

Prof. Dr. Muhammad Anjum Zia

Scopus author identifier Author ID: 12795768900



ORCID ID <http://orcid.org/0000-0003-2733-576X>

Web of Science Researcher ID AAS-9958-2021

Endeavour Fellow, Charles Wallace Fellow

HEC Approved Supervisor



Professor & Chairperson,
Department of Biochemistry,
University of Agriculture, Faisalabad-38040, Pakistan.

Cell: +92 333 6575961
Tel: 041 9200161/3347
Email: anjum.zia@uaf.edu.pk
Web: www.uaf.edu.pk

Education

Research Fellowship (2015)	School of Healthcare Science, Manchester Metropolitan University, UK.
Post-Doctorate (2008)	The Australian National University, Canberra ACT, Australia.
Ph.D. Biochemistry (2007)	University of Agriculture, Faisalabad, Pakistan.
M.Phil. Biochemistry (2002)	University of Agriculture, Faisalabad, Pakistan.
M.Sc. Biochemistry (1999)	University of Agriculture, Faisalabad, Pakistan.

Awards:

- UGC Fellowship-2001 (University Grants Commission, Pakistan).
- Endeavour Award, Government of Australia 2008.
- Research Productivity Award-2011, 2012, 2014 by Pakistan Council of Science and Technology, Pakistan.
- Charles Wallace Fellowship 2014-15 by Charles Wallace Trust, UK.
- Australian Alumni Excellence Award 2015 for Endeavour Scholarships and Fellowships, Australian Government.

Research Projects

- Principal Investigator: So Sweet: Stevia Promotion and Cultivation in Punjab. Funded by Endowment Fund Secretariat. (Cost Rs. 3.1 million). In Progress.
- Project Director/Team Leader: Development of Biogas Technology and Organic Fertilizer (Consultancy Project). Funded by Pak-Suzuki Motors Corporation. (Cost Rs. 28.825 million). In Progress.
- Project Director: English Access Scholarship Program (2023-2025). Funded by U.S. Department of State US (Cost \$130,000 ~Rs. 37 million). In Progress.
- Principal Investigator: Cultivation and Awareness of Stevia in Punjab. Company Incubated by BIC (ORIC) UAF. Incubatee.
- Project Director: English Works Program 2022-2023. Funded by US Department of State (Cost US \$98,434 ~Rs. 28 million. Completed 2023).
- PI of "Preparation of allergen free streptokinase by genetic modifications in *Streptococcus*". Funded by Higher Education commission, Pakistan. (Cost Rs. 5.22 million. Ref. No. 20-4921/NRPU/R&D/HEC/14/524 dated 11.01.2016; Completed 2022).
- Project Director: English MicroAccess Program 2020-2022. Funded by U.S. Department of State (Cost US \$ 120036. Completed 2022).
- PI of "Mutagenesis of *Aspergillus niger* for hyperproduction of glucose oxidase". Funded by Higher Education commission, Pakistan. (Cost Rs. 2 million, Ref. No. 20-1119/R&D/07/1143; dated 07-05-2008, Completed 2013).
- HEC Indigenous PhD Scholar Research Project: Industrial Production of Bioethanol by Mutant Strain of *Saccharomyces cerevisiae*". Funded by Higher Education commission, Pakistan. (Completed 2011).
- PI of "Molecular Evaluation of Glucose Oxidase Gene from mutant derived *Aspergillus niger*". HEC Indigenous PhD Scholar Research Project. (Completed 2015).
- PI of "Mutagenesis of indigenous *Streptococcus equisimilis* isolates for enhanced production of streptokinase". HEC Indigenous PhD Scholar Research Project. (Completed 2015).
- PI of "Isolation and mutagenesis of a bacterial strain for enhanced production and characterization of organophosphate hydrolase". HEC Indigenous PhD Scholar Research Project. (Completed 2015).
- PI of "Structure base enzymatic engineering of plant glycosyltransferases". HEC Indigenous PhD Scholar Research Project. (Completed 2016).

