2007	(Oryza sativa L.)
26	Mohsin Zafar	ISES/2006	Phosphorus absorption in fodder crops
27	Shabbir Hussain	Horticulture/ 2006	Effect of foliar application of Calcium chloride on growth and yield of tomato (<i>Lycopersicum esculentum</i> L.)
28	Ghulam Hassan Abbasi	ISES/2006	Methods of Phosphorous applications and irrigation schedule influencing P use efficiency in Wheat.
29	Ifra Saleem	ISES/2007	Performance of cotton genotype under saline condition in pot culture
30	Maryam sarfraz	ISES/2007	Assessment of Salt tolerance of cotton genotypes in solution culture
31	Tajammal Hussain	ISES/2007	Reclamation of salt affected field by growing rice and wheat crops using amendments canal water and brackish water
32	Muhammad Qaiser Majeed 2001-ag-1102	ISES/2007	Effect of chemical amendments on the phytoextraction of Pb and Zn by wheat.
33	Usman Irshad 2001-ag-1104	ISES/2007	Isolation and screening of rhizobial strain for improving growth of lentil seedlings under axenic conditions.
34	Sajid Masood 2002-ag-1653	ISES/2008	Root biomass and vegetative growth of maize crop as affected by different farm manure levels in pot culture.
35	Rizwan Asghar 2001-ag-1235	ISES/2008	Ion accumulation in tolerant and sensitive genotypes of cotton under NaCl salinity.
36	Atif Mahmood 2002-ag-1534	ISES/2008	Growth and ionic attributes of sunflower under saline conditions.
37	Syed Kalim Ullah Shah 2002-ag-1493	ISES/2008	Behavior of ion accumulation in different leaves of salt sensitive and tolerant wheat genotypes under NaCl salt stress.
38	Rab Nawaz 2002-ag-1538	ISES/2008	Effect of NaCl salinity and Nitrogen on vegetative growth and mineral contents of Maize.
39	Muhammad Tahir Akbar 2002-ag-1647	ISES/2008	Soil Physical properties and corn yield under different tillage systems and dairy manure levels.
43	Anwar-ul-Haq	ISES/2007	Performance of maize genotypes using brackish water with and without amendments
44	Nafeesa Naveed 2010-ag-749	PBG/2012	Estimation of combining ability effects for yield, oil and protein contents in upland cotton.
45	Tayeb Muhammad 2010-ag-641	Hort./2012	Effects of nursery raising dates, seedling age and nitrogen levels on growth and yield of onion. (<i>Allium cepa</i> L.)
46	Areeba Kanwal 2006-ag-2295	Agronomy/2 012	Impact of irrigation scheduling and nutrient management on growth, yield and water use efficiency of wheat.
47	Muhammad	Hort./2012	Effect of hydro-priming and sand priming treatment on

		T	T
	Tanveer Anjum 2006-ag-1949		germination of bitter gourd seeds.
48	Sadaf Mubarak 2007-ag-329	Botany/2012	Influence of salicylic acid on growth and some physico- chemical attributes of barley (<i>Hordeum vulgare</i> L.) under Zn toxicity.
49	Farhana Kausar 2006-ag-626	Botany/2012	Interactive effect of foliar application of nitric oxide (NO) and salinity on wheat (<i>Triticum aestivum</i> L.)
50	Muhammad Qudrat Ullah Farooqi 2006-ag-1814	Crop Physiology/2 012	Effect of supplemental foliar applied K on yield and quality of autumn planted Maize under water stress.
51	Muhammad Haseeb 2006-ag-1846	Crop Physiology/2 012	Effect of supplemental foliar applied N on achene yield of autumn planted Sunflower under water stress at reproductive stage.
52	Momal Ali Tahir 2010-ag-718	ISES/2012	Influence of abiotic stresses (Water and salinity) on physiological, biochemical and yield attributes of Cotton (Gosypium hirsutum L.)
53	Rana Abdur Rehman	Hort./2012	
54	Muhammad Mohsin Nawaz 2007-ag-1880	Agronomy/2 012	Interactive effect of irrigation and P on root-shoot development and yield of wheat.
55	Muhammad Atif 2007-ag-2336	Agronomy/2 012	Simulating the effect of transplanting dates on fine rice cultivars using CSM-CERES-RICE Model.
56	Mudassir Rehman 2011-ag-504	Agronomy/2 012	Simulating crop water productivity of cotton under deficit irrigation using crop growth modeling approach.
57	Haroon Shahzad 2007-ag-2140	ISES/2013	Residual effect of mulch on soil physico-chemical indices growth and yield of wheat crop.
58	Muzammal Rehman 2007-ag-2225	Agronomy/2 013	Simulating the effect of planting time on growth yield and quality of spring sown Soyabean using CROPGRO Soybean model.
59	Friha Amin 2007-ag-2043	ISES/2013	Role of organic and inorganic amendments in reducing uptake of cadmium in wheat grain
60	Muhammad sajid Iqbal 2007-ag-2728	ISES/2013	Transport of zinc from root to shoot in Rice (<i>Oryza sativa</i> L.) under saline hydroponic condition.
61	Safdar Aziz 2007-ag-2255	Agronomy/2 013	Simulating the impact of moisture stress and seed rate on growth yield and water use efficiency of wheat using CSM-CERES wheat model.
62	Muhammad Jamshed Zarrar 2007-ag-2114	ISES/2013	Bio assessment of heavy metal contamination in Iqbal town Faisalabad and spatial variation over time
63	Tasneem Akhtar 2007-ag-2510	ISES/2013	Transport of zinc from root to shoot in Rice (<i>Oryza sativa</i> L.) under saline hydroponic condition.
64	Mujahid Ali 2007-ag-1878	Agronomy/2 013	Optimizing the application rate of FMC-X100 for weed control in wheat (<i>Triticum aestivum</i> L.)

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65	Muhammad Asif Ali 2011-ag-653	ISES/2013	Effect of Gibbrelic acid on growth and yield of Mungbean in contaminated soils.
66	Salma Niaz	Agronomy/2	Response and adaptation of Soya- bean cultivars to
00	2007-ag-2313	013	different sowing dates under Faisalabad conditions.
67	Muhammad	ISES/2013	
07		ISES/2013	Qualifying nitrate movement in soil profile under
	Aqeel Shah		different tillage strategies.
	2007-ag-2267	7070/0010	
68	Mazhar Iqbal	ISES/2013	Effect of plastic mulch on water use efficiency in maize
	2011-ag-651		with different irrigation practices.
69	Aftab Ashraf	Agronomy/2	Influence of different production systems on weed
	2007-ag-2416	013	infestations and productivity of autumn maize.
70	Waqar Khalid	Agronomy/2	Effect of various sowing methods and weed control
	2008-ag-1939	014	practices on growth and yield of direct seeded medium
			grain rice
71	Muhammad	Agronomy/2	Effect of different tillage techniques on productivity of
-	Atif Shabbir	014	wheat (<i>Triticum aestivum</i> L.)
	2008-ag-2985		Whole (1) Wellin destribin 21)
72	Muhammad	Agronomy/2	Effect of foliar application of Zinc on growth and yield
12	Alyaas	014	of autumn Maize (Zea mays L.) under skipping
	•	014	irrigation at different stages
73	2008-ag-2069 Gulam Shabbir	A aman amay/2	Š
13		Agronomy/2	Quantification of temporal variability in sowing of
7.4	2008-ag-2572	014	Mung bean through field setting and simulation
74	Shahzad Tahir	Agronomy/2	Assessing water use efficiency of cotton (Gossipium
	2008-ag-2098	014	hirsutum L.) under water limiting conditions and
			climatic variability using simulation modeling approach
75	Muhammad	Agronomy/2	Response of different Maize (Zea Mays L.) hybrids
	Sohail	014	against the various sowing dates under the agro-
	2008-ag-2999		ecological conditions of Faisalabad.
76	Habib Ullah	Agronomy/2	Standardizing the fertilizer application timings for relay
	2008-ag-2389	014	cropped wheat (Triticum aestivum L.) in cotton
77	Sohail Aslam	ISES/2014	Physiological and biochemical response of maize to
	2011-ag-594		foliar applied anti-transpirants under water stress
76	Asad Qadeer	Agronomy/2	Simulating phenology, growth and yield of maize
	2008-ag-1823	014	hybrids planted at variable dates in spring season.
77	Shah Ameer	ISES/2014	The spatial distribution and assessment to heavy metal
' '	Nauman	1220,201.	contamination along Faisalabad- Sheikupura Faisalabad,
	2008-ag-1773		Road.
78	Ameer Ali	Hort./2014	Exogenous application of Salicylic acid to improve salt
70	Mehboob	11011./2014	tolerance in Cucumber.
			tolerance in Cucumber.
