








CURRICULUM VITAE







I: Personal Information

1. Name: Dr. Tariq Mukhtar
2. Father's Name: Mukhtar Ahmad
3. Designation: Professor
4. Date of Birth: 24.06.1966
5. Nationality: Pakistani
6. NIC No. 33102-1820003-7
7. Marital Status: Married
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Identifiers

	http://www.uaar.edu.pk/fcfs/faculty_details.php?dept_id=3&fac_id=106
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	https://www.mendeley.com/profiles/tariq-mukhtar/
	publons.com/a/1183214/
	https://www.researchgate.net/profile/Tariq_Mukhtar2
	https://www.linkedin.com/in/professor-dr-tariq-mukhtar-21a0b2116/
Web of Science Researcher ID	D-3201-2011

	https://scholar.google.com.pk/citations?user=Qc0YgxkAAAAJ&hl=en
	https://uiit.academia.edu/DrTariqMukhtar
	https://www.facebook.com/tariq.mukhtar.92
	https://twitter.com/drtmukhtar
	http://loop.frontiersin.org/people/449005/overview
	https://www.reviewercredits.com/user/tarimukh/

II. Educational Qualifications

(a) University Education

Sr. #	Institution Attended	Degree obtained	Major Subject	Year of Passing	Marks / CGPA	Div.
1	University of Reading, UK	Post Doc	Plant Pathology/ Plant Nematology	2010	-	-
2	University of Agriculture, Faisalabad.	Ph. D	Plant Pathology	2000	421/520	1 st
3	University of Agriculture, Faisalabad.	M.Sc.	Plant Pathology	1992	3.85/4.00 658/840	1 st
4	University of Agriculture, Faisalabad.	B.Sc.	Plant Pathology	1989	3.01/4.00 2581/3940	1 st

(b) Secondary School and Intermediate Examination

Sr. #	Institution Attended	Certificate obtained	Major Subject	Year of Passing	Marks	Div.
1	Government College, Faisalabad.	F. Sc.	Pre-Medical	1985	690/1100	1 st
2	Government New Model High School, G. M. Abad, Faisalabad.	Matriculation	Science	1982	660/850	1 st

(c) Academic Distinction

First position in M.Sc. (Hons) Plant Pathology in 1992.

(d) Diploma/Certificate

S. No.	Diploma/Certificate	Institution	Period/Year	Marks
1.	N.C.C	Govt. College, Faisalabad	Oct. 10 th to 29 Feb., 1984	-
2.	Diploma in Arabic	University of Agriculture, Faisalabad	1986	140/200

III-A. Professional Experience

Total experience: 28 years of research and teaching

Sr. #	Post held	Department / Institution	Period	
			From	To
1	Professor	University of Arid Agriculture, Rawalpindi	27-06-2014	To date
2	Associate Professor	University of Arid Agriculture, Rawalpindi	04-11-2006	26-06-2014
3	Assistant Professor	University of Arid Agriculture, Rawalpindi	06-10-2006	03-11-2006
4	Agricultural Officer	Agriculture, Pest Warning & Quality Control of Pesticides (Plant Protection)	30-05-1991	05-10-2006

III-B. Administrative Experience

Total experience: 28 years of research and teaching

Sr. #	Post held	Department / Institution	Period	
			From	To
1	Chairman	Department of Plant Pathology, PMAS Arid Agriculture University, Rawalpindi	18-08-2014	17-08-2017
			18-08-2020	19-05-2024
2	Dean	Faculty of Agriculture, PMAS Arid Agriculture University, Rawalpindi	04-05-2023	To Date
3	Principal Officer Student Affairs	PMAS Arid Agriculture University, Rawalpindi	06-10-2018	03-11-2020
4	Principal Officer, Estate Care	PMAS Arid Agriculture University, Rawalpindi	28-08-2023	05-10-2024

IV. Membership of Societies

Life member of the following societies

- a) Zoological Society of Pakistan (ZSP)
- b) Pakistan Society of Nematologists (PSN) (**President**)
- c) Pakistan Phytopathological Society (PPS) (**President**)
- d) Pakistan Botanical Society (PBS)
- e) Myco-Phytopathological Society of Pakistan (MYCOPS)
- f) Weed Science Society of Pakistan (WSSP)
- g) Pakistan Association for the Advancement of Science (PAAS)
- h) American Phytopathological Society (Member) (APS) Member ID: 233448
- i) International Society for Plant Pathology
- j) International Society for Development and Sustainability (ISDS)
- k) Pakistan Society for Microbiology
- l) Pakistan Society of Plant Protection (**President**)
- m) Asian Council of Science Editors (ACSE) (Member)
- n) Asian Phytopathological Society (Member)
- o) British Society for Antimicrobial Chemotherapy
- p) American Society for Microbiology

V. Awards

Research Productivity Award PMASUAAR **2025**

Research Productivity Award PMASUAAR **2023**

Best Reviewer of 2020 (**Reviewer Credits**)

Publons Peer Review Award (**Top Reviewers in Agricultural Sciences 2019**)

Publons Peer Review Award (**Top Reviewers for Agricultural and Biological Sciences 2017**)

Research Productivity Award **2015** by **Pakistan Council of Science and Technology**

Research Productivity Award **2014** by **Pakistan Council of Science and Technology**

Productive Scientist of Pakistan **2016** by **Pakistan Council of Science and Technology**

Productive Scientist of Pakistan **2013** by **Pakistan Council of Science and Technology**

VI. External Examiner

Evaluated theses of more than 100 M. Sc. and Ph.D. students of Department of Plant Pathology, University of Agriculture, Faisalabad, Institute of Agricultural Sciences, Punjab University, Lahore, Bahauddin Zakaria University, Multan, University of the Poonch, Rawalakot, Sargodha University, Sargodha, Quaid-i-Azam University, Islamabad, National University of Science and Technology, Islamabad, National Agricultural Research Centre, Islamabad and conducted their viva as external examiner.