Students Supervised

PhD	<i>Produced: 14</i>	<i>In Process: 5</i>	<i>Total: 19</i>
MPhil	<i>Produced: 189</i>	<i>In Process: 20</i>	<i>Total: 209</i>
MSc/BS	<i>Produced: 116</i>	<i>In Process: 15</i>	<i>Total: 131</i>
BS (Hons.) Students Supervised for Research Report/Internship			<i>Total: 08</i>
As Major Supervisor:			359
As Co-Supervisor:			50
As Member of Supervisor Committee:			650

Publications

- 180+ Publications in peer-reviewed Journals (Impact Factor ~200).
- Written 2 Manuals, 15+ Book Chapters & 10+ Popular Articles.
- 300+ Talks in Foreign and local Conferences/Symposiums/Seminars etc.
- Participated in 400+ National/International Conferences and Seminars.
- Participated in 100+ Training Courses and Workshops.
- Organized 200+ Conferences/Workshops/Symposia etc.

List of Significant Publications

1. Amjad, H., K. Abbas, S. Abdullah and **M.A. Zia**. 2025. Loss of genetic polymorphism in hatchery produced *Cirrhinus mrigala* as revealed by microsatellite loci analyses. *Pakistan J. Zoology*. 57(2): 851-859.
2. Ahmad M., M. Tahir, Z. Hong, **M.A. Zia**, H. Rafeeq, M.S. Ahmad, Su. Rehman and J. Sun. 2025. Plant and marine-derived natural products: sustainable pathways for future drug discovery and therapeutic development. *Frontiers in Pharmacology*. 15:1497668.
3. Zafar, Z., I.A. Bhatti, M.A. Hanif and **M.A. Zia**. 2025. Enhanced recovery of phenolics from *Acalypha fruticosa* by micelle-mediated extraction, antioxidant, antimutagenic, antimicrobial evaluation, and chemical profiling. *Biomass Conversion and Biorefinery*. 15: 2025-2036.
4. Ameen M., **M.A. Zia**, H.F. Najeeb-Alawadi, M. Naqve, A. Mahmood, A.N. Shahzad, B.A. Khan, B.A. Alhammad, M. Aljabri and M.F. Seleiman. 2024. Exogenous application of selenium on sunflower (*Helianthus annuus* L.) to enhance drought stress tolerance by morpho-physiological and biochemical adaptations. *Frontiers in Plant Science*. 15:1427420.
5. Ameen M., A. Mahmood, A.N. Shahzad, **M.A. Zia** and M.M. Javaid. 2024. Sorghum's potential unleashed: A comprehensive exploration of bio-energy production strategies and innovations. *Bioresource Technology Reports*. 27:101906.
6. Hanif, S., A. Mahmood, T. Javed, S. Bibi, **M.A. Zia**, S. Asghar, Z. Naeem, S. Ercisli, M. Rahimi and B. Ali. 2024. Exogenous application of salicylic acid ameliorates salinity stress in barley (*Hordeum vulgare* L.). *BMC Plant Biology*. 24: 1-16.
7. Ameen, M., A. Mahmood, A. Sahkooor, **M.A. Zia** and M.S. Ullah. 2024. The role of endophytes to combat abiotic stress in plants. *Plant Stress*. 12: (3) 100435.
8. Ameen, M., A. Zafar, A. Mahmood, **M.A. Zia**, K. Kamran, M.M. Javaid, M. Yasin and B.A. Khan. Melatonin as a master regulatory hormone for genetic responses to biotic and abiotic stresses in model plant *Arabidopsis thaliana*: a comprehensive review. 2024. *Functional Plant Biology*. 51: FP23248.
9. Rashid, M.H., M. Inam-ur-Raheem, R.M. Aadil and **M.A. Zia**. 2024. Impact of food additives and thermal treatments on physicochemical and microbial quality characteristics of mango (*Mangifera indica*) pulp during storage. *Food Measure*. 18: 5804-5812.
10. Rabail, R., R.M. Aadil, A. Sahar and **M.A. Zia**. 2024. Nutritional and physicochemical analysis of edible oil blend with improved ratios of cardioprotective nutritional indices and physicochemical properties. *Food Measure*. 18: 3584-3594.
11. Mukhtiar, A., A. Mahmood, **M.A. Zia**, M. Ameen, R. Dong, Y. Shoujun, M.M. Javaid, B.A. Khan, M.A. Nadeem. 2024. Role of biogas slurry to reclaim soil properties providing an eco-friendly approach for crop productivity. *Bioresource Technology Reports*. 25: 101716.

