

DR. TANVEER-UL-HAQ

PhD (Soil Science) Post-Doc. (Australia); Impact factor >90.0



Accomplished Professor of Soil Science with over 20 years of experience in academia and research. Specializing in sustainable crop production and advanced molecular tools, driving successful management of various agricultural research projects. Achievements also include extensive supervision of MSc and PhD research with a focus on salt tolerance and biotechnological advancements. Eager to leverage expertise in soil science to enhance research capabilities and support innovative solutions in challenging environmental conditions.

PROFESSIONAL EXPERIENCE

09/12/2025 To date | Professor of Soil Science / Director, Academics

12/02/2021 To 08/12/2025 | Professor of Soil Science / Chairperson

MNS University of Agriculture, Multan - Pakistan

Department of Soil & Environmental Sciences

www.mnsuam.com.pk

07/12/2015 To 11/02/2021 | Associate Professor of Soil Science / Chairperson

MNS University of Agriculture, Multan - Pakistan

Department of Soil & Environmental Sciences

www.mnsuam.com.pk

10/07/2016 To 01/2017 | Adjunct Researcher

University of Tasmania, Sandy Bay TAS 7001, Australia

School of Land and Food, Tasmanian Institute of Agriculture

www.utas.edu.au

11/06/2014 To 06/12/2015 | Assistant Professor of Soil Science / HOD

Ghazi University, Dera Ghazi Khan - Pakistan

Department of Soil & Environmental Sciences

www.gu.com.pk

18/06/2012 To 11/06/2013 | Visiting Scientist

University of Western Australia, Australia

School of Plant Biology, UWA

www.uwa.edu.au

10/12/2007 To 10/06/2014 | Assistant Professor of Soil Science

University of Agriculture, Faisalabad - Pakistan

College of Agriculture, Dera Ghazi Khan - Pakistan (Sub-Campus UAF)

www.uaf.edu.pk

► Regular BPS-19, Major Responsibilities:

- Teaching courses to under and postgraduate classes.
- Supervise/ co-supervise MSc and PhD students' research.
- Active member of different management committees of the university
- Managing ongoing research projects.
- Phenotyping and genotyping of mapping populations
- Planning and designing of new research experiments.
- Projects hunting for the University and dealing with the research staff.
- Sustainable crop production from marginal lands and brackish waters
- Expert in conventional selection and screening techniques against abiotic stresses

- Experienced in using new modern molecular tools to augment plant selections.
- Running the administrative matters of the department

26/05/2003 To 09/12/2007 | Lecturer of Soil Science

University of Agriculture, Faisalabad - Pakistan

College of Agriculture, D. G. Khan - Pakistan (Sub-Campus UAF)

www.uaf.edu.pk

► Regular BPS-18/19, Major Responsibilities:

- Teaching and research

University of Agriculture, Faisalabad - Pakistan

Saline Agriculture Research Centre (SARC)

www.sarc.uaf.pk

26/06/2001 To 31/12/2002 | Research Officer

University of Agriculture, Faisalabad - Pakistan

www.uaf.edu.pk

► Contract BPS-17, Major Responsibilities:

- Conducting of solution culture, pots, and field experiments for assessment of plant salt tolerance
- Execution of research experiments according to the layout plans
- Collection and analysis of soil, water, and plant samples
- Preparing research reports on projects
- Present research at conferences, seminars, and other events.
- Preparing manuscripts for publication
- Test plant responses to abiotic stresses in the control environment growth facilities
- Supervision and training of project staff.
- Screening of salt-tolerant crop genotypes
- Single selection under field conditions
- Soil and water analysis
- Collection and analysis of site data on plants
- Management of greenhouse experiments

15/10/1999 To 25/06/2001 | Research Fellow

National Institute for Biotechnology & Genetic Engineering [NIBGE].