VII: Research Projects (As Principal Investigator)

Sr #	Name of project	Funding Agency	Amount in Rs. M	Status
1	Spawn production, mushroom cultivation and developing mushroom based proteinaceous food as a value-added agriculture product	ORIC PMAS AAUR	0.8	In progress
2	Distribution and Management of Root-knot nematodes	Endowment Fund, UAF	2.222	Completed
3	Genetic diversity and phylotyping of <i>Ralstonia solanacearum</i> strains causing bacterial wilt of chilies in major chili growing areas of Pakistan	Higher Education Commission of Pakistan	5.347	Completed
4	Nematodes infecting temperate fruits in Pakistan and their management	Pakistan Science Foundation	5.246	Completed
5	Development of nematicidal formulation of novel bacterial strains against root knot nematodes	Pakistan Science Foundation	6.289	Under review

As Co-Principal Investigator

Sr #	Name of project	Funding Agency	Amount in Rs. M	Status
1	Nutritional quality assessment and comparison of commonly consumed rainfed arid cereal varieties of Pakistan for their effective marketing and commercialization	Higher Education Commission of Pakistan	5.55	In progress
2	Expression of pathogenesis related (PR) proteins to acquire systemic resistance against fungal pathogens (<i>Alternaria</i> and <i>Fusarium</i>) of sesame	Higher Education Commission of Pakistan	3.36	In progress
3	Bio-management of <i>Meloidogyne incognita</i>	Higher Education Commission of Pakistan	0.48	In progress
4	Incidence, detection and characterization of Badnavirus in Potohar region	Higher Education Commission of Pakistan	0.48	In progress

VIII: Supervision Experience

(1): As Supervisor

Sr. No.	Degree	No. of Students completed	No. of Students in progress
1	Ph.D.	10	6
2	M.Sc. Hons	65	5
3	B. Sc. Hons	130	3

(2): As Co-Supervisor

Sr.No.	Degree	No. of Students completed	No. of Students in progress
1	Ph.D.	30	8
2	M.Sc. Hons	50	15

IX: Editorships

1. **Editor-in-Chief** (Plant Protection)
2. **Editor-in-Chief** (Pakistan Journal of Phytopathology)
3. **Editor** (Archives of Phytopathology and Plant Protection)
4. **Editorial Board Member** (Physiological and Molecular Plant Pathology)
5. **Review Editor** (Frontiers in Plant Science: Plant Pathogen Interactions)
6. **Review Editor** (Frontiers in Microbiology: Microbe and Virus Interactions with Plants)
7. **Senior Editor** (Plant Bulletin)
8. **Editor** (International Journal of Phytopathology)
9. **Editor** (Mycopath)
10. **Section Editor** (Pakistan Journal of Agricultural Sciences) **till November, 2019**
11. **Member Editorial Board** (Pakistan Journal of Nematology)
12. **Member Editorial Board** (EC Bacteriology and Virology Research)
13. **Editor** (Agricultural Research & Technology)
14. **Member Advisory Board** (Journal of Rural Development and Agriculture)
15. **Member Editorial Board** (International Journal of Biology and Biotechnology)
16. **Member Reviewer Board** (Toxins)
17. **Member Editorial Advisory Board** (Jammu Kashmir Journal of Agriculture)
18. **Member, Advisory Board** (Indian Journal of Nematology)

X: Peer review activities

Conducted peer-review of many research papers of international and national journals.

For detail see Publons Review Record

XI. Research Interests

My interests are in applied and basic research in Plant Pathology. My basic research efforts are on the identification of plant pathogenic bacteria and nematodes by using conventional, biochemical and molecular approaches. Pathogens of interest include root-knot nematodes, citrus nematode, wheat seed gall nematode, *Ralstonia solanacearum*, *Macrophomina phaseolina*, *Ceratocystis* spp.

My applied interests have focused on managing diseases of various crops particularly vegetable crops using Integrated Management Practices. My efforts have focused on the numerous disease management practices including resistance, cultural practices, and chemical and non-chemical methods of disease control. Crops which I have had considerable experience with include numerous vegetables (particularly cucumber, tomato, okra, eggplant, potato, chili and cucurbits), fruit (apple, peach, mango, citrus, plum), and filed crops (wheat, cotton and rice).

XII. Other Duties

- Served as technical advisor (Plant Pathology) of selection boards of
 - Institute of Agricultural Sciences, Punjab University, Lahore
 - The Islamia University, Bahawalpur
 - Sargodha University, Sargodha
 - The University of Poonch, Rawalakot, AJK
 - Bahauddin Zakaria University, Multan
 - Punjab Public Service Commission
- Member Academic Council, Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi (PMAS-AAUR).
- Chairman, Department of Plant Pathology, PMAS-AAUR (18-08-2014 to 17-08-2017 and 18-08-2020 to date).
- Member Faculty Board, Faculty of Crop and Food Sciences, PMAS-AAUR.
- Member Board of Studies, Department of Plant Pathology, PMAS-AAUR.
- Member Self-Assessment Team, Department of Plant Pathology, PMAS-AAUR.
- Member Gown Committee, PMAS-AAUR.
- Member Computer Management System (CMS), Department of Plant Pathology, PMAS-AAUR.