70	2007-ag-2690	ICEC/2014	Nituata mayamant in anil anafile in manage 4 1100
79	Syed Adnan	ISES/2014	Nitrate movement in soil profile in response to different
	Mazer		fertilization strategies.
	2008-ag-2112		
80	Khurram Zia	Agronomy/2	Simulating climate change impact on growth,
	2008-ag-1956	014	development and yield of seed cotton under various
			planting densities and nitrogen increments.
81	Muhammad	Agronomy/2	Comparative Efficacy of Different planting methods and
	Amjad	014	their influence on productivity and staple length of
	Shahzad		Cotton.
	2012-ag-975		
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82	Tahir Abbas 2011-ag-679	ISES/2014	Growth response of Maize to applied phosphatic fertilizer with and without organic soil conditioner
83	Saima Yousaf 2008-ag-2370	Agronomy/2 014	Response of <i>Rhizobium Japonicum</i> and <i>Pseudomonas Fluorescens</i> inoculation on the performance of Soybean (<i>Glycine max</i> L.) under Faisalabad Conditions.
84	Sibgha Zafar 2012-ag-595	PBG/2014	Genetic potential of Sunflower (<i>Helianthus Annuus</i> L.) seedlings for moisture deficit tolerance
85	Iurem Shahzadi 2008-ag-1800	PBG/2014	Genotypic response of Canola (<i>Brassica napus</i> L.) accessions to moisture stress
86	Husnain Jawad 2008-ag-1900	Agronomy/2 014	Optimizing of pit dimensions and geometry in spring planted sugarcane.
87	Muhammad Furqan Ashraf 2008-ag-2210	Crop Physiology/2 014	Evaluation of <i>Brassica napus</i> L. genotypes for their drought tolerance potential
88	Tanveer Abbas 2008-ag-2327	Agronomy/2 014	Effect of different frequencies of irrigation on the growth and yield of different forage oat cultivars grown under Faisalabd conditions
89	Muhammad Naeem 2012-ag-968	Agronomy/2 014	Comparative performance of two cotton (Gossypium hirsutum L.) genotypes planted at various planting densities
90	Araiz Nazir 2008-ag1988	Hort./2014	Effect of Heat Stress on Physiological and Morphological attributes of Tomato.
91	Muhammad Irfan Athar 2004-ag-1427	Hort./2014	Characterization of Elite tomato genotypes for yield related attributes.
92	Ijaz Ahmad Gondal 2008-ag-1772	ISES/2014	Comparative effect of Gypsum and high molecular rate compounds to reclaim saline sodic soil and wheat growth.
93	Haseeb Zahid 2008-ag-1708	Agronomy/2 015	Evaluating the performance of different Soybean Cultivars at various row spacing at Faisalabad conditions
94	Maria Iqbal 2013-ag-62	Botany/2015	Modulation in morphological and biochemical attributes of peal Millet by foliar- applied proline under water deficit conditions
95	Anwar Jawed 2009-ag-3533	Hort./2016	Screening of potato germpalsm for <i>IN VITRO</i> micro tuber induction.
96	Kanza Ashraf 2014-ag-868	Botany /2016	Influence of exogenous application of proline as foliar spray on Pea (<i>Pisum Sativum</i> L.) under water deficit conditions
97	Nukhba Iram 2014-ag- 69	Botany/2016	Role of foliar- applied proline on Pea (<i>Pisum Sativum</i> L.) under water deficit conditions
98	Hira Zulfikar 2012-ag-66	Botany/2016	Role of strigolactone (GR.24) on morpho-physiological and biochemical attributes of sunflower (<i>Heliathus annus</i> L.) under saline conditions
99	Shagufta Batool 2014-ag-1256	Botany/2016	Pea (Pisum sativum L.) response to foliar applied nitric oxide under water deficit condition
100	Ayesha Chudhary 2014-ag-1051	Botany/2016	Foliar applied strigolactone (GR.24) induced modulation in sunflower (<i>Heliathus annus</i> L.) under saline conditions

101	Iqra Khurshid 2014-ag-571	Botany/2016	Influence of exogenous application of strigolactone (GR.24) as foliar spray on growth, gas exchange and anti-oxidant activity in sunflower (<i>Heliathus annus</i> L.) under saline conditions
102	Muhammad Bilal 2014-ag-622	ISES/2016	Role of lead tolerant Rhizobacteria to improve plant growth and soil health in lead contaminated soil
103	Fatima Riaz 2014-ag-1369	Botany/2016	Effective screening of antimicrobial antioxidant activities and phytochemical analysis of different parts of Syagrus romanzoffiana and Bismarckia nobilis
104	Zubaria Ashraf 2014-ag-1387	Botany/2016	Measurement of antimicrobial antioxidant activities and phytochemical analysis of different parts of Caryota mitis and Croton tiglium
105	Aniqa Imtiaz 2014-ag-1368	Botany/2016	Investigation of antimicrobial antioxidant activities and phytochemical analysis of different parts of Leucophyllum frutescence and trachyphycarpus fortune
106	Shahid Paervez 2014-ag-902	Botany/2016	Role of exogenous application of strigolactone (GR.24) in in sunflower (<i>Heliathus annus</i> L.) under saline conditions.
107	Samia Sherazi 2014-ag-1742	Botany/2016	Glycine betain induced alteration in Pea (Pisum sativum L.) under water deficit condition.
108	Aneela Nawaz 2014-ag-1665	Botany/2016	Combined effect of foliar applied Calcium Nitrate and drought stress on Pea (Pisum sativum L.)
109	Saima Noreen 2014-ag-2874	Botany/2016	Response of Pea (Pisum sativum L.)to interactive effect of foliar applied Nitric oxide and drought conditions
110	Aniqa Nawaz 2014-ag-918	Botany/2016	Effect of multi-trait plant growth promoting rhizobacteria (PGPR) on wheat genotypes under saline conditions
111	M. Rizwan 2014-ag-8014	Botany/2016	Impact of exogenously applied strigolactone (GR.24) on sunflower (<i>Heliathus annus</i> L.) as pre-seed treatment under saline condition.
112	Hafiza Kehkashan 2014-ag-2859	Botany/2016	Evaluation of transgenic sugarcane (Saccharum officinarum L.) for cold tolenrance
113	M. Zubair Anjum 2010-ag-2872	ISES/2016	Effect of organic and inorganic amendments on uptake and accumulation of Cadmium by different what genotypes
114	Muhammad Luqman 2012-ag-8	Botany/2016	Variation in morphological , physiological and biochemical attributes of Sunflower (<i>Heliathus annus</i> L.) to foliar applied strigolactone (GR.24) under saline conditions
115	Aiza Munir 2009-ag-2879	ISES/2016	Evaluation of Zn bioavailability in Rice under saline conditions
116	Farzana Ashraf 2010-ag-617	Botany/2016	Effect of salt stress on behavior of different genotypes of Sunflower (<i>Heliathus annus</i> L.) at seedling stage.
117	Iqra Shafa 2010-ag-2929	IHS/2016	Effect of different levels of nitrogen and phosphorous on seed yield and seed quality of cotton.

118	Saira sattar	IHS/2016	Physio-chemical attributes of different
	2010-ag-2927		Carrot cultivars in response to various applications of NPK
119	Zainab Jaffar	Botany/2016	Influence of water deficit conditions and foliar
	2012-ag-645		applications of trehalose on growth, gas exchange and
120	Misbah	Botany/2016	biochemical attributes of Pea (<i>Pisum sativum</i> L.) Alteration in physiological and biochemical
120	2012-ag-644	Botany/2010	characteristics of Pea (<i>Pisum sativum</i> L.) in response to
			foliar applied trehalose under water deficit conditions
121	Muhammad	Agronomy/2	Simulating the impact of sowing tome in plant spacing
	Ahmad	016	on growth and productivity of pearl millet under semi-
122	2010-ag-2673	Datamy/2016	arid environment.