P O Box 557, Jhang Road, Faisalabad - Pakistan

<http://www.nibge.org>

► Contract BPS-17, Major Responsibilities:

- Cotton improvement through biotechnology.
- Management of plant growth test in the greenhouse
- DNA extractions from plants and setting up PCRs
- Plant tissue culture for the production of virus-free seed of potato and sugarcane.
- Production of transgenics for resistance against cotton leaf curl virus (CLCuV)
- Electrophoresis for fragmental analysis
- Conduction of infectivity test by exposing transformed cotton plants to whiteflies

ACADEMICS

Post-Doctorate Endeavour Australia Research Fellowship University of Tasmania, TAS-7001 - Australia www.utas.edu.au	2016-17
Post-Doctorate University of Western Australia (UWA) - Australia www.uwa.edu.au Murdoch University, Perth, Australia <i>Markers assisted selection of Tall wheatgrass introgression in western Australian wheat varieties for enhanced Na⁺ exclusion to improve the salt tolerance of wheat.</i>	2012-13

Supervisor: Prof. Dr. Tim Colmer, School of Plant Biology/ Prof. Dr. Michael Francki, State Agricultural Biotechnology Centre (SABC)	
PhD (Soil Science) Sub-field: Saline Agriculture University of Agriculture, Faisalabad – Pakistan/ Bangor University, United Kingdom under <i>Molecular mapping of Na⁺ accumulation QTLs in rice under salt stress</i> Supervisor: Dr. Katherine A Steele and Dr. John Gorham	2009
MSc (Hons.) Soil Science/Saline Agriculture Institute of Soil & Environmental Sciences University of Agriculture, Faisalabad - Pakistan	2001
BSc (Hons.) Agriculture - Soil Science Institute of Soil & Environmental Sciences University of Agriculture, Faisalabad - Pakistan	1998

PROJECT FUNDINGS

1. Evaluation of advancements in saline agriculture technology-related interventions for food security, climate change resilience, and its dissemination to stakeholders

Role: Team Leader

Status: Completed [31 March 2025]

Duration: 03 years (2022-2024)

Cost of the research project (MNSUAM Component): Rs. 7.490 million

Funding agency: Punjab Agriculture Research Board, Lahore

2. Adapting to Salinity in the Southern Indus Basin (ASSIB)

Role: Lead Salinity Management/Co-PI

Status: Completed [10 June 2024]

Duration: 03 years (2021-2024)

Cost of the research project: Aus \$: 2.310 million

Funding agency: Australian Centre for International Agricultural Research (ACIAR)

3. Improving Chickpea production on sandy soils by using biochar produced from cotton sticks at different temperatures.

Role: Principal Investigator

Status: Completed [22.02.2024]

Cost of the research project: Rs. 2.623032 million

Funding agency: Higher Education Commission of Pakistan

4. Selection of promising Date-palm (*Phoenix dactylifera* L.) germplasm for salt-affected soils in Dera Ghazi Khan

Role: Principal Investigator

Status: Completed

Cost of the research project: Rs. 7.070200 million

Funding agency: Higher Education Commission of Pakistan

5. Carbon sequestration: an ultimate solution for improving farmers' livelihood and resource use efficiency.

Role: Co-Principal Investigator (Co-PI)

Status: Completed

Cost of Research Project: Rs. 1.309 million.

Foundation for Science and Technology Development (FOSTECT), Vietnam.

6. Potential of Halotolerant Plant Growth Promoting Rhizobacteria (PGPR) in combination with compost for improving maize productivity under saline conditions

Role: Principal Investigator

Status: Completed

Cost of the research project: Rs. 0.498 million

Funding agency: Higher Education Commission of Pakistan

7. Scope of different remediation techniques in degradation of Atrazine and Pendimethalin to control soil and water pollution

Role: Co-Principal Investigator

Status: Completed [Completion Date:]

Cost of the research project: Rs. 0.499 million

Funding agency: Higher Education Commission of Pakistan

8. Quantification of crop productivity and potassium use efficiency of different cotton cultivars under sufficient and scarce water conditions