- Member Management Team, Hydroponic System, PMAS-AAUR.
- Member Academic Council, Bahauddin University, Multan.
- Member Board of Studies, Department of Plant Pathology, Bahauddin University, Multan (05-11-2015 to date).
- Member Board of Studies, Department of Plant Pathology, The University of Poonch, Rawalakot.
- Member Board of Studies, National Agriculture Research Council, Islamabad.
- Member DTRC, Kohat University of Science and Technology, Kohat
- Member DTRC, University of Haripur, Haripur
- Member DTRC, Bahauddin Zakaria University, Multan
- Member DTRC, Ghazi University, Dera Ghazi Khan
- Member DTRC, Department of Plant Pathology, The University of Poonch, Rawalakot
- Principal Officer (Student Affairs) PMAS-AAUR (11-02-2019 to 23-09-2021).
- Member Disciplinary Committee, PMAS-AAUR (11-02-2019 to date).
- Member Campus Committee, PMAS-AAUR (11-02-2019 to date).
- Member BF management committee
- Member Students Fund Utilization Committee
- Research Coordinator (Plant Pathology, PMAS AAUR)
- Chief Administrator of Advisory Board of Naveed-e-Baraan
- Member Programs Management Committee for the celebration of Silver Jubilee 2019
- Convener, Programs Coordination Committee for the celebration of Silver Jubilee 2019
- Member, Board of Studies, Department of Agricultural Extension, PMAS AAUR.
- Member Faculty Board, Institute of Biochemistry and Biotechnology, PMAS AAUR

XIII. Trainings received/workshops

S. No	Name of course/ workshop attended	Period	Institution
1.	5 th International Workshop for Capacity Building in Nematology	February 12-22, 2018	National Nematological Research Centre, University of Karachi, Karachi.
2	One day farmers workshop biological management of root knot nematodes on vegetables	October 10, 2012	Punjab Agricultural Research Board and Department of Plant Pathology, University of Agriculture, Faisalabad
3	1 st National Workshop on "Cutting-edge issues and quality concerns in the emerging agricultural scenario".	03-03-2008 to 04-03-2008	University College of Agriculture, University of Sargodha, Sargodha.
4	International Training workshop on Nematode	22-10-2007 to 03-11-2007	National Nematological Research Centre, University of Karachi,

	Identification		Karachi.
5	Controlled and modified atmospheres to preserve post-harvest quality of stored grains.	30-07-2007 to 31-07-2007	Department of Entomology, University of Arid Agriculture, Rawalpindi.
6	Basic tools for isolation and identification of micro-organisms.	27-12-2006 to 30-12-2006	Department of Plant Pathology, University of Arid Agriculture, Rawalpindi.
7	Biological Control of Plant Parasitic Nematodes	18-08-1997 to 31-08-1997	National Nematological Research Centre, University of Karachi, Karachi

XIV. Conferences/Symposia

S. No.	Conferences/ Symposia	Dates	Organizer/Venue
1	9th International Conference of the Pakistan Phytopathological Society, 2025	16-18 November, 2025	Department of Plant Pathology, PMAS AAUR and Pakistan Phytopathological Society
2	9 th International Horticulture Conference and Expo-2025	15-17 April, 2025	Pakistan Society of Horticultural Sciences and Department of Horticulture, PMAS-AAUR
3	2 nd International Conference & Expo of Plant Sciences Plant Biodiversity and Food Security in the Wake of Climate Change	19-21 November, 2024	Faculty of Sciences, PMAS-AAUR and Himalayan Hemp & Herbal Products (Pvt) Ltd.
4	Hyperspectral Imaging for the Detection of Plant Pathogens from Seeds	02-03 October, 2024	Department of Plant Pathology, PMAS-AAUR, CETEWA and ORIC PMAS-AAUR
5	The Development of IPM Packages Compatible with <i>Trichogramma</i> for Tomatoes	August 29-30, 2024	CABI, Plantwise Program
6	Validation Workshop for the MRL Study on Tomato	July 05, 2024	CABI, Plantwise Program
7	8 th International Conference on Sustainable Livelihoods: Climate-Smart Agriculture for Food Security	July 03-04, 2024	Faculty of Agriculture, University of Poonch Rawalakot, Azad Jammu and Kashmir
8	2 nd Vice Chancellors' Conference on Civic Studies	May 21-22, 2024	PHEC Lahore
9	National Consultation Workshop on Introducing New Courses on Food System	April 17-18, 2024	NAEAC and GAIN