122	Farhat Naz 2014-ag-2995	Botany/2016	Effect of exogenously applied Calcium nitrate on some key physiological and biochemical attributes of Pea
	2014-ag-2773		(Pisum sativum L.) under drought stress
123	Shahraz Nawaz	ISES/2016	Growth and yield response of rice genotypes to
	2014-ag-9108		Phosphorus deficiency in soil
124	Saima Noreen	Botany/2016	Response of Pea (Pisum Sativum L.) to interactive
	2014-ag-2874 Dr. Shahbaz		effect of foliar applied nitric oxide and drought stress conditions
125	M. Bilal Ahmad	ISES/2016	Role of Lead tolerant rhizobacteria to improve plant
123	2014-ag-622	1010/2010	growth and soil health in lead contaminated soil
126	M. Luqman	Botany/2016	Variation in morphological, physiological and
	2012-ag-08		biochemical attributes of sunflower to foliar applied
105	711 F 01	TGTG (0.01 c	strigolactone (GR.24) under saline condition
127	Zil -E - Obeer	ISES/2016	Comparative efficacy of different inoculation methods
128	2014-ag-9178 Muhammad	Agronomy/2	for improving growth and yield of Maize (<i>Zea mays</i> L.) Effect of P levels and application methods on the
120	Hammad	016	growth , yield and quality of Linseed
	Farooq		
	2010-ag-2824		
129	Noman Saeed		Growth and productivity of Radish CV forth days in
	2010-ag-3320 Dr. Khuram	2017	response to different sowing dates and thio- urea
	Ziaf		
130	Sumayya Bibi	Botany 2017	Alteration in Okra response to salt stress by pre-sowing
	2013-ag-634	_	seed treatment with Thaio Urea
131	Sahar Nosheen	Botany 2017	Effect of foliar spray of trehalose on soybean under
131	2015-ag-505 Yasmeen	Botany 2017	saline regimes Modulation in growth, Physiological and biochemical
131	Sarwar	Dotally 2017	attributes of Sun flower by GR24 application under
	2002-ag-1235		saline stress
132	Saba akram	Botany 2017	Interactive effect of pre-sowing seed treatment with
	2013-ag-1915	_	trehalose and salt stress on soybean
133	Iqra Iftikhar	Botany 2017	Influence of pre-seed treatment with thiamine on
134	2-13-ag1392 Gobar Lebag	ISES-2017	soybean under saline regimes The residual effect of Phosphorus on growth and yield
134	Gohar I shaq 2011-ag-3271	13E3-2U1/	of wheat in salt affected soils
135	Andleeb Riaz	Botany 2017	Response of chick peas to foliar applied Thiamine under
	2015-ag-1017		drought stress conditions
136	2015-ag-1230	ISES	Assessment of arsenic in ground water and health risk

		T	in Distance different different different
			in Bhakar and Hafizabad Punjab
137	Bushra Irfan 2011-ag-940	Botany-2017	Interactive effect of pre sowing seed treatment with salt stress on morphological, physiological and yield attributes of sesame
138	Sadia Aziz Dhillon 2015-ag-1424	Botany-2017	Impact of exogenous applied thiourea as foliar spray sesame growth and development under salt stress
139	Bisma Masood 2015-ag- 1423	Botany-2017	Combined influence of foliar applied Glycine betain in salt stress in sesame
140	Wajid Ali 2011-ag-3012	ISES	Zinc use efficiency and maize growth as affected by different sources and application methods of zinc fertilizers
141	Iram Jamil 2015-ag-10	Botany-2017	Alteration in morphological , physiological and biochemical attributes of sesame to pre sowing seed treatment of trehalos under salt stress
142	Arneeb Traiq 2015-ag-1338	Botany-2017	Exogenous application of Glycinebetain as pre—sowing seed treatment response to sesame in under saline regimes
142	Muhammad Ishfaq 2015-ag-219	ISES-2018	Potassium uptake by wheat and maize roots as affected by foliar application of potassium
143	Muhammad Shakeel Hanif 2011-ag-3203	Agronomy- 2018	Effect of foliar application of Salicylic acid on growth and yield of Autumn Maize (<i>Zea mays</i> L.) under water stress at reproductive stage.
144	Adeel Ahmad 2016-ag-2236	ISES-2018	Role of plant growth promoting Rhizobacteria to improve the growth of Cowpea in lead contaminated soil
145	Munawar Hussain 2016-ag-3687	ISES-2018	Potential of acid and base activated biochar derived from cotton stalk for the removal of arsenic from contaminated water.
146	Bilal Abbas 2012-ag-3022	ISES-2018	Assessment of nitrate and deity contents in frozen and fresh vegetables irrigated with waste water.
147	M. Junaid Afzal 2012-ag-3218	ISES-2018	Drinking water quality parameters of ice samples from different factories in Faisalabad.
148	Iqra Qayyum 2016-ag-113	Botany-2018	Effect of foliar applied Gibberellic acid in maize under salt stress.
149	Muhammad Salahuddin 2016-ag-72	Agronomy- 2018	Evaluation of foliar applied trehalose for its ameliorative effect on sunflower under water stress at reproductive stage
150	Mian Nauman Irshad 2012-ag-3413	Agronomy- 2018	Effect of supplemental foliar application of nitrogen on spring maize under water deficit conditions
151	Tehreem Nasir 2012-ag-3591	ISES-2018	Concentration of heavy metals in herbs spices
152	Moeen Ijaz 2012-ag-2807	ISES-2018	Mapping of Kot addu soil salinity using landsat 8 Imagery
153	Muhammad Umair Abid 2012-ag-3537	ISES-2018	Effect of maize —legume intercropping on soil physical properties, phosphorus uptake and crop use.

154	Muhammad Shoaib Ismail 2012-ag-4909	Agronomy- 2018	Effect of supplemental foliar application of Potassium on spring maize under water deficit condition
155	Muhammad Naeem Younis 2012-ag-3491	ISES-2018	Comparative response of different wheat cultivars to various forms of nickel in rooting medium
156	Muhammad Kaleem 2012-ag-4086	ISES-2018	Effect of different phosphorous levels to improve growth and yield of rice and P availability in saline sodic soils
157	Atif Hussain 2011-ag-3985	ISES-2018	Effect of Potassium fertilizers on rice growth and yield in normal and saline soil
158	Amir Sohail 2012-ag-3324	ISES-2018	Effect of combined applications of polymer coated phosphate and potasic fertilizer on yield and nutrient use efficiency of wheat
159	Attiq ur Rehman Ashraf 2016-ag-82	ISES-2018	Accumulation of metals, copper, zinc and led in plants grown near road side: A case of Samundari road Faisalabad
160	Muhammad Tauseef Jaffar 2017-ag-204	ISES-2019	Efficacy of integrating chemical herbicide and allelopathic bacteria for control of wild oat (Avena <i>fatua</i> L.) in wheat (<i>Triticum aestivum</i> L.)
161	Maria Hashmi 2013-ag-2750	ISES-2019	Enhancing phosphorous use efficiency of wheat by applying polymer coated phosphatic fertilizers.
162	Zohaib Ansar 2013-ag-3852	Agronomy- 2019	Sunflower (<i>Helianthus annus</i> L.) tolerance to water deficiency as affected by foliar application of potassium
163	Muhammad Waqas 2013-ag-3267	Agronomy- 2019	Effect of foliar application of silicon on maize (Zea mays L.) under water deficit condition
164	Abdul Majid 2011-ag-2131	Agronomy- 2019	Effect of foliar application of trehalose on hybrid maize (<i>Zea mays</i> L.) under water deficit condition.
165	Abid Kamran 2016-ag-2235	ISES-2019	Wheat yield and soil physic-chemical properties under organic and inorganic nitrogenous fertilizer
166	Rimsha Farooq 2015-ag-1379	Botany-2019	Trehalose induced alteration in morpho-physiological and biochemical attributes of Canola under saline conditions
167	Muhammad Ahmad Gill 2017-ag-1337	Irrigation & Drainage-2019	Water Pricing and implementation strategies for sustainable irrigation system
168	Hira Tanveer 2017-ag-2880	Botany-2019	Impact of various source of sulphur application on maize growth and productivity
169	Wazir Aittizaz Ahsan 2017-ag-1473	ISES-2019	Evaluation of spring water quality of Skardu city.
170	Zunaira Anwar 2017-ag-2719	Botany-2019	Bio-fortification of autumn maize through the application of iron and zinc
171	Iqra Abid 2017-ag-1479	ISES-2019	Assessment of heavy metals contamination in milk samples collected from different sources in Faisalabad.
172	Arshia Zia 2019-ag-1997	Botany-2021	Application of Proline as pre-sowing seed treatment on Okra under water deficit conditions
173	Shabana Nibahoo 2019-2035	Botany-2021	Alteration in Okra Plant responses by foliar applied proline under drought stress conditions

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174	Tanveer Abbas 2019-ag-2079	Botany-2021	Combined effect of Trehalose and drought stress on Pea Plant.
175	Ubaid -ur- Rehman 2015-ag-6708	ISES-2021	Effect of silicon on wheat (<i>Triticum aestivum</i> L.) during salinity and water stress
176	Muhammad Khubaib Ayyaz 2015-ag-7086	ISES-2021	Mitigation of heat stress in wheat seedlings by application of thermo-tolerant Rhizobacteria.
177	Areeba Maheen 2019-ag-2049	Botany-2021	Seed priming effects of thiourea on Flax (<i>Linum usitatissimum</i> L.) under drought stress conditions.
178	Samra Abbas 2019-ag-1995	Botany-2021	Influence of foliar application of proline on Chia (<i>Salvia hispania</i> L.) under drought stress conditions.