12. Arshad, T., W. Lihong, H.F.N. Alawadi, A. Mahmood, **M.A. Zia**, M. Naqve, B. Ali, M. Nawaz, M.U. Hassan, A. Hashem, E.F. Abd Allah. 2024. Alleviating adverse effects of environmental stress in plants through chitosan application. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 52(2): 13538.
13. Mukhtiar, A., **M.A. Zia**, H.F.N. Alawadi, M. Naqve, M.F. Seleiman, A. Mahmood, M.I. Majeed, M.B. Hafeez, B.A. Khan and N. Khan. 2024. Role of iron oxide nanoparticles in maize (*Zea mays* L.) to enhance L.) Salinity stress tolerance. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 52(3): 13695.
14. Ahmad, M., M. Naqve, W. Lihong, **M.A. Zia**, A. Mahmood, M.M. Javaid, M. Ameen, A.A. Rashed, Adnan Rasheed, M.U. Hassan and S.H. Qari. 2024. Mitigating negative impact of salinity on berseem (*Trifolium alexandrinum*) by foliar application of salicylic acid. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 52(1):13467.
15. Mukhtiar, A., W. Lihong, A. Mahmood, M. Ameen, **M.A. Zia**, T. Arshad and M.U. Hassan. 2023. The role of endophytes and rhizobacteria to combat drought stress in wheat (Review Paper). *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 51(4): 13453.
16. Ahmed, W., M.A. Shabbir, R.M. Aadil, **M.A. Zia** and A. Pratap-Singh. 2023. Mitigating postfrying degradation factors of fats and oils through the development of bagasse-based adsorbent. *Journal of Food Quality*.
17. Jabeen, M., S. Naz, H. Amjad, K. Abbas, S. Abdullah, **M.A. Zia**, T. Safdar and M.S. Ahmed. 2023. DNA markers based genetic polymorphism in natural populations of *Channa marulius*. *Pakistan J. Zoology*. 55(6): 2587-2593.
18. Namet, S., M.R. Khan, R.M. Aadil and **M.A. Zia**. 2023. Development and stabilization of value-added functional drink using melon by-product agricultural waste. *Journal of Food Processing and Preservation*. Vol. 2023.
19. Akhtar, A., S. Abdullah, A. Mateen and **M.A. Zia**. 2023. Impact of different percentages of animal and plant based dietary lipids on the weight gain, total length, fork length and serum metabolites of *Cirrhinus mrigala*. *Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition*. 66(3): 150-158.
20. Kanwal, N., I. Pasha, A. Shehzad, R. Shaukat and **M.A. Zia**. 2023. Chemometric characterization of twenty barley varieties/lines based upon mineral profiling. *Pakistan Journal of Agricultural Sciences*. 60(2): 273-282.