Role: Co-Principal Investigator

Status: Completed

Cost of research project: Rs. 0.475 million

Funding agency: Higher Education Commission of Pakistan

PUBLICATIONS

1. Zafar, M.S., I. A. Rajwana, K. Razzaq, T. Ul-Haq and Hameed-Ullah. 2025. Soilless media solutions for mango nursery involve the synergistic use of biochar and pot size to enhance growth. Pak. J. Bot., 57(4): 1273-1279. Published online: 20 May 2025. [IF: 0.9]: DOI: 10.30848/PJB2025-4(8)
2. Raza, N., M. Jamil, Z. Ali, N. Wilkes, M. Hayat, T. Ul-Haq, and M. Omar, 2025. Synthesis of tannic acid and chitosan-modified magnetic graphene oxide nanocomposite for metal recovery in low-grade ore. Journal of Ecological Engineering, 26(8):367-380. Published online: 10 June 2025. [IF: 1.5] DOI | <https://doi.org/10.12911/22998993/204005>
3. Akhtar, M.N., T.U. Haq, G. Abbass, T. Naz, M.M. Iqbal, M.N. Hanif and M.W. Akhtar. 2025. Effects of soil-applied potassium on potassium use efficiency, leaf water, and biochemical attributes of cotton cultivars under reduced irrigation. Pak. J. Bot., 57(6): Published online: 09 July 2025. [IF: 0.9] DOI: 10.30848/PJB2025-6(30)
4. Iqbal, H.M.W., A. Ghaffar, M. N. Afzal, K. Mubeen and T. Ul-Haq. 2025. Interactive effects of tillage, legumes and nitrogen on soil health and cotton-wheat productivity. New Zealand Journal of Crop and Horticultural Science. Published online: 30 Apr 2025. [IF: 1.50]: DOI | <https://doi.org/10.1080/01140671.2025.2495977>.
5. Hanif, M.N., T. Haq, M.N. Akhtar, A. Hussain and A. Matloob. 2024. Risk Assessment of pesticide residues in cauliflower grown in the vicinity of Multan city, Pakistan. Sarhad Journal of Agriculture, 40(4): 1164-1171. Published | October 04, 2024. [HEC: Y] DOI | <https://dx.doi.org/10.17582/journal.sja/2024/40.4.1164.1171>
6. Bibi, T., T. Ul-Haq, S. Ahmad, A. Mahmood, U. Riaz and J. Iqbal. 2024. Optimization of the composting process from rice straw for agricultural and environmental sustainability. Plant and Environment, 5(02):75-89. DOI: <https://doi.org/10.54219/plantenviro.05.02.2024.386>. Published: 15 Dec 2024, [HEC: Y].