179	Huma Tabassum 2019-ag-2003	Botany-2021	Does exogenous application of trehalose as foliar spray affect morphological and physiological parameters of coriander (<i>Coriandrum sativum</i> L.) under water stress
180	Sharjeel haider 2019-ag-187	ISES-2021	Estimation of sodium transport using Nacl in wheat (<i>Triticum aestivum</i> L.)
181	Zeenat Ehsan 2017-ag-340	Botany-2021	Effect of foliar application of thiourea on <i>Spinacia</i> oleracea L. under drought stress conditions.
182	Maria Riaz 2016-ag-3683	Botany-2021	Effect of salicylic acid on growth of canola (<i>Brassica naps</i> L.) under cadmium stress.
183	Amna Shafiq Ullah 2017-ag-4745	Botany-2021	Effect of salicylic acid on growth of wheat (<i>Triticum aestivum</i> L.) under cadmium stress.
184	Muhammad Tayyab Mahmood 2015-ag-6326	ISES-2021	Effect of Salicylic acid on growth of wheat grown under cadmium stress
185	Muhammad Sunnan 2015-ag-6570	ISES-2021	Effect od biofertilizer strains on growth and yield of different soyabean cultivars
186	Ambreen Ahmad 2019-ag-2044	Botany-2021	Morpho-physiological and biochemical responses of Sesame (<i>Sesamum indicum</i> L.) to exogenously applied proline
187	Noman Younas 2015-ag-7133	ISES-2021	Differential response of processed animal manure on zinc biofortification in Lentil under saline sodic soil.
188	Fareeha Mubeen 2019-ag-2073	Botany-2021	Influence of seed priming with thiourea on Okra (Abelmoschus esculentus L.)
189	M. Moaz Khurshid 2019-ag-1775	ISES-2021	Effect of Phosphatic fertilizer on growth and yield of wheat and different P fractions in saline sodic soil.
190	M. Sadiq 2015-ag-6773	ISES-2021	Uptake and distribution of heavy metals Cd, Ni and Lead by Brassica cultivars irrigated with metal contaminated water.
191	Ahsan Ali 2015-ag-6767	ISES-2021	Comparative growth response and nickel absorption by leguminous and non-leguminous plants irrigated with nickel contaminated water.
192	Safina 2019-ag-3599	Botany-2021	Impact of foliar application of Glycine betain on Okra (Abelmoschus esculentus L.) under drought stress conditions.

193	Muneeb -ur-	Irrigation &	Field assessment of solar power drip irrigation system
193	Rehman	Drainage/202	for vegetable crops.
	2019-ag-226	1	Tor vegetable crops.
	2019 ug 220		
194	Khazra Fiaz	Botany-2021	Growth regulation effects of thiourea application on
	2019-ag-2019		Linum ussitatissimum L. under water stress conditions.
195	Muhammad	Botany-2021	Efficacy of gypsum on growth and morpho-
	Saleem		physiological aspects of spinach (Spinacia oleracea L.)
	2019-ag-2092		
195	Naveed ul	Botany-2021	Combined effect of salicylic acid and zinc on barley
	Hassan		(Hordeum vulgare L.) under drought stress conditions.
106	2019-ag-2011	D - 4 - 11 - 2021	English and the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr
196	Zainab Fatima	Botany-2021	Exogenous application of salicylic acid as foliar spray
	2019-ag-2078		may alter flax (<i>Linum ussitatissimum</i> L.) under drought stress.
197	Sana Shujat	Botany-2021	Influence of pre-sowing seed treatment with basil leaf
	2019-ag-2059	200011, 2021	extract on maize (Zea mays L.) seedlings.
198	Maria	Botany-2022	Influence of foliar applied trehalose on Coriander
	Chaudhary	(Dr.	sativum L.
	2020-ag-958	Shahbaz)	
199	Tahrim Ramzan	Botany-2022	Effect of exogenous application of Phenylalanine as
	2018-ag-321	(Dr.	foliar spray on Mustard (Brassica Campestris L.) under
200	TT: A	Shahbaz)	water scarcity conditions.
200	Hira Anees	Botany-2022	Responses of <i>Brassica campestris</i> L. to foliar
	2020-ag-931	(Dr. Shahbaz)	application Phenylalanine under saline conditions.
201	Ayesha Saddiqa	Botany-2022	Alteration in wheat (<i>Triticum aestivum</i> L.) responses to
	2020-ag-918	(Dr.	pre-sowing seed treatment with proline under nickel
		Shahbaz)	stress.
202	Tabinda Sahar	ISES	Interactive effect of nitrogen and phosphorous fertilizer
	2016-ag-6587	(Dr. Yaseen)	sources and weedicide with foliar spray of Urea/CAN
202	a 11 771 11 1		on root growth and grain yield of maize crop.
203	Sadia Khalid	Botany-2022	Assessment of the use of Moringa leaf extract as foliar
	2020-ag-948	(Dr. Shahbaz)	spray on wheat (<i>Triticum aestivum</i> L.) under nickel stress
204	Hafiza Sadia	Botany-2022	Application of Thiourea may alter the response of wheat
207	Ameer	(Dr.	(Triticum aestivum L.) under cadmium stress.
	2020-ag-991	Shahbaz)	
205	Sadia Anwar	Botany-2022	Effect of pre-sowing of thiourea on morpho-
	2020-ag-917	(Dr.	physiological and biochemical attributes of Spinach
		Shahbaz)	(Spinacia oleracea L.) under saline regimes.
206	Mishal Mushtaq	Botany-2022	Influence of foliar applied thiourea on spinach (Spinacia
	2018-ag-481	(Dr.	oleracea L.) under saline conditions.
207	A1: D:	Shahbaz)	
207	Ali Rizwan	ISES-2022 Dr.Zia- ur -	Potential application of Silicon in improving growth of
	2016-ag-6259	Rehman	maize (<i>Zea mays</i> L.) in saline sodic soil using different biogenic and abiogenic sources.
208	Farai Awan	Botany-2022	Exploring the potential role of Moringa leaf extract as
200	2020-ag-1001	(Dr.	natural plant growth regulator on Spinach (Spinacia
	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Shahbaz)	oleracea L.) under boron toxicity.
209	Shan Ali	Botany-2022	Effect of silicon on Barley (Hordeum vulgare L.) under
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	2018-ag-505	(Dr.	cadmium stress.
210	Arbaz Khan	Shahbaz) Botany-2022	Role of Glycine betaine in alleviation of deleterious
210	2018-ag-323	(Dr.	effects of copper on wheat (<i>Triticum aestivum</i> L.)
	2010-ag-323	Shahbaz)	chects of copper on wheat (Trucum desuvum E.)
211	Muhammad	ISES-2022	Physiological response of different bread wheat
211	Bilal Ahmad	(Dr. Javaid	(<i>Triticum aestivum</i> L.) cultivars under salinity stress
	2016-ag-8223	Akhtar)	conditions in solution culture.
212	Sania Kalsoom	Botany-2022	Application of Corn Stalk based superabsorbent
	2020-ag-1695	(Dr. Saddam)	polymer for enhancing drought stress tolerance in
			different field crops
213	Iram Jameel	Botany-2022	Assessment of the role of thiourea in safflower
	2015-ag-10	(Dr.	(Carthamus tinctorius L.) under water deficit conditions
	_	Shahbaz)	
214	Zyma Basharat	Botany-2022	Morphophysiological and biochemical responses of Flax
Ì	2014-ag-1706	(Dr.	(Linum usitatissimum L.) to exiguously applied glycine
		Shahbaz)	betaine under water deficit conditions
215	Nimra Atta	Botany-2022	Foliar applied proline may alleviate the adverse effects
i	2017-ag-421	(Dr.	of nickel stress on wheat (<i>Triticum aestivum</i> L.)
21:		Shahbaz)	
216	Muhammad	Agronomy	Effect of wheat straw based superabsorbent polymers on
	Junaid Afzal	(Dr. Saddam)	morpho-physiological growth of wheat, Maize, and
217	2016-ag-6454	IGEG	groundnut under different soil moisture regimes.
217	Sehrish Huma	ISES	Microbial mediated Phyto stabilization coupled with the
	Zafar	(Dr. Zahir A.	biochar and iron oxide nanoparticles for improving
210	2016-ag-6552	Zahir)	growth and yield of Maize.
218	Hafsa	Botany-2022	Effect of foliar application of Moringa leaf extract on
	2018-ag-437	(Dr. Shahbaz)	Spinach (<i>Spinacia oleracea</i> L.) under drought stress conditions.
219	Gule-E- Saher	Botany	Optimization of Corn based biodegradable polymer for
21)	2020-ag-1708	(Dr. Saddam	enhancing drought tolerance in wheat (Triticum
	2020 ug 1700	Hussain)	sestivum L.) and Maize (Zea mays L.)