	Transformation in Pakistan		
10	1 st National Citrus Conference on Challenges in Citrus Production	March 5, 2024	University of Sargodha, Sargodha
11	9 th International and 18 th National Conference on “Biodiversity and Medicinal Plants: A Way Forward to Sustainable Development (BMP-SD 2023)	December 14-16, 2023	PMAS-Arid Agriculture University Rawalpindi and Weed Science Society of Pakistan
12	Brainstorming Session on Pest Surveillance in Pakistan	December 12, 2023	CABI, Plantwise Program
13	8th ICPPS on Sustainable Agriculture & Food Security “A Nexus of Plant Pathogens, Climate Change and Water Challenges”	November 26-28, 2023.	Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahawalpur and Pakistan Phytopathological Society
14	2nd International Conference of Sciences on “Revamped Scientific Outlook of 21 st Century, 2023	November 15, 2023	Rawalpindi Women University, 6 th Road, Rawalpindi
15	Two Days Workshop on Development of Strategy for Social & Behaviour Change Campaign on Safer Use of Pesticides & Validation on the Contents on Responsible Use of Pesticides in Pakistan Manual	September 14-15, 2023	CABI, Plantwise Program
16	41st Pakistan Congress of Zoology (International)	March 16-18, 2023	Institute of Zoology, University of the Punjab, Lahore
17	7 th Edition of Global Congress on Plant Biology and Biotechnology (Virtual Event).	March 16-18, 2023	
18	NUST Conference on Agricultural Sciences and Technology (NCAST-23).	14-16 March, 2023	Atta-ur-Rahman School of Applied Biosciences (ASAB), National University of Science and Technology (NUST), Islamabad.
19	International Conference on Food Security through Sustainable Agriculture Strategies in the Current Climate Change Scenario	March 8-10, 2023	Department of Plant Protection, The University of Agriculture, Peshawar.

20	First International Conference on Biodiversity of Arid Zone (ICBAZ-2023)	March 7-8, 2023	Sindh Agriculture University, Sub-Campus, Umerkot, Sindh.
21	Stakeholders' Engagement Workshop on Regulatory Harmonization in Pakistan for MRLs and Biopesticides	February 14, 2023	National Agricultural Research Centre, Islamabad organized by CABI, Plantwise Program
22	3 rd International Conference on Smart Plant Protection	January 03-04, 2023	Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan
23	Parthenium Workshop	November 17-18, 2022	CABI, Plantwise Program
24	10 th International Conference on Biological and Computational Sciences (C-BICS 2022)	November 12, 2022	Department of Bioinformatics and Biosciences, Capital University of Science & Technology, Islamabad, Pakistan
25	1 st International Conference on Revamped Scientific Outlook of 21 Century	October 12, 2022	Rawalpindi Women University, Rawalpindi
26	Agriculture Stakeholders Conference	September 13, 2022	Faculty of Crops and Food Sciences, Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi
27	1 st International Conference on Climate Resilient Agriculture for Sustainable Development & Food Security (ICCRA-SD & FS-2022)	September 5-7, 2022	Department of Agriculture, Allama Iqbal Open University, Islamabad
28	7 th International Conference On Climate Smart Agriculture: Innovations and Adaptations	June 15-17, 2022	University of Poonch, Rawalakot, AJK, as invited speaker.
29	International Conference on Plant Science and Management of Dry lands for Agriculture and Biodiversity – Step towards Sustainable Development	June 1-2, 2022	Department of Botany, University of Baluchistan, Quetta as invited speaker on zoom
30	National Symposium on Chili Diseases	May 30, 2022	Sindh Agriculture University, Tandojam, Pakistan Society of Nematologists and Pakistan Phytopathological Society Agriculture Research Sindh
31	1 st International Conference on Plant Protection Sciences	March 29-30, 2022	Sindh Agriculture University, Tandojam, Pakistan

	(ICPPS-2022)		
32	4 th Online International Conference on Environmental Sustainability and Climate Change	March 28-29, 2022	Coalesce Research Group LLC
33	6 th Edition of Global Congress on Plant Biology and Biotechnology Online Event	March 24-26, 2022	Organizer: Magnus Group 150 South Wacker Drive #2400, Chicago, IL 60606, USA Website: https://www.magnusgroup.org/
34	International conference on “New Trends in Biological Sciences”	March 21-22, 2022	Organized by Institute of Pure and Applied Zoology (IPAZ), School of Applied Biology (SAB), Faculty of Life Sciences, University of Okara, 2-km Multan Road Renala Khurd Campus, Punjab, Pakistan
35	2 nd International Conference on Smart Plant Protection	March 9-10, 2022	Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan
36	31 st all Pakistan Food Science Conference 2022 “Transformation of the food system on a sustainable food future”	February 21-22, 2022	Pakistan Society of Food Scientists and Technologists at the Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University Rawalpindi-Pakistan
37	International Conference on Food Security through Sustainable Plant Protection Strategies	January 16-20, 2022	Organized by Department of Plant Protection, The University of Agriculture, Peshawar
38	The First Virtual Congress of Zoology (40 th Pakistan Congress of Zoology-International)	December 14, 17-19, 2021	Department of Parasitology, Sindh Agriculture University, Tandojam
39	7 th International Conference of Pakistan Phytopathological Society "Phytopathology: Current Scenario and Future Prospects"	November 21-23, 2021	Department of Plant Pathology, University of Agriculture Faisalabad and Ayub Agricultural Research Institute, Faisalabad
40	Training Workshop on “How to Become a Plant Doctor”	November 18-19, 2021	Department of Plant Pathology, Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi and CABI, Plantwise Program
41	16 th National Weed Science	July 08-10, 2021	Department of Weed Science