21. Majeed, S., S.U. Rehman, **M.A. Zia**, and J. Iqbal. 2023. Investigation of difluorobenzene bridged cross-conjugated benzodithiophene-based small molecules with efficient photovoltaic parameters. *Journal of Materials Science: Materials in Electronics* 34: 494.
22. Noureen, S., S. Ali, **M.A. Zia**, M. Afzal, A. R. Ayub and M. El-Naggar. 2023. Synthesis, combined theoretical and spectral characterization of some new 1,3,5 triazine compounds, and their *in vitro* biological analysis. *Reaction Chemistry & Engineering*. 8(2): 465-481.
23. Hazafa, A., N. Jahan, **M.A. Zia**, K.U. Rahman, M. Sagheer and M. Naeem. 2022. Evaluation and optimization of nanosuspensions of *Chrysanthemum coronarium* and *Azadirachta indica* using response Surface methodology for pest management. *Chemosphere*. 292:133411.
24. Sharif, T., H.N. Bhatti, B. Sultana, M.K. Saleemi, and **M.A. Zia**. 2021. Chemical profiling and *in-vitro* anti-fungal and antioxidant activities of citrus peel essential oil. *Pakistan Journal of Agricultural Sciences*. 31(6): 1788–1801.
25. Arif, R. **M.A. Zia** and G. Mustafa. 2021. Structural and functional annotation of napin-like protein from *Momordica Charantia* to explore its medicinal importance. *Biochemical Genetics*. Published Online
26. Mujtaba, N., Jahan, N., Sultana, B., Zia, M.A. 2021. Isolation and characterization of antihypertensive peptides from soybean protein. *Brazilian Journal of Pharmaceutical Sciences*. 57: e19061.
27. Tahir, D.S., B. Madiha and **M.A. Zia**. 2021. An ignored contributing factor of vitamin-d deficiency, despite the strong association with breast carcinoma among women in Punjab, Pakistan. *Nutrition and Cancer*. Published online:
28. Akbar, G., **M.A. Zia**, A. Jamil and F.A. Joyia. 2021. Overproduction of streptokinase from *Streptococcus mutans* EBL-37-UV90 by performing optimizational studies. *Journal of Animal and Plant Sciences*. 31(6): 1788-1801.
29. Naz, H., S. Abdullah, T. Ahmed, K. Abbas, M.U. Ijaz, M.A. Hassan and **M.A. Zia**. 2021. Thermal stability of purified superoxide dismutase from liver of commercially valuable fish, *Labeo rohita* exposed to Pb+Cr mixture. *Pakistan Journal of Agricultural Sciences*. 58(4): 1191-1196.
30. Ahmad, A., M.A. Shabbir, R.M. Aadil and **M.A. Zia**. 2021. Quality assessment of used edible fats and oils by