220	Saif Ali	ISES	Effect of different abiotic factors on the microbial
	2016-ag-6051	(Dr. Naeem	activity of plant growth promoting Rhizobacteria.
	3	Asghar)	
220	Kehkshan	ISES	Allelopathic Rhizobacteria along with reduce dose of
	2020-ag-205	(Dr. Zahir	herbicide may suppress growth of Dactyloctenium
		A.Zahir	aegyptium and improve growth of direct seeded Rice.
221	Robina Kausar	ISES	Assessment of particulate matter and nose pollution in
i	2016-ag-6727	(Dr. M.	different areas of Madina town, Faisalabad.
		Sabir)	
222	Muhammad	ISES	Comparative response of wheat and Barley to Ni-
	Ahmad Arshad	(Dr. M.	concentration in alkaline calcareous soil.
	2016-ag-8226	Sabir)	
223	Rubaz Ahmad	ISES	Comparative effectiveness of Zn as nano zinc oxide,
	2014-ag-3394	(Dr. M.	nano zinc sulphate and conventional Zn sulphate and
22.1	36.1	Sabir)	Zn- EDTA in salt affected soils to grow rice crop.
224	Muhammad	ISES	Evaluating Physiological and Biochemical Responses of
	Mizfar Gohar	Dr. Anwar	Cotton (Gossypium hirsutum L.) against water stress by
225	2016-ag-6262	Do45 : 2022	using organic amendments.
225	Aiman Fatima	Botany-2022	Influence of Gypsum on Flax (Linum usitatissimum L.)
	1	<u>i</u>	<u>I</u>

2018-ag-475 Shahbaz) 2026 Muhammad Faisal 2006-ag-590 Shahbaz) 2027 Igra Siddique 2020-ag-1647 CDr. Shahbaz) 228 Afraz Mathiaz 2021-ag-1330 CDr. Shahbaz) 229 Asma Ayub 2021-ag-1330 CDr. Shahbaz) 230 Laraib Sajjad 2017-ag-4430 CDr. Shahbaz) 231 Ayesha Amin 2017-ag-9963 CDr. Shahbaz) 232 Sana Razzaq 2021-ag-1364 CDr. Shahbaz) 233 Sana Razzaq 2021-ag-1364 CDr. Shahbaz) 234 Amara Zafar 2021-ag-1364 CDr. Shahbaz) 235 Hamza Rauf 2021-ag-1364 CDr. Shahbaz) 236 Laiba Tariq 2011-ag-849 237 Aqsa Zahoor 2017-ag-849 238 Aqsa Zainab 239 Romail Aslam 2017-ag-849 2011-ag-9538 230 Laiba Tariq 2011-ag-953 231 CDr. Shahbaz) 232 Pag-318 233 Aqsa Zainab 234 Aqsa Zainab 235 Romail Aslam 2017-ag-949 236 Laiba Tariq 2017-ag-849 237 CDr. Shahbaz) 238 Aqsa Zainab 239 Romail Aslam 2017-ag-953 230 Dr. Saddam Murtaza 231 Aqsa Zainab 232 Pag-318 233 Aqsa Zainab 234 Aqsa Zainab 235 Pag-318 236 Cairl Agronomy 2019-ag-3208 237 Aqsa Zainab 238 Aqsa Zainab 239 Romail Aslam 2017-ag-9518 230 Pag-3208 231 Aqsa Zainab 232 Pag-318 233 Aqsa Zainab 234 Aqsa Zainab 235 Pag-318 236 Pag-3208 237 Pag-3318 238 Pag-3318 239 Pag-3308 240 Pag-3308 240 Pag-3308 241 Muhammad 242 Pag-3318 243 Ayesha Hussain 244 Sajjad Ahmad 2011-ag-99 245 Pag-3208 246 Pag-3208 247 Pag-3318 248 Pag-3318 249 Pag-33208 240 Pag-33208 241 Muhammad 242 Pag-338 Pag-3318 243 Ayesha Hussain 244 Pag-338 Pag-3318 245 Pag-338 Pag-338 246 Pag-338 Pag-338 247 Pag-338 Pag-338 248 Pag-338 Pag-338 249 Pag-338 Pag-338 240 Pag-3208 241 Muhammad 242 Pag-338 Pag-338 243 Pag-338 Pag-338 244 Pag-338 Pag-338 245 Pag-338 Pag-338 246 Pag-338 Pag-338 247 Pag-338 Pag-338 248 Pag-338 Pag-338 249 Pag-338 Pag-338 240 Pag-338 Pag-338 240 Pag-338 Pag-338 241 Pag-338 Pag-338 242 Pag-338 Pag-338 243 Pag-338 Pag-338 244 Pag-338 Pag-338 245 Pag-338 Pag-338 246 Pag-329 Pag-3208 247 Pag-338 Pag-338 248 Pag-338 Pag-338 249 Pag-338 Pag-338 240 Pag-338 Pag-24 240 Pag-328 Pag-328 241 Pag-338 Pag-338 242 Pag-338 Pag-338 243 Pag-338		1	1	
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227 Iqra Siddique 2020-ag-1647 (Dr. Shahbaz) 2021-ag-1332 (Dr. Shahbaz) 2021-ag-1332 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1330 (Dr. Shahbaz) 2021-ag-1340 (Dr. Shahbaz) 202	226		•	, ,
227 Iqra Siddique 2020-ag-1647 (Dr. Shahbaz) Botany-2022 (Dr. Shahbaz) Trehalose induced modulation in morphological and biochemical attributes of Chickpea (Cicer arietinum L.) under dought stress conditions. 228 Afraz Mathiaz 2021-ag-1332 Botany-2023 (Dr. Shahbaz) Mitigation of chromium CrCl ₃ toxicity in Canola (Brassica naps L.) through foliar application of GA ₃ 229 Asma Ayub 2021-ag-1330 Botany-2023 (Dr. Shahbaz) Morph-physiological aspects of Turnip (Brassica rapa L.) when gibberellic acid was applied as foliar spray under saline conditions 230 Laraib Sajjad 2017-ag-4930 Botany-2023 (Dr. Shahbaz) Estimation of leaching losses of phosphorous in texturally different saline-sodic soils. 231 Ayesha Amin 2018-ag-315 Botany-2023 Shahbaz) Modulation in responses of Spinach (Spinacia Oleracea L.) by foliar application of thiourea under water deficit conditions 233 Sana Razzaq 2021-ag-1364 Botany-2023 (Dr. Shahbaz) Study of morpho-physiological attributes of wheat (Triticum aestivum L.) subjected to foliar application of thiourea under water deficit conditions 234 Amara Zafar 2021-ag-177 Botany-2023 (Dr. Shahbaz) Study of morpho-physiological and biochemical attributes of wheat (Triticum aestivum L.) subjected to foliar application of thiourea under water deficit conditions 236 Laiba Tariq 2017-ag-849 Botany-2023 (Dr. Shahbaz) Evaluation of d			(Dr.	L.) through exogenous application of trehalose as foliar
2020-ag-1647 (Dr. Shahbaz) Botany-2023 (Dr. Shahbaz) Botany-2023 (Dr. Shahbaz) Morph-physiological aspects of Turnip (Brassica rapa L.) when gibberellic acid was applied as foliar spray under saline conditions.			Shahbaz)	spray.
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Afraz Mathiaz 2021-ag-1332 CDr. (Dr. Shahbaz)		2020-ag-1647	(Dr.	biochemical attributes of Chickpea (Cicer arietinum L.)