	Congress of Weed Science Society of Pakistan		and Botany, The University of Agriculture Peshawar, Pakistan
42	16 th Nematological Event: Present Era of Ecofriendly Nematode Management Strategies	June 17-18, 2021	Pakistan Society of Nematologists and National Nematological Research Centre (NNRC), University of Karachi
43	Training Workshop on “Integrated Disease Management”	June 07-09, 2021	Department of Plant Pathology, Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi, PPS and PSN
44	Seminar on “Integrated Prevention and Control of Locust and other Plant Diseases and Pests for Pakistan”	March 13-27, 2021	National Agricultural Technology Extension and Service Center, Beijing, People’s Republic of China
45	Scientific conference for the renaissance of Palestine	January 28, 2021	Palestine’s liberation Organization, State of Palestine
46	Critical Issues in the Youth Researchers Development	January 22, 2021	Palestine’s liberation Organization, State of Palestine
47	Improvement of Research Skills of Students and Youth Researchers During The Pandemic	October 9-10, 2020	Organized by Biosciences Research Support Foundation (BRSF), Egypt
48	1 st International Online Conference Entitled: (Maintenance of a Safe Life during the Pandemic)	September 24-27, 2020	Organized by Biosciences Research Support Foundation (BRSF) in collaboration with Diabetic Youth Care Association (DYCA) and Eastern Mediterranean NCD Alliance at Cairo, Egypt
49	40 th Pakistan Congress of Zoology (International)	March 10-12, 2020	Department of Zoology, Sindh Agriculture University, Tandojam and Zoological Society of Pakistan
50	International Horticulture Conference 2020	February 26-28, 2020	Pakistan society for Horticultural Sciences and Institute of Agricultural Sciences, University of the Punjab Lahore
51	15 th Nematological event and annual meeting of the General Body of Pakistan Society of Nematologists	December 30-31, 2019	Pakistan Society of Nematologists and National Nematological Research Center, University of Karachi, Karachi

52	6 th International Conference on “Sustainable Agriculture in Changing Climate: Strategies and Management”	June 19-21, 2019	Faculty of Agriculture, University of the Poonch Rawalakot, Azad Jammu and Kashmir
53	1 st International Conference on Sustainable Agriculture: Food Security under Changing Climate Scenarios	April 3-5, 2019	Faculty of Agricultural Sciences, Ghazi University, Dera Ghazi Khan
54	1 st International Conference on “Agricultural and Biological Sciences” Focusing Food Security and Climate Change	March 27-30, 2019	Faculty of Basic & Applied Sciences, the University of Haripur, Pakistan
55	1 st Aus-Pak International Conference on Pulses for Food Security	March 27, 2019	MNS University of Agriculture, Multan, Pakistan
56	1 st Aus-Pak International Conference on Wheat for Food Security	March 25, 2019	Institute of Plant Breeding and Biotechnology, MNS University of Agriculture, Multan
57	International Horticulture Conference Pakistan	February 26-28, 2019	Department of Horticulture, Bahauddin Zakaria University, Multan
58	Conference on Innovations in Agriculture: Nourishing Pakistan in Changing Climate	February 13-15, 2019	Institute of Soil & Environmental Sciences University of Agriculture Faisalabad, Pakistan & Pakistan Agricultural Scientists Forum (PAS)
59	6 th International Conference on Biological and Computational Sciences (C-BICS 2018)	December 13, 2018	Department of Bioinformatics & Biosciences, Capital University of Science and Technology, Islamabad
60	2 nd International Conference of Plant Sciences	December 5-7, 2018	Department of Botany, GC University Lahore
61	National conference on Agricultural Problems and Food Security in the Changing Climate	November 14-17, 2018	University of Agriculture, Peshawar
62	International Conference on Biological Control of Pests & Diseases: Progress & Prospects”	July 09-11, 2018	Department of Agriculture & Agribusiness Management, University of Karachi, Karachi
63	International Horticulture Conference	April 25-27, 2018	Department of Horticulture, University of Arid Agriculture, Rawalpindi.
64	1 st International and 2 nd	March 26-28,	College of Agriculture, BZU,

	National Conference on “Challenges and Opportunities to Boost Agriculture in Changing Climate”	2018	Bahadur Sub Campus, Layyah
65	14 th National Weed Science Congress of Weed Science Society of Pakistan	March 24-25, 2018	Islamia College Peshawar,
66	7 th International and 16 th National Conference on “Plant Resources: Current Trends, Challenges and Solutions”	March 23-26, 2018	Islamia College Peshawar University of Peshawar, Pakistan Botanical Society
67	38 th Pakistan Congress of Zoology (International)	February 27 – March 1, 2018	University of the Punjab, Lahore
68	11 th International Biennial Conference of Pakistan Society for Microbiology “Applied Microbial Genomics in Public Health, Food, Pharma and Agriculture”	18-20 December, 2017	Institute of Food Science and Nutrition, Bahauddin Zakaria University, Multan, Pakistan
69	1 st International Conference on “Conventional and modern approaches in plant sciences” (CMAPS-2017)	November 27-29, 2017	Department of Botany, University of the Punjab, Lahore, Pakistan
70	6 th International Conference of Pakistan Phytopathological Society on “Plant Health for Sustainable Agriculture”	November 20-22, 2017	Department of Plant Pathology, Bahauddin Zakaria University, Multan & Central Cotton Research Institute, Multan
71	6 th International and 15 th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security”	May 9-11, 2017	Sardar Bahadur Khan Women’s University in collaboration with Pakistan Botanical Society
72	37 th Congress of Zoology (International)	February 28 to March 2, 2017	GC University, Faisalabad
73	Conference on “sustainable crop and animal production systems”	December 8-10 2016	University of Haripur, KPK, Pakistan
74	International Conference Asia-Pacific Policy Dialogue on Water, Energy and Food Security for Poverty Alleviation in Dryland Regions	November 23 - 25, 2016	UNESCO & PMAS Arid Agriculture University Rawalpindi-Pakistan
75	International conference on	March 28-30,	Department of Botany,