local vendors of Faisalabad. Pakistan Journal of Agricultural Sciences. 58:1867-1877.

31. Ahmed, I., S.U. Rehman, S. Shahmohamadnejad, **M.A. Zia**, M. Ahmad, M.M. Saeed, Z. Akram, H. M.N. Iqbal and Q. Liu. 2021. Therapeutic attributes of endocannabinoid system against neuro-inflammatory autoimmune disorders. *Molecules*. 26(11): 3389.
32. Qadeer, S., M.S. Khan, F.A. Joyia and **M.A. Zia**. 2021. Immunogenic profiling and designing of a novel vaccine from capsid proteins of FMDV serotype Asia-1 through reverse vaccinology. *Infection, Genetics and Evolution*. 3: 104925.
33. Hafeez, M.A., A.S. Maan, M.S. Butt and **M.A. Zia**. 2021. Development and characterization of biodegradable food packaging films from food industrial wastes. *Pakistan Journal of Agricultural Sciences*. 57(5): 609-619.
34. Ahmed, I., **M.A. Zia**, H. Afzal, S. Ahmed, M. Ahmad, Z. Akram, F. Sher and H.M.N. Iqbal. 2021. Review: Socio-economic and environmental impacts of biomass valorisation: a strategic drive for sustainable bioeconomy. *Sustainability*. 13: 4200.
35. Riaz, R., M.S. Khan, F.A. Joyia and **M.A. Zia**. 2021. Designing of multiepitope-based subunit vaccine (MESV) against prevalent serotype of foot and mouth disease virus (FMDV) using immunoinformatics approach. *Pakistan Veterinary Journal*. 41(3): 400-408.
36. Habib, M., F.S. Awan, B. Sadia, **M.A. Zia**. 2020. Genetic dissection of yield enhancing traits in Pakistani spring wheat genotypes. *Pakistan Journal of Agricultural Sciences*. 57(5): 1243-1251.
37. Ejaz, R., M.K. Sharif, I. Pasha and **M.A. Zia**. 2020. Cooking and eating quality characteristics of some Pakistani rice varieties. *Pakistan Journal of Agricultural Sciences*. 57(2): 525-533.
38. **Zia, M.A.** 2020. Streptokinase: An Efficient Enzyme in Cardiac Medicine. (Review Paper). *Protein and Peptide Letters*. 27(2): 111-119.
39. Arshad, R., A. Sameen, N. Huma and **M.A. Zia**. 2020. Exploring the potential of active edible coating on the shelf stability of dairy products. *Pakistan Journal of Agricultural Sciences*. 56(1): 237-244.
40. Aisha, A., M.A. Zia, M. Asgher and F. Muhammad. 2020. L-Asparaginase, acrylamide quenching enzyme production from leaves of *Tamarindus indica* and seeds of *Vigna radiata*—Fabaceae. *Pakistan Journal of Botany*. 52(1): 243-249.
41. Sarwari, G., B. Sultana, R.A. Sarfraz and **M.A. Zia**. 2019. Cytotoxicity, antioxidant and antimutagenic potential evaluation of peels of edible roots and tubers. *International Food Research Journal*. 26(6): 1773- 1779.
42. Ishaq, A., Q. A. Syed, M.I. Khan, **M.A. Zia**. 2019. Characterising and optimising antioxidant and antimicrobial properties of clove extracts against food-borne pathogenic bacteria. *International Food Research Journal*. 26(4): 1165-1172.
43. Munir, N., **M.A. Zia**, S. Sharif, I.M. Tahir, M. Jahangeer, I. Javed, M. Riaz, M.U. Sarwar, M. Akram, S.M.A. Shah. 2019. L-Asparaginase potential in acrylamide mitigation from foodstuff: Review Paper. *Progress in Nutrition*. 21(3): 498-506.
44. Ambreen, A., **M.A. Zia**, M. Asgher and F. Muhammad. 2019. Purification of robust L-asparaginase from *Capsicum annum* and its therapeutic efficacy in leukemia. *Pakistan Veterinary Journal*. 39(3): 428-432.
45. Naz, H., S. Abdullah, K. Abbas and **M.A. Zia**. 2019. Thermodynamic characterization of kidney superoxide dismutase from *Labeo rohita* exposed to the mixture of lead and chromium. *Pakistan Journal of Zoology*. 51(3): 1105-1112.
46. Ahsan, S., T. Zahoor, A. Shehzad and **M.A. Zia**. 2019. Valuation of co-culture soymilk as a pragmatic approach on hyperglycemia and hypercholesterolemia in sprague - dawley rats. *Journal of Animal and Plant Sciences*. 29(3): 674-683.
47. Arshad, A., **M.A. Zia**, M. Asgher and F.A. Joyia. 2019. Enhanced production of streptokinase by chemical mutagenesis of *Streptococcus agalactiae* EBL-20. *Brazilian Archives of Biology and Technology*. 62: e19170813.
48. Ahsan, S., T. Zahoor, A. Shehzad and **M.A. Zia**. 2019. Biochemical and nutritional characterization of different soybean varieties cultivated in Pakistan. *Pakistan Journal of Agricultural Sciences*. 56(1): 131-139.
49. Afsheen, N., K.U. Rehman, N. Jahan, K.M. Khan and **M.A. Zia**. 2019. Optimization of cardioprotective potential of various concentrations of medicinal plants by using response surface methodology. *Pakistan Veterinary*

Journal. 39(1): 13-18.