229 Asma Ayub 2021-ag-1330 (Dr. Shahbaz) 230 Laraib Sajjad 2017-ag-4430 (Dr. Shahbaz) 231 Ayesha Amin 2017-ag-9963 232 Nida Allah Rakha (Dr. 2018-ag-315 233 Sana Razzaq 2021-ag-1364 (Dr. Shahbaz) 234 Amara Zafar 2021-ag-1364 (Dr. Shahbaz) 235 Sana Razzaq 2021-ag-1364 (Dr. Shahbaz) 236 Amara Zafar 2021-ag-1364 (Dr. Shahbaz) 237 Agsa Amara Zafar 2021-ag-1364 (Dr. Shahbaz) 238 Amara Zafar 2021-ag-1364 (Dr. Shahbaz) 239 Rama Rauf 2017-ag-9963 230 Interactive effect of foliarly applied trehalose and salt stress on canola (Brassica naps L.) 230 Modulation in responses of Spinach (Spinacia Oleracea L.) by foliar application of thiourea under water deficit conditions 230 Study of morpho-physiological and biochemical attributes of wheat (Triticum aestivum L.) under cadmium stress 235 Hamra Rauf 2021-ag-177 (Dr. Shahbaz) 236 Laiba Tariq 2017-ag-849 (Dr. Shahbaz) 237 Aqsa Zahoor 2016-ag-3684 (Dr. Shahbaz) 238 Romail Aslam 2017-ag-9553 (Dr. Shahbaz) 239 Romail Aslam 2017-ag-9553 (Dr. Shabbaz) 240 Iram Chaudhary 2019-ag-3208 (Dr. Shadban Dr. Sadian Dr. Saddam Murtaza 241 Muhammad Waqas 242 Sajjad Ahmad Agronomy Vaqas 243 Agronomy Vaqas 244 Muhammad Vaqas 245 Agronomy Vaqas 246 Pr. Gulam Murtaza 247 Agronomy Vaqas 248 Agronomy Vaqas 249 Agronomy Vaqas 240 Iram Chaudhary 240 Iram Chaudhary 240 Iram Chaudhary 241 Muhammad Vaqas 242 Sajjad Ahmad 243 Agronomy Vaqas 244 Agronomy Vaqas 245 Agronomy Vaqas 246 Agronomy Vaqas 247 Agronomy Vaqas 248 Agronomy Vaqas 249 Pr. Saddam Variaza 240 Iram Chaudhary 240 Iram Chaudhary 241 Muhammad Vaqas 242 Sajjad Ahmad 243 Agronomy Vaqas 244 Pr. Saddam Vaqas 245 Agronomy Vaqas 246 Agronomy Vaqas 247 Agronomy Vaqas 248 Agronomy Vaqas 249 Agronomy Vaqas 240 Iram Chaudhary 240 Iram Chaudhary 241 Muhammad Vaqas 242 Sajjad Ahmad 243 Agronomy Vaqas 244 Pr. Saddam Variaza 245 Agronomy Vaqas 246 Agronomy Vaqas 247 Agronomy Vaqas 248 Agronomy Vaqas 249 Agronomy Vaqas 240 Agronomy Vaqas 240 Agronomy Vaqas 241 Muhammad Vaqas 242 Sajjad Ahmad 243 Agronomy Vaqas 244 Agronomy Vaqas 245 Agronomy Vaqas 246 Agr			Shahbaz)	under drought stress conditions.
Asma Ayub 2021-ag-1330 GDr. Shahbaz) CDr. Shahbaz) L.) when gibberellic acid was applied as foliar spray under saline conditions Laraib Sajjad 2017-ag-4430 CDr. Shahbaz) Estimation of leaching losses of phosphorous in texturally different saline-sodic soils. Estimation of leaching losses of phosphorous in texturally different saline-sodic soils. Estimation of leaching losses of phosphorous in texturally different saline-sodic soils. Estimation of leaching losses of phosphorous in texturally different saline-sodic soils. Modulation in responses of Spinach (Spinacia Oleracea L.) by foliar application of thiourea under water deficit conditions Foliar applied thiourea (TU) induced alteration in morpho-physiological and biochemical attributes of wheat (Triticum aestivum L.) under cadmium stress Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. SISES Evaluation of different application of thiourea on radish (Raphanus sativus L.) subjected to saline conditions. SISES Reclamation response and phosphorous leaching from saline sodic soils. SISES Conditions SI	228	Afraz Mathiaz	Botany-2023	Mitigation of chromium CrCl ₃ toxicity in Canola
Asma Ayub 2021-ag-1330 CDr. Shahbaz) Botany-2023 Laraib Sajjad 2017-ag-4430 CDr. Shahbaz) Interactive effect of foliarly applied trehalose and salt stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Shahbaz stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stress on canola (Brassica naps L.) Stre		2021-ag-1332	(Dr.	(Brassica naps L.) through foliar application of GA ₃
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Shahbaz	229	Asma Ayub	Botany-2023	Morph-physiological aspects of Turnip (Brassica rapa
Laraib Sajjad 2017-ag-4430		2021-ag-1330	(Dr.	L.) when gibberellic acid was applied as foliar spray
2017-ag-4430			Shahbaz)	under saline conditions
Shahbaz Estimation of leaching losses of phosphorous in 2017-ag-9963 Dr. M. Sabir 2017-ag-9963 Dr. M. Sabir 2017-ag-9963 Dr. M. Sabir 2018-ag-315 Shahbaz Shahba	230	Laraib Sajjad	Botany-2023	Interactive effect of foliarly applied trehalose and salt
231 Ayesha Amin 2017-ag-9963 Dr. M. Sabir texturally different saline-sodic soils.		2017-ag-4430	(Dr.	stress on canola (Brassica naps L.)
2017-ag-9963 Dr. M. Sabir texturally different saline-sodic soils.			Shahbaz)	
Nida Allah Rakha (Dr. Cyc.) Shahbaz) S	231	Ayesha Amin	ISES-2023	Estimation of leaching losses of phosphorous in
Rakha 2018-ag-315 Shahbaz) Sana Razzaq 2021-ag-1364 CDr. Shahbaz) Botany-2023 CDr. Shahbaz) Study of morpho-physiological attributes of wheat (Triticum aestivum L.) under cadmium stress Study of morpho-physiological attributes of wheat (Triticum aestivum L.) under cadmium stress Study of morpho-physiological attributes of wheat (Triticum aestivum L.) subjected to foliar application of thiourea under copper stress. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline condition. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline condition. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline conditions. Evaluation of different application of thiourea on growth attributes of Pea (Pisum sativus L.) subjected to saline conditions. Evaluation of foliar application of thiourea on growth attributes of Pea (Pisum sativus L.) subjected to saline conditions. Evaluation of evaluation of thiourea on growth attributes of maintributes of wheat (Pisum sativus L.) subjected to saline conditions. Evaluation of evaluation of thiourea on growth attributes of morpho-physiological anttributes of wheat (Pisum sativus L.) subjected to saline condition. Evaluation of Evaluation of thiourea on growth attributes of morpho-physiological attributes of wheat (Pisum sativus L.) subjected to saline condition. Evaluation of Evaluation of thiourea on growth attributes of morpho-physiological attri			Dr. M. Sabir	texturally different saline-sodic soils.
2018-ag-315 Shahbaz Conditions	232	Nida Allah	Botany-2023	Modulation in responses of Spinach (Spinacia Oleracea
Sana Razzaq 2021-ag-1364 GDr. Shahbaz) Foliar applied thiourea (TU) induced alteration in morpho-physiological and biochemical attributes of wheat (Triticum aestivum L.) under cadmium stress		Rakha	(Dr.	L.) by foliar application of thiourea under water deficit
234 Amara Zafar (Dr. Shahbaz) Botany-2023 Study of morpho-physiological attributes of wheat (<i>Triticum aestivum</i> L.) under cadmium stress 235 Amara Rauf (Dr. Shahbaz) Study of morpho-physiological attributes of wheat (<i>Triticum aestivum</i> L.) subjected to foliar application of thiourea under copper stress. 235 Hamza Rauf (Dr. Shahbaz) Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline condition. 236 Laiba Tariq (Dr. Zahir A. Zahir) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr.		2018-ag-315	Shahbaz)	conditions
Shahbaz Shahbaz Shahbaz Shahbaz Study of morpho-physiological attributes of wheat (Dr. Shahbaz) (Triticum aestivum L.) subjected to foliar application of thiourea under copper stress.	233	Sana Razzaq	Botany-2023	
Amara Zafar 2021-ag-1282		2021-ag-1364	(Dr.	morpho-physiological and biochemical attributes of
2021-ag-1282 (Dr. Shahbaz) (Triticum aestivum L.) subjected to foliar application of thiourea under copper stress. Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline condition. Laiba Tariq 2017-ag-849 (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Sabir Shahbaz) (Dr. Sabir Shahbaz) (Dr. Sabir Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam (Dr. Saddam			Shahbaz)	wheat (Triticum aestivum L.) under cadmium stress
Shahbaz Shahbaz Shahbaz Shahbaz ISES-2023 Evaluation of different application of Rhizogold plus for improving the growth and yield of maize in saline condition.	234	Amara Zafar	Botany-2023	Study of morpho-physiological attributes of wheat
Hamza Rauf 2021-ag-177 Dr. Zahir A. Zahir		2021-ag-1282	(Dr.	(Triticum aestivum L.) subjected to foliar application of
236 Laiba Tariq 2017-ag-849 (Dr. Shahbaz) (Dr. 237 Aqsa Zahoor 2016-ag-3684 (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahb			Shahbaz)	thiourea under copper stress.