	major environmental constraints to plants: Assessment & reclamations MECP-2016	2016	Government College University Faisalabad, Pakistan
76	2 nd international conference on Horticultural Sciences: Production challenges and food security	February 18-20, 2016	Institute of Horticultural Sciences, University of Agriculture, Faisalabad
77	14 th national and 5 th international conference of Botany: Climate change and phytodiversity: challenges and opportunities	January 15-18, 2016	Department of Botany, University of Karachi, Karachi.
78	5 th international and 10 th national conference of Pakistan Phytopathological Society: Crop Protection for Sustainable Agriculture	November 23-25, 2015	Institute of Agricultural Sciences, University of the Punjab, Lahore.
79	International Conference on Citriculture: Challenges and Management	February 11-13, 2015	Department of Horticulture, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan, Pakistan.
80	International Conference on Plant Sciences	September 22-24, 2014	Botany Department, GC University, Lahore, Pakistan.
81	5 th International Conference on Agriculture, Food Security and Climate Change	September 9-11, 2014	Faculty of Agriculture, The University of Poonch Rawalakot, Azad Jammu and Kashmir-Pakistan, PAS Forum and HEC.
82	World Mango Conference	June 24-25, 2014	University College of Agriculture & Environmental Sciences The Islamia University, Bahawalpur.
83	International Conference on Stress Biology and Biotechnology Challenges & Management	May 21-23, 2014	Institute of Agricultural Sciences, University of the Punjab, Lahore
84	34 th Pakistan Congress of Zoology (International)	February 25-27, 2014	Bahauddin Zakariya University, Multan, Pakistan
85	3 rd International Conference of Pakistan Phytopathological Society, Climate Change and Plant Diseases: Challenges and Opportunities	January 23-25, 2014	University of Karachi, Karachi, Pakistan

86	Annual Convention of Canadian Hemp Trade Alliance	November 24-27, 2013	Canadian Hemp Trade Alliance, Saskatoon, Saskatchewan, Canada
87	33 rd Pakistan Congress of Zoology (International)	April 2-4, 2013	Pakistan Museum of Natural History (PSF), PMAS Arid Agricultural University, Rawalpindi
88	12 th National and 3 rd International Conference of Botany	September 1-3, 2012	Quaid-i-Azam University, Islamabad organized by Pakistan Botanical Society and Quaid-i-Azam University.
89	32 nd Pakistan Congress of Zoology (International)	March 6-8, 2012	Zoological Society of Pakistan. Government College University, Lahore.
90	National Science Conference Roadmap of Cutting Edge Technologies	January 10-12, 2012	Organized by Pakistan Academy of Sciences, Islamabad and Hosted by Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi.
91	International Workshop on Medicinal Plants: Conservation and Sustainable Use	December 8-10 th , 2011	Department of Biotechnology, Quaid-i-Azam University, Islamabad.
92	8 th National Conference of Pakistan Phytopathological Society (Challenges and Options for Plant Health Management)	November, 28-29, 2011	Department of Plant Pathology, University of Agriculture, Faisalabad
93	31 st Pakistan Congress of Zoology (International)	April 19-21, 2011	Zoological Society of Pakistan. University of Azad Jammu and Kashmir, Muzaffarabad.
94	Meeting of the Post Graduate Forum	February 3-4, 2010	Royal Entomological Society, Endcliffe Village, University of Sheffield, Sheffield, UK.
95	Advances in Nematology	December 15, 2009	Association of Applied Biologists, Linnean Society of London, UK
96	National Conference on "Recent Advances in Agricultural Biotechnology"	18-19 March, 2008	National Commission on Biotechnology, Islamabad.
97	International Conference on Biological Resources of Pakistan: Problems, Success and Future Perspectives.	25-27 April, 2007	Department of Botany, University of Arid Agriculture, Rawalpindi.
98	International conference on	29-31 March,	Department of Economics,

	“Trade Liberalization & SAFTA: Opportunities, Concerns and Challenges”.	2007	University of Arid Agriculture, Rawalpindi.
99	International Symposium on prospects of Horticultural industry in Pakistan	28-30 March, 2007	Institute of Horticultural Sciences, University of Agriculture, Faisalabad
100	International Conference on Role of allelopathy in sustainable agriculture	22-24 March, 2007	Department Agronomy, University of Arid Agriculture, Rawalpindi
101	International Symposium on Sustainable Crop improvement and integrated management	14-16 September, 2006	Faculty of Agriculture, University of Agriculture, Faisalabad
102	6 th National Nematological Conference in Pakistan & Workshop in some Cereals, Fruits and Vegetables in Pakistan	April, 25-27, 2006	NNRC University of Karachi, Karachi
103	National Symposium on Recent Trends in Plant Disease Management	December 20-22, 2005	University of Karachi, Karachi
104	International Symposium on Biodiversity of Nematodes in Pakistan	17-19 May, 2004	National Nematological Research Centre, University of Karachi, Karachi
105	Fourth International Symposium of Plant Pathology	14-16 October, 2003	University of Arid Agriculture, Rawalpindi
106	National Symposium on Nematology	7-9 January, 2002	National Nematological Research Centre, University of Karachi, Karachi
107	Third National Conference of Plant Pathology	1-3 October, 2002	National Agriculture Research Centre, Islamabad
108	Second International Symposium of Plant Pathology	27-29 March, 1999	University of Agriculture, Faisalabad
109	First International Symposium of Plant Pathology	6-7 March, 1996	University of Agriculture, Faisalabad