50. Fayyaz, M., M.S. Khan, F.A. Joyia and **M.A. Zia**. 2019. Sequence and structural analysis of synthetic VP2 antigenic protein as a subunit vaccine candidate against very virulent strains of infectious bursal disease virus. *Pakistan Veterinary Journal*. 39(1): 106-110.
51. Yasmin, I., M. Saeed, I. Pasha and **M.A. Zia**. 2019. Development of whey protein concentrate-pectin- alginate based delivery system to improve survival of *B. longum* BL-05 in simulated gastrointestinal conditions. *Probiotics and Antimicrobial Proteins*. 11(2):413-426.
52. Joyia, F.A. **M.A. Zia**, G. Mustafa, A. Faheem, H.T. Raana and M.S. Khan. 2018. Isolation, purification and functional characterization of fibrinolytic protease from an earthworm *Eisenia foetida*. *Pure and Applied Biology*. 7(2): 906-909.
53. Mehmood, T., M.R. Khan, M.A. Shabbir and **M.A. Zia**. 2018. Phytochemical profiling and HPLC quantification of citrus peel from different varieties. *Progress in Nutrition*. 20(1-S): 279-288.
54. Nazish, N., K. Abbas, S. Abdullah and **M.A. Zia**. 2018. Microsatellite diversity and population structure of hypophthalmichthys molitrix in hatchery populations of Punjab. *Turkish Journal of Fisheries and Aquatic Sciences*. 18(9): 1113-1122.
55. Sahar, A., S. Ali, T. Hussain, N. Jahan, **M.A. Zia**. 2018. Efficient optimization and mineralization of UV absorbers: A comparative investigation with Fenton and UV/H₂O₂. *Open Chemistry*. 16(1): 702-708.
56. Arshad, A., **M.A. Zia**, M. Asgher, F.A. Joyia and M. Arif. 2018. Enhanced production of streptokinase from *Streptococcus agalactiae* EBL-31 by response surface methodology. *Pakistan Journal of Pharmaceutical Sciences*. 31(4Suppl): 1597-1602.
57. Shakeel, A., M. Saeed, M.A. Randhawa and **M.A. Zia**. 2018. Isolation and characterization of bacteriocinogenic lactic acid bacteria from indigenous dairy source and its antimicrobial potential. *Pakistan Journal of Agricultural Sciences*. 55(1): 175-182.
58. Bano, Z., S. Abdullah, **M.A. Zia** and W. Hassan. 2017. Assessment of Heavy Metals and Antioxidant Enzyme in Different Organs of Fish from Farm, Hatchery and Indus River of Pakistan. *Pakistan Journal of Zoology*. 49(6): 2227-2233.
59. Naz, H., S. Abdullah, K. Abbas and **M.A. Zia**. 2017. Pesticides mixture toxicity; effects on superoxide dismutase activity in Indian major carps. *Pakistan Journal of Agricultural Sciences*. 54(3): 607-611.
60. **Zia, M.A.**, Qurat-ul-Ain, S. Abudullah, K. Abbas and I. Ahmed. 2017. Sub-lethal impact of heavy metals on antioxidant enzymes and biochemical parameters in rohu (*Labeo Rohita*). *Iranian Journal of Fisheries Sciences*. 16(2) 668-683.
61. Murtaza, M., M. Murtaza, S. Abdullah, W. Hassan, K. Abbas, H. Naz and **M.A. Zia**. 2016. Studies on amylase and lipase activity in fishes fed with diet containing different feed ingredients. *Punjab University Journal of Zoology*. 31(2): 165-169.
62. Ahmed, T., S. Abdullah, K. Abbas and **M.A. Zia**. 2016. Catalase enzyme response to chronic Pb+Cd metal mixture exposure, its purification and partial characterization from the kidney of freshwater fish *Oreochromis niloticus*. *Pakistan Journal of Zoology*. 48(6): 1733-1740.
63. Ahmed, I., **M.A. Zia** and H.M.N. Iqbal. 2016. Detergent compatible purified endoglucanase from agro- industrial residue by *Trichoderma harzianum* under SSF. *BioResources*. 11(3): 6393-6406. August 2016 ISSN: 1930-2126.
64. Ahmed, T., S. Abdullah, K. Abbas, **M.A. Zia**, N. Nazish, S.Z.H. Shah and S.M.A. Naqvi. 2016. Purification and partial characterization of liver catalase from control and Pb+Cd metal mixture stressed *Oreochromis niloticus*. *Pakistan Journal of Agricultural Sciences*. 53(2): 431-437.
65. **Zia, M.A.**, N. Riaz, I. Ahmed, Z. Akram and S.A. Jafri. 2016. Biosensor fabrication for the blood glucose level determination. *Electronic Journal of Biology*. 12(2): 140-144.
66. Majeed, H.N., **M.A. Zia**, M. Yang, M.A. Sheikh and I.A. Bhatti. 2015. Cloning and site directed mutagenesis of UGT76E1 leads to changed substrate activity in *Arabidopsis thaliana*. *International Journal of Agriculture and Biology*. 17(6): 1125-1132.
67. Sahar, T., **M.A. Zia**, M.A. Sheikh and S. Ali. 2015. Hyper-production of glucose oxidase (GOX) from *Aspergillus niger* by using chemical mutagenesis. *Journal of Pure and Applied Microbiology*. 9(2): 963-972.