Zahir Condition.	235	Hamza Rauf	ISES-2023	Evaluation of different application of Rhizogold plus for
Laiba Tariq 2017-ag-849		2021-ag-177	Dr. Zahir A.	improving the growth and yield of maize in saline
2017-ag-849 (Dr. Shahbaz) conditions 237 Aqsa Zahoor 2016-ag-3684 (Dr. Shahbaz) Effect of foliar application of thiourea on growth attributes of Pea (Pisum sativum L.) under saline conditions. 238 Aqsa Zainab ISES Reclamation response and phosphorous leaching from saline sodic soils. 239 Romail Aslam 2017-ag-9553 Dr. Saddam Por. Saddam 2019-ag-3208 Dr. Gulam Murtaza Sativum Dr. Saddam Por. Gulam Murtaza Satipum Sativum L.) under saline sodic soils. 240 Iram Chaudhary 2019-ag-3208 Dr. Gulam Murtaza Sativus L.) subjected to saline conditions. 241 Muhammad Agronomy Dr. Saddam Sativus L.) subjected to saline sodic soils. 242 Sajjad Ahmad 2021-ag-29 Dr. Saddam Por. Saddam Sativus L.) subjected to saline conditions.				
Shahbaz conditions	236	Laiba Tariq	Botany-2023	Influence of pre-sowing seed treatment with thiourea on
237 Aqsa Zahoor 2016-ag-3684 (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Dr. Shahbaz) (Shahbaz) (Conditions. 238 Aqsa Zainab (Dr. Sabir Shahbaz) (Conditions) (Dr. Sabir Saline sodic soils. 239 Romail Aslam 2017-ag-9553 (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (Dr. Saddam Saline sodic soils) (D		2017-ag-849	(Dr.	radish (Raphanus sativus L.) subjected to saline
238 Aqsa Zainab ISES Reclamation response and phosphorous leaching from Saline sodic soils. 239 Romail Aslam 2017-ag-9553 Dr. Saddam 2019-ag-3208 Dr. Gulam Murtaza 240 Muhammad Agronomy Waqas 2017-ag-9318 241 Sajjad Ahmad 2021-ag-29 242 Sajjad Ahmad 2021-ag-29 243 Aqsa Zainab ISES Reclamation response and phosphorous leaching from saline sodic soils. 244 Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of autumn maize 245 Parametric Pea (Pisum sativum L.) under saline conditions. 246 Reclamation response and phosphorous leaching from saline sodic soils. 247 Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of wheat. 248 Sajjad Ahmad Agronomy Pield optimization of plant-based polymers for the growth and productivity of wheat.			Shahbaz)	conditions
Shahbaz) conditions. 238 Aqsa Zainab ISES Reclamation response and phosphorous leaching from saline sodic soils. 239 Romail Aslam 2017-ag-9553 Dr. Saddam Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of autumn maize 240 Iram Chaudhary 2019-ag-3208 Dr. Gulam Murtaza Dr. Gulam Murtaza Of ascorbic acid. 241 Muhammad Agronomy Waqas 2017-ag-9318 Dr. Saddam Dr. Saddam Sajjad Ahmad 2021-ag-29 Dr. Saddam Prield optimization of plant-based polymers for the growth and productivity of wheat.	237	Aqsa Zahoor	Botany-2023	Effect of foliar application of thiourea on growth
238Aqsa ZainabISES Dr. SabirReclamation response and phosphorous leaching from saline sodic soils.239Romail Aslam 2017-ag-9553Agronomy Dr. SaddamUse of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of autumn maize240Iram Chaudhary 2019-ag-3208ISES Dr. Gulam MurtazaAlleviation of adverse effect of salinity stress on cauliflower (Brassica Oleracea L.) by foliar application of ascorbic acid.241Muhammad Waqas 2017-ag-9318Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of wheat.242Sajjad Ahmad 2021-ag-29Agronomy Dr. SaddamField optimization of plant-based polymers for the growth and productivity of wheat.		2016-ag-3684	(Dr.	attributes of Pea (Pisum sativum L.) under saline
Dr. Sabir Saline sodic soils.			Shahbaz)	conditions.
 Romail Aslam 2017-ag-9553 Iram Chaudhary 2019-ag-3208 Muhammad Waqas 2017-ag-9318 Sajjad Ahmad 2021-ag-29 Romail Aslam Agronomy Dr. Saddam Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of autumn maize Alleviation of adverse effect of salinity stress on cauliflower (<i>Brassica Oleracea</i> L.) by foliar application of ascorbic acid. Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of wheat. Field optimization of plant-based polymers for the growth and productivity of wheat. 	238	Aqsa Zainab	ISES	Reclamation response and phosphorous leaching from
240 Iram Chaudhary 2019-ag-3208 Dr. Gulam Murtaza Dr. Saddam 241 Muhammad Waqas Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Sad			Dr. Sabir	
240 Iram Chaudhary 2019-ag-3208 Dr. Gulam Murtaza Dr. Saddam 241 Muhammad Waqas Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Saddam Dr. Sad	239	Romail Aslam	Agronomy	Use of plant based superabsorbent polymers for
240 Iram Chaudhary 2019-ag-3208 Dr. Gulam Cauliflower (<i>Brassica Oleracea</i> L.) by foliar application of ascorbic acid. 241 Muhammad Agronomy Waqas Dr. Saddam Dr. Saddam Dr. Saddam Agronomy 2017-ag-9318 242 Sajjad Ahmad Agronomy Dr. Saddam Pield optimization of plant-based polymers for the growth and productivity of wheat.		2017-ag-9553	Dr. Saddam	
2019-ag-3208 Dr. Gulam Cauliflower (Brassica Oleracea L.) by foliar application of ascorbic acid. 241 Muhammad Waqas Dr. Saddam Dr. Saddam Dr. Saddam Pield optimization of plant-based polymers for the growth and productivity of wheat.				
2019-ag-3208 Dr. Gulam Cauliflower (Brassica Oleracea L.) by foliar application of ascorbic acid. 241 Muhammad Waqas Dr. Saddam Dr. Saddam Dr. Saddam Pield optimization of plant-based polymers for the growth and productivity of wheat.	240	Iram Chaudhary	ISES	Alleviation of adverse effect of salinity stress on
Murtaza of ascorbic acid. 241 Muhammad Agronomy Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of wheat. 242 Sajjad Ahmad Agronomy Field optimization of plant-based polymers for the growth and productivity of wheat.		_	Dr. Gulam	
 Muhammad Waqas 2017-ag-9318 Sajjad Ahmad 2021-ag-29 Muhammad Waqas 2017-ag-9318 Use of plant based superabsorbent polymers for enhancing the productivity and resource use efficiency of wheat. Field optimization of plant-based polymers for the growth and productivity of wheat. 			Murtaza	
Waqas 2017-ag-9318 Dr. Saddam enhancing the productivity and resource use efficiency of wheat. Sajjad Ahmad 2021-ag-29 Dr. Saddam enhancing the productivity and resource use efficiency of wheat.	241	Muhammad	Agronomy	Use of plant based superabsorbent polymers for
2017-ag-9318 of wheat. 242 Sajjad Ahmad Agronomy Field optimization of plant-based polymers for the growth and productivity of wheat.		Waqas		<u> </u>
Sajjad Ahmad Agronomy Field optimization of plant-based polymers for the growth and productivity of wheat.		*		
2021-ag-29 Dr. Saddam growth and productivity of wheat.	242	•	Agronomy	Field optimization of plant-based polymers for the
	243			

	2018-ag-8704	Dr. Zahir	growth and yield of wheat.
244	Aneeza Muzaffar 2022-ag-1257	Botany-2024 Dr. Shahbaz	Efficiency of foliar application of Glycine betaine in Canola (Brassica napus L.) under nickel stress
245	Zainab Akbar 2022-ag-455	ISES-2024 Dr. Sadia	Human health risk assessment by nitrate entry into food chain through waste water cultivated vegetables
246	Maida Fatim 2022-ag-1256	Botany-2024 Dr. Shahbaz	Melatonin mediated regulation in morpho-physiological and biochemical attributes of turnup (<i>Brassica rapa</i> L.) under salinity stress
247	Rubab Rizwan 2022-ag-446	ISES-2024 Dr. Sabir	Assessment of metal contamination of soil, water and plants in per-urban areas of Faisalabad
248	Iqra Nazar 2022-ag-1374	Botany-2024 Dr. Shahbaz	Application of methionine as foliar spray om Pea (Pisum sativum L.) under salt stress
249	Yamna Tamreen 2022-ag-1253	Botany-2024 Dr. Shahbaz	Influence of foliar application of SA on carrot (Daucus carota L.) under drought stress conditions
250	Maleeha Ashraf 2018-ag-6878	ISES-2024 Dr. Saif	Canola growth and yield in response to sulfur application in salt affected soils
251	Muhammad Matie-un-Nabi 2022-ag-3000	Botany-2024 Dr. Shahbaz	
252	Nimra Kiran 2022-ag-1355	Botany-2024 Dr. Saddam	Role trehalose priming in enhancing Ramie (Boehmeria nivea) tolerance against salinity stress.