XV: Organization of Webinars

Sr. No.	Title of Webinar	Date	Guest Speaker	Organized by	Role
1	The Bacterial Wilt of Cucurbits: Ecology, Genetics, and Management	June 07, 2022	Prof. Dr. Mark L. Gleason IOWA state University of Science and Technology (ISU)	Department of Plant Pathology, PMAS, Arid Agriculture University, Rawalpindi and Pakistan	Coordinator

			Ames, IOWA, USA	Phytopathological Society	
2	The occurrence and rhizosphere microbial regulation of soybean root rot by maize-soybean relay strip intercropping	May 27, 2022	Dr. Xiaoli Chang Associate Professor, Department of Plant Protection, Sichuan Agriculture University, China	Department of Plant Pathology, PMAS, Arid Agriculture University, Rawalpindi	Coordinator
3	The valuable expertise of world's renowned plant bacteriologist	October 05, 2021	Prof. Dr. Jeffrey B. Jones Department of Plant Pathology University of Florida, USA	Department of Plant Pathology Faculty of Agriculture & Environment, IUB and Pakistan Phytopathological Society	Guest of Honor
4	One Health approaches to managing crop diseases in rural villages	September 16, 2021	Prof. David Guest AM School of life & Environmental Sciences, Sydney Institute of Agriculture, Sydney, Australia	Department of Plant Pathology, Bahauddin Zakariya University Multan, and Pakistan Phytopathological Society	Guest of Honor
5	Preparing a Successful Manuscript for Submission to a Refereed Journal	September 08, 2021	Dr. Stephen Wegulo Chair Editor, Crop Protection, Department of Plant Pathology, University of Nebraska-Lincoln, USA	Department of Plant Pathology, Bahauddin Zakariya University, Multan and Pakistan Phytopathological Society	Guest of Honor
6	Development of Biopesticide Technology & Future Crop Protection	August 27, 2021	Dr. Minshad A. Ansari Founder & CEO @ Bionema Limited Swansea, Wales, Uk Dr. Mudassir	Department of Plant Pathology, Bahauddin Zakariya University, Multan and Pakistan Phytopathological	Guest of Honor

			Iqbal Department of Plant Protection Biology, Swedish University of Agricultural Sciences, Sweden	Society	
7	Biological Control of Plant Pathogens: A Way Forward to Sustainable Agriculture	July 30, 2021	Matthew Gates Expert & Agriculture Consultant, Zenthanol Consulting, San Diego, California, USA	Department of Plant Pathology, Bahauddin Zakariya University, Multan and Pakistan Phytopathological Society	Guest of Honor
8	Identifying Arthropods in Cultivation: Pest, Biocontrol, and Other Natural Forces	June 30, 2021	Matthew Gates Expert & Agriculture Consultant Zenthanol Consulting San diego, California, USA	Department of Plant Pathology, Bahauddin Zakariya University, Multan and Pakistan Phytopathological Society	Guest of Honor
9	Host Pathogen Interactions	June 08, 2021	Prof. Dr. Gitta Coaker University of California Davis, USA	Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahwalpur and Pakistan Phytopathological Society	Guest of Honor
10	The Nature of a Cyst Nematode Population Suppression	May 25, 2021	Prof. Dr. Ole Becker Department of Nematology, University of California Riverside, USA	Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahwalpur Pakistan Phytopathological Society	Guest of Honor

XVI. Publications:

More than 205 in approved Journals, Proceedings of Conferences mentioned above etc.

XVII. List of Publications

205. Mehak, A., Akram, A., Ali, A., Raja, N.I., **Mukhtar, T.**, Seelan, J.S.S., Shahbaz, M., **2026.** Nano-TiO₂ as a sustainable strategy to control root-knot nematodes (RKNs) in tomato (*Solanum lycopersicum* L.). **Physiological and Molecular Plant Pathology, Article No. 103122.** <https://doi.org/10.1016/j.pmpp.2026.103122>
204. Batool, M., Raja, M.U., **Mukhtar, T.**, Hassan, M.U., Ahsan, R., Ullah, S., Zakria, M., **2026.** Phenotypic and molecular assessment of bacterial blight resistance genes in elite rice germplasm of Pakistan. **Archives of Phytopathology and Plant Protection. 1-13.** <https://doi.org/10.1080/03235408.2026.2627616>
203. Saeed, M., **Mukhtar, T.**, Ahmed, R., Mehmood, U., Iqbal, M.A., **2026.** Synergistic efficacy of *Azadirachta indica* and biocontrol agents in mitigating *Meloidogyne javanica* infection in peach. **Australasian Plant Pathology 55, 14.** <https://doi.org/10.1007/s13313-026-01104-2>
202. Eraf, T., **Mukhtar, T.**, Irshad, G., Asad, J., Raja, M.U., Ali, S.Z., Mehmood, A., Haider, K.Z., **2025.** Utilization of biochar and biocontrol agents for the effective management of seed-borne pathogens in mung bean. **Pakistan Journal of Phytopathology, 37(02), 147-154.**
201. Jamil, Z., **Mukhtar, T.**, Raja, M.U., Shahbaz, M., Seelan, J.S.S., Tatar, M., Ali, A., Fatima, N., Bejaoui, R., Usanmaz Bozhüyük, A., **2025.** Utilization of phyto-genic silver nanoparticles and bacterial agents for the management of citrus canker disease. **Turkish Journal of Agriculture and Forestry 49, 998-1008.**
200. Khan, M.T.A., **Mukhtar, T.**, Irshad, G., Asad, M.J. **2025.** Assessment of root-knot nematodes (*Meloidogyne* spp.) associated with grapevines in the Pothohar Region of Punjab, Pakistan. **International Journal of Phytopathology, 14(02), 91-103.** DOI: 10.33687/phytopath.014.02.5810.
199. Arshad, Z., Irshad, G., Kousar, S., **Mukhtar, T.**, Nisa, S.U., Mehmood, A., Ali, S.Z., Haider, K.Z., Din, R.U., **2025.** Convolutional neural network approach for early detection of green mold disease in button mushroom (*Agaricus bisporus*). **Planta Animalia, 4(4), 313-323.**
198. Khan, M.T.A., Desaegeer, J., **Mukhtar, T.**, **2025.** Evaluation of drench application of NMG-787, 450SC for root-knot nematode control in Celosia flower in greenhouse. **Journal of Veterinary, Food and Agricultural Insights, 2(1), 29-35.**
197. **Mukhtar, T.**, **2025.** Plant immunity and resistance mechanisms: an editorial. **Physiological and Molecular Plant Pathology 140 (2025) 102903.** <https://doi.org/10.1016/j.pmpp.2025.102903>
196. Khaliq, S., **Mukhtar, T.**, Irshad, G., Tariq, M., Ali, S.Z., Mehmood, A., Kachu Z. Haider, Rahim U. Din, Md Arshad Ali, Khim P. Chong. **2025.** Standardization of spawn and substrate formulations for *Morchella* mushroom cultivation. **Pakistan Journal of Phytopathology, 37(1), 81-87.**
195. Hussain, T., Bibi, A., Ali, Q., Aslam, A., **Mukhtar, T.**, Akhtar, M.F., bin Iqbal, M.B., Malik, M.K., **2025.** Assessment of aphid infestation and parasitoid populations in response to two wheat cultivars in Rawalpindi, Pakistan. **Journal of Agricultural Research (JAR) 63(1), 59-65.** DOI: <https://doi.org/10.58475/2025.63.1.239>