Other Responsibilities

1. Chairperson: Department of Biochemistry, UAF.
2. Chief Hall Warden, UAF (2024-2025).
3. Executive Director, Endowment Fund Secretariat, UAF (2024-2025).
4. Principal: UAF Community College, PARS (2020-2024).
5. Principal Officer (Schools), Laboratory Schools & Colleges System, UAF (2020-2024).
6. Hall Warden, PARS Hostels, UAF (2020-2025).
7. Project Director:
 - English MicroAccess Program, Joint Venture of US Consulate & UAF (2020-2022).
 - English Works Program, Joint Venture of US Consulate & UAF (2023).
 - English MicroAccess Program, Joint Venture of US Consulate & UAF (2023-2025).
8. Project Director: Development of Biogas Technology and Organic Fertilizer (Pak Suzuki & UAF Joint Project).
9. Focal Person: CCTE Sino-Pak Joint Education Program:
 - Dual Diploma on Modern Agriculture Technology. Joint Venture of UAF & Bailie Vocational College, China (2020-2024).
 - Dual Diploma on Grain Storage and Transportation and Quality Safety Program. Joint Venture of UAF & Jiangxi Vocational Technical College of Industry and Trade, China (2023-2024).
 - Dual Diploma on Modern Horticulture Technology. Joint Venture of UAF & Yunnan Forestry Technological College, China (2022-2023).
 - Dual Degree BS, MPhil & PhD Plant Protection. Joint Venture of UAF & Guizhou University, China (2020-2022).
10. Approved Supervisor: Higher Education Commission.
11. Productive Scientist of Pakistan (PSP: by Pakistan Council of Science and Technology, Pakistan).
12. Member: Academic Council: University of Agriculture, Faisalabad (2013-Continued).
13. Member: Graduate Studies and Research Board: University of Agriculture, Faisalabad (2020-2024).
14. Member: Dean's Committee: University of Agriculture, Faisalabad (2020-2025).
15. Member: Students Affairs Committee: University of Agriculture, Faisalabad (2020-2025).
16. Member: Disciplinary Advisory Committee, University of Agriculture, Faisalabad. (2024-2025)
17. Member: Discipline Committee, University of Agriculture, Faisalabad. (2024-2025)
18. Secretary: Academic Staff Association, University of Agriculture, Faisalabad (2019-2021).
19. Member: Faculty Board, Faculty of Sciences, University of Agriculture, Faisalabad (2013-Continued).
20. Member: Faculty Board, Faculty of Social Sciences, University of Agriculture, Faisalabad (2024-Continued).
21. Member: Faculty Board, Faculty of Vet. Sciences, University of Agriculture, Faisalabad (2021-2024).
22. Member: Board of Studies, Department of Biochemistry, University of Agriculture, Faisalabad.
23. Member: Board of Studies, Nuclear Institute for Agriculture and Biology, Faisalabad (2020-Continued).
24. Reviewer of Research Grant: HEC, PSF, and Ministry of Health, Government of Pakistan.
25. Reviewer: 30+ International/National Journals.
26. Coordinator of Short Courses offered by Faculty of Sciences & Dept. of Continuing Education, UAF.
 - i. Clinical Biochemistry (3 months)
 - ii. Lab. Attendant (2 months)
 - iii. Lab. Assistant (2 months)
 - iv. Lab. Technician (2 months)
 - v. Lab. Supervisor (2 months)
27. Coordinator of Skill Oriented Certificate Courses offered by Dept. of Biochemistry, UAF.
 - i. Extraction of Enzymes from Plant Sources (1 week)
 - ii. Blood Sampling Techniques (1 week)
 - iii. Hyper-expression of Enzymes (4 weeks)
28. Tutor: Tutorial group Molana Hasrat Mohani-2 (2013-2021)
29. Convener/Member: Synopsis Scrutiny Committee (2013-2021).
30. Store Incharge; Incharge Evening Program (2016-2021).
31. Advisor: Biochemical Society, Department of Biochemistry, UAF (2017-todate).
32. Co-Advisor: Biochemical Society, Department of Biochemistry, UAF (2016-2017).
33. Students Advisor Dept. of Biochemistry Approved by Academic council/GSRB (2017-2021).
34. Member of various learned Societies.