253	Sobia Mahmood 2018-ag-7377	ISES-2024 Dr. Sabir	Effect of different organic amendments on the degradation of acetylsalicylic acid in water
254	Muhammad Mubeen Saghir 2018-ag-6908	Agronomy- 2024 Dr. Shahbaz Naeem	Evaluating the comparative effect of different types of manure and fertilizer on growth and yield of canola
255	Ayza Zainab 2022-ag-1324	Botany-2024 Dr. Shahbaz Naeem	Exploring the role of foliar applied organic acids in enhancing Maize (Zea mays L.) grain iron concentration
256	Areeba Abdul Khaliq 2022-ag-1323	Botany-2024 Dr. Shahbaz Naeem	Evaluating the effect of ascorbic acid and salicylic acid foliar application on the growth and yield of Maize (<i>Zea mays</i> L.) under drought stress
257	Ehtisham Hanif 2022-ag-112	ISES-2024 Dr. Sabir	Growth and yield response of wheat to phosphorous application in texturally different salt -affected soils during reclamation
258	Muhammad Hammad ur Rehman 2018-ag-6680	Agronomy- 2024 Dr. Shahbaz Naeem	Optimization of laser treatment duration to improve mustard productivity under salt stress

Ph.D (As Committee Member)

	Name of	· · · · · · · · · · · · · · · · · · ·	T:410 of The!-
S. #	Name of Student	Year	Title of Thesis
1	Muhammad	2009/ISES	Bioaccumulation of cadmium in grain crops
	Zia-ur-Rehman	Completed	as affected by inorganic amendments
	95-ag-1399		
2	Muhammad	2009/ ISES	Phyto availability of nickel (Ni) in contaminated
	Sabir	Completed	soils in response to soil-applied
	95-ag-1414		amendments
3	Shamim Ahmad	2009/Agronomy	Influence of foliar application of nitrogen on drought
	93-ag-1237	Completed	tolerance of sunflower (Helianthus annus L.)
4	Raja Ghulam	2012/Agronomy	Ameliorative effects of foliar –applied potassium on
	Muhammad	Completed	cotton (Gossypium hirsutum L.) plants exposed to
	Hur		water stress
_	2001-ag-1091	2014/ 4	What (The control of the control of
5	Fahim Nawaz	2014/ Agronomy	Wheat (<i>Triticum aestivum</i> L.) response to exogenous
	2003-ag-1820	Completed	selenium supply under drought stress
6	M. Adnan	2014/Agronomy	Wheat (Triticum aestivum L.) response to exogenous
	Bukhari	Completed	silicon supply under drought stress
	2003-ag-2375	•	
7	Rai Altaf	2014/ Agronomy	Effect of supplemental foliar application of N and K
	Hussain	Completed	under drought tolerance of sunflower (Helianthus
0	2003-ag-1512	2014/1979	annus L.)
8	Muhammad	2014/ ISES	Alleviation of salinity x boron toxicity by K
	Aftab	Completed	application in cotton (Gossypium hirsutum L.)
10	2004-ag-1436 Muhammad	2014/ISES	Microbial assisted phytoremediation of lead (Pb)
10	Yahya Khan	Completed	contaminated soils
	2005-ag-1311	Completed	contaminated sons
11	Waqas-ud-Din	2013/ ISES	Mitigation of salinity stress in maize silicon nutrition
	Khan	Completed	
	2005-ag-1919		
12	Sana Ullah	2013/ ISES	Potential impact of Bt. and non-Bt. cotton on
	Yasin	Completed	rhizophere microbial community, enzymatic activity
	2005-ag-1315	(2016)	and cottonseed oil quality.
13	AAmer sajjad	Agronomy/2013	System productivity and resource use efficiency of
	2005-ag-1586	Completed	Cotton -wheat relay cropping system.
14	Jan Muhammad	ISES/2015	Efficiency of Zn Utilization in Rice (Oryza sativa
	2005-ag-1271	Completed	L.) genotypes under saline conditions
15	Naseem Akhtar	2014/ISES	Biocontrol of seedling blight by co-inoculation with
	87-ag-1030	Completed	microbial consortia.
16	Abid Mahmood	2016/ISES	Effect of biochar in improving the nodulation,
	2005-ag-1741	Completed	growth and yield of Rhizobium inoculated Mung
		1	bean (Vigna radiate L.)
17	Muhammad	Horticulture/2015	Evaluation of thermo-tolerance and its enhancement
	Rashid Shaheen	Completed	in Tomato (Solanum lycopersicum L.)
	2004-ag-1175		

18	Muhammad Rashid Hussain 2006-ag-1947	Horticulture/2016 Completed	Evaluation of heat-tolerance potential and its enhancement in Okra (<i>Abelmochus esculentus</i> L. Moench)
19	Muhammad Azhar 2010-ag-509 Dr. Zia ur Rahman	ISES/2018 Completed-	Phyto-availability of Cadmium to rice and wheat in contaminated soils treated with organic amendments.
20	Muhammad Arfan	Agronomy/2018 Completed	Exogenous application of salicylic acid improves physiological processes of maize (<i>Zea mays</i> L.) Hybrids under limited water conditions
21	Yasmin Sarwar 2002-ag-1235 Dr. Muhammad Shahbaz	Botany/2018 Completed	Modulation in growth, physiological and biochemical attributes of sunflower (<i>Helianthus annus</i> L.) by GR24 application under saline stress.
22	Syed Mohsin Abbas 2000-ag-1039	Agronomy/2018 completed	Effect of salicylic acid on bio- productivity and drought tolerance potential of marigold (<i>Tagetes erecta</i> L.)
23	Maria Naqve 2012-ag-73	Botany/2018 completed	Response of Okra [Abelmoschus esculentus (L.) Moench] to exogenous application of alpha tocopherol as foliar application and pre seed treatment under saline conditions.
24	Maham Saddique	Botany/2018 completed	Response of eggplant (<i>Solanum melongena</i> L.) to exogenously applied alpha tocopherol under drought stress conditions
25	Sajida Azhar 2033-ag-2350	ISES/2019	Interactive effect of nitrogenous fertilizer and salinity on growth and oil quality of soybean (Glycine <i>max</i> L.)
26	Abida Abid 2012-ag-34	Botany/2021	Influence of exogenously applied trehalose on Flax (<i>Linum usitatissimum</i> L.) under drought stress conditions.
27	Zunaira Riaz 2013-ag-390	Botany/2021	Modulation in Cotton (Gossypium hirsutum L.) attributes by exogenous application of thiourea under saline conditions.
28	Misba 2012-ag-644	Botany/2021	Alteration in morphological, physiological, and biochemical attributes of cotton (Gossypium <i>hirsutism</i> L.) in response to exogenous application of thiourea under water deficit conditions
29	Muhammad Luqman 2012-ag-08	Botany/2021	Variation in morpho-physiological and biochemical attributes of maize (<i>Zea mays</i> L.) to exogenously applied strigolactone (GR24) as foliar spray and presed treatment under drought stress conditions.
30	Hafiza Iqra Khalid 2010-ag-2022	ISES/2022 Dr. Gulam Murtaza	Synthesis and application of nanoparticles for remediation of cadmium contaminated soil during wheat growth.
31	Imran Abdullah 2015-ag-1414	Botany (Dr. Mansoor Hameed)	Distribution, Ecology, and adoptive components in Rhazya Stricta Decne. from different ecological regions

32	Muhammad Ashar Ayub 2011-ag-3001	ISES/2024 Dr. Hammad Raza	Effect of cerium oxide nanoparticles on growth response of Maize and Wheat in cadmium contaminated soil.
33	Tasawar Ali 2006-ag-1965	ISES/2024 Dr. Javed Akhtar	Quantification of bioavailable Zinc in wheat (<i>Triticum aestivum</i> L.) under saline conditions
34	Abida Abid 2012-ag-34	Botany/2024 (Dr. Shahbaz)	Influence of exogenously trehalose on flax (<i>Linum usitatissimum</i> L.) under drought stress conditions.
35	Zyma Basharat 2014-ag-1706	Botany/2024 (Dr. Shahbaz)	Morhpo-physiological and biochemical responses of flax (<i>Linum usitatissimum</i> L.) to exogenously applied glycine betaine under water deficit conditions
36	Mudassar Nadeem 2015-ag-2403	Botany/2024 (Dr. Shahbaz)	Response of wheat (<i>Triticum aestivum</i> L.) to exogenous applied β - carotien and Gibberellic scid (GA ₃) under salt stress
35	Sobia Akram 2004-ag-1353	ISES/2024 DrAnwar ul Haq	Exogenously applied silicon and salicylic acid to grow wheat (<i>Triticum aestivum</i> L.) crop during salinity stress