7. Sadiq, Qurat-Ul-Ain., M. Nazim, **T. Ul-Haq**, M. Fatima, A. Hussain, M. Ali, B. Mathpal, M. S. Alwahibi. 2024. Salt stress effects on growth, physiology, and ionic concentrations in hydroponically grown barley genotypes. *Journal of King Saud University - Science*, 36(10):103448, Published online: 16 September 2024. [IF: 3.7] <https://doi.org/10.1016/j.jksus.2024.103448>
8. Fatima, M., M. Nazim, T. Ul-Haq, Q-U-A, Sadiq, A. Hussain and M. Ali. 2024. Exploring the synergistic effect of animal manure and biochar to improve maize growth and productivity under water deficit condition. *Agrobiological Records* 17: 83-90. <https://doi.org/10.47278/journal.abr/2024.026>.
9. Fareed, A., A. Hussain, T. Ul-Haq, A. Matloob and Z. Ali. 2024. Navigating soil journey of atrazine: unraveling leaching dynamics and crop response to dose variability. *International Journal of Environmental Science and Technology*. [IF:]: <https://doi.org/10.1007/s13762-025-06385-6>
10. Ismail, M.S., F. Nawaz, M. A. Shehzad, **T. Ul-Haq**, M. Y. Ashraf, 2024. Selenium biofortification impacts nutritional composition and storage proteins in wheat grains, *Journal of Food Composition and Analysis*. 127:105961: Published online: 3 January 2024 ;[IF: 4.00] <https://doi.org/10.1016/j.jfca.2023.105961>.
11. Shah, S. H., M.B. Hussain, G. Haider, **T. Ul-Haq**, Z.A. Zahir, S. Danish, B.A. Paray, and C. Kammann. 2023. Acidified manure and nitrogen-enriched biochar showed short-term agronomic benefits on cotton–wheat cropping systems under alkaline arid field conditions. *Scientific Reports*, 13. <https://doi.org/10.1038/s41598-023-48996-4>. [IF: 4.997] Published online: 15 December 2023
12. Naeem A.M., **T. Ul-Haq**, M. A. Waseem and G. Abbass. 2023. Gene expression pattern of K transporter GhHAK5 gene of potassium efficient and in-efficient cotton cultivars based on morphological physiognomies as affected by potassium nutrition and reduced irrigation. *Journal of Cotton Research* 6:14; <https://doi.org/10.1186/s42397-023-00150-1>, [IF: 2.41] Published online: 19 September 2023
13. Sana Ullah, **T. Ul-Haq**, M. A. Shehzad, K. S. Ahmad, M. Imran, A. Matloob, H. S. Ahmad, M. Arif, I. M. Moussa, H. O. Elansary and J. Wang. 2023. Fe and Zn-loaded cotton- sticks biochar and organic amendments improves chickpea production by enhancing ionic uptake and chemical properties of sandy soils, *Cogent Food and Agriculture*, 9:2, 2265110, DOI: 10.1080/23311932.2023.2265110. [IF: 2.31] Published online: 08 Oct 2023
14. Junaid, S.A., M. Ali, A. Matloob, **T. Ul-Haq**, and M. M. Iqbal. 2023. Impact of seed priming and compost application on yield and growth attributes of cluster bean in salinity stress. *Pak. J. Bot.*, 55(SI): DOI: [http://dx.doi.org/10.30848/PJB2023-SI\(2\)](http://dx.doi.org/10.30848/PJB2023-SI(2)). [IF: 1.10]. 10 June 2023
15. Mustafa, G., I.A. Rajwana, H.N. Faried, **T. Ul-Haq** and M.A. Bashir. 2023. Fruit thinning improves pomegranate fruit quality by activating physical, physiological, biochemical, and bioactive attributes. *Pak. J. Bot.*, 55(6): DOI: [http://dx.doi.org/10.30848/PJB2023-6\(20\)](http://dx.doi.org/10.30848/PJB2023-6(20)) Published: 05 May 2023, [IF: 1.10].
16. Akhtar, M.N., **T. Ul-Haq**, F. Ahmad, W. Ahmad and A Ghaffar. 2023. Characterization of diverse cotton cultivars for potassium acquisition based on morphological and physiological traits at early growth stage. *Pak. J. Bot.*, 55(2) 611-626: [http://dx.doi.org/10.30848/PJB2023-2\(21\)](http://dx.doi.org/10.30848/PJB2023-2(21)) [IF: 1.10]. Published: 04 Feb. 2023.
17. Mustafa, G., I.A. Rajwana, H.N. Faried, T. Ul-Haq and M.A. Bashir. 2023. The Influence of Pruning Intensity on Physical and Biochemical Fruit Attributes of Pomegranate. *Erwerbs-Obstbau*. 65(3) <https://doi.org/10.1007/s10341-022-00824-1>: IF: 1.206; Published: 05 January 2023
18. Raza, H., T. Ul-Haq, M. Imran, N.A. Ikram and M.B. Shoukat. 2022. Wastewater contaminants characterization and evaluation from Wali Muhammad distributary, Multan, Punjab. *Journal of Innovative Sciences*, 8(2): 243-249. (HEC Recognized Journal)
19. Wajid, S., M. Imran, H. S. Ahmad, M. Z. Gulzar, T. Ul-Haq, A. Ghaffar, S. F. Arshad, K. Bashir, Z. Khan and H. Riaz. 2022. Determination of crop coefficient of hybrid wheat under arid climate: A pot study. *J Bioresource Management* 9 (2): 46-59. (HEC Recognized Journal)
20. Imran, M., M. J. Akhtar, S. F. Arshad, M. Ashfaq, M. Z. Gulzar, S. Ahmad, K. Bashir, Z. Khan, H. Riaz and T. Ul-Haq. 2022. Improving growth and yield of sunflower with integrated use of compost and PGPR (*Variovorax Paradoxus*) with different levels of N-chemical fertilizer. *Journal of Bioresource Management*, 9(2): 32-39. (HEC Recognized Journal)
21. Haider, S. S., M. B. Hussain, Z. A. Zahir, **T. Ul-Haq** and A. Matloob. 2022. Thermal Plasticity and Cotton Production Enhancing Attributes of Phosphate-Solubilizing Bacteria from Cotton Rhizosphere. *J Soil Sci Plant Nutrition* 22(3): 3885-3900. Publish on 25 July 2022. [IF: 3.610].
22. Akhtar, M.N., **T. Ul-Haq** and F. Ahmad. 2022. Evaluation of the response of indigenous cotton cultivars