194. Azeem, W., Mukhtar, T., Haq, M.I., Khan, M.A., Ibrahim, M.S., Hassan, A., Regmi, H., Duncan, L.W., 2025. The nematicidal potential of *Moringa oleifera* extracts and rhizobacteria against *Meloidogyne incognita* in tomato. **Frontiers in Plant Science** 16, 1562074. <https://doi.org/10.3389/fpls.2025.1562074>
193. Tariq-Khan, M., Rehman, T.U., Mukhtar, T., Mahmood, M., Rahman, A.U., Ahmed, R., 2025. Population dynamics and virulence patterns of root-knot nematodes (*Meloidogyne* spp.) on tomato in Poonch Highlands, Azad Jammu and Kashmir, Pakistan. **Journal of Phytopathology** 173, e70060. <https://doi.org/10.1111/jph.70060>
192. Aslam, M.N., Khaliq, H., Zhao, H., Moosa, A., Maqsood, A., Farooqi, M.A., Bilal, M.S., Mahmood, T., Mukhtar, T. 2025. Thymol as a novel plant-derived antibacterial agent for suppressing *Xanthomonas citri* pv. malvacearum in cotton. **Current Microbiology**, Article No: 4077, <https://doi.org/10.1007/s00284-025-04077-5>
191. Yaseen, I., Mukhtar, T., Mubarik, A., Arshad, B., Sahu, N., Somaddar, U., 2025. Management of *Ralstonia solanacearum*-*Meloidogyne incognita* complex with *Trichoderma harzianum* in tomato. **Bragantia**, 84, e20240060. <https://doi.org/10.1590/1678-4499.20240060>
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187. Yaseen, I., Choi, S., Mukhtar, T., Jong-In Park, J., Hoy-Taek Kim, H.T., 2024. Quantification of growth and physiological characteristics in tolerant and sensitive watermelon lines under cold treatment. **Horticulture, Environment, and Biotechnology**. <https://doi.org/10.1007/s13580-024-00663-x>
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180. Aslam, M.N. and Mukhtar T. 2024. Evaluation of virulence among Pakistani isolates of *Ralstonia solanacearum* inducing bacterial wilt in chilies across different agro-ecological zones. **Bragantia**, 83, e20230181. <https://doi.org/10.1590/1678-4499.20230181>.
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173. Mehak, A., Ajmal, M., Shahbaz, M., Nayyar, B.G., Seerat, W., Fatima, N., Akram, A., Mukhtar, T., 2023. Antifungal and antibacterial activity of oilseed cakes against soil-borne phytopathogens. **Pure and Applied Biology**. 12 (2): 1084-1092. <http://dx.doi.org/10.19045/bspab.2023.120111>
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163. Muhammad, W., Ammar, M., Mukhtar, T., Hamza, A.M. 2022. Comparative efficacy of some new chemistry foliar insecticides against cotton whitefly, *Bemisia tabaci* (Hemiptera: Aleyrodidae). *Asian Journal of Agriculture and Biology*, DOI: [10.35495/ajab.2021.02.075](https://doi.org/10.35495/ajab.2021.02.075)
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158. Shehzad, M., M. Tariq, Q. Ali, A. Aslam, **T. Mukhtar**, M.F. Akhtar, A. Gulzar and M. Faisal. **2022**. Evaluation of insecticidal activity of *Beauveria bassiana* against different instar larvae of *Plutella xylostella* by using two different methods of application. **International Journal of Tropical Insect Science**, **42**:1471–1476 <https://doi.org/10.1007/s42690-021-00665-7> (IF = 0.774).
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