- to low potassium stress in a hydroponics system. Pak. J. Bot., 54(5): 1663-1673; <http://dx.doi.org/10.30848/PJB20190504110> [IF: 1.10]. Published 23.05.2022.
23. Akhtar, M.N., **T. Ul-Haq**, F. Ahmad, M. Imran, W. Ahmed, A. Ghaffar, M. Shahid, M.H. Saleem, H. Alshaya, M.K. Okla and S. Ali. 2022. Application of Potassium along with Nitrogen under Varied Moisture Regimes Improves Performance and Nitrogen-Use Efficiency of High- and Low-Potassium Efficiency Cotton Cultivars. *Agronomy* 12: 502. <https://doi.org/10.3390/agronomy12020502>. [IF: 3.336]. Published 17.02.2022.
 24. Chen, L., M. Wakeel, **T. Ul-Haq**, C. Chen and X. Ren. 2022. Insight into UV-induced simultaneous photocatalytic degradation of Ti3C2Tx MXene and reduction of U(VI). *J. Hazardous Materials* 430(18):128377; (IF: 10.588)
 25. Manzoor, S., M. H. Rahman, G. Haider, I. Ghafoor, S. Ahmad, M. Afzal, F. Nawaz, R. Iqbal, M. Yasin, **T. Ul-Haq**, S. Danish and A. Ghaffar. 2021. Biochar and slow-releasing nitrogen fertilizers improved the growth, nitrogen use, yield, and fiber quality of cotton under arid climatic Conditions. *Environ Sci Pollut Res.* <https://doi.org/10.1007/s11356-021-16576-6>. [IF: 4.015]
 26. Zhu, K., H. Xu, M. Wakeel, **T. Ul-Haq**, X. Ren and C. Chen. 2021. In-situ synthesis of ultrafine Co nanoparticles confined in interconnected nitrogen-doped carbon networks for enhanced reduction of 4 - nitrophenol. *Applied Surface Sci* 563:150320; [IF: 6.182]
<https://doi.org/10.1016/j.apsusc.2021.150320>
 27. Shafiq, B. A., F. Nawaz, S. Majeed, M. Aurangzaib, A. Al Mamun, M. Ahsan, K. S. Ahmad, M. A. Shehzad, M. Ali, S. Hashim, **T. Ul-Haq**. 2021. Sulfate-Based Fertilizers Regulate Nutrient Uptake, Photosynthetic Gas Exchange, and Enzymatic Antioxidants to Increase Sunflower Growth and Yield Under Drought Stress. *J Soil Sci. Plant Nutr.* [IF:2.156]. <https://doi.org/10.1007/s42729-021-00516-x>
 28. Ahmad, H. S., M. Imran, F. Ahmad, S. Rukh, R M. Ikram, H M Rafique, Z. Iqbal, A. A. Alsahli, M. N. Alyemeni, S. Ali and T. Ul-Haq. 2021. Improving Water Use Efficiency through Reduced Irrigation for Sustainable Cotton Production. *Sustainability* 13: 4044. [IF:3.251] <https://doi.org/10.3390/su13074044>
 29. Khan, A. G., M. Imran, A Khan, A Fares, J. Šimuněk, T Ul-Haq, A A Alsahli, M N Alyemeni and S Ali. 2021. Performance of spring and summer-sown maize under different irrigation strategies in Pakistan. *Sustainability*. 13(5): 2757 [IF:3.251]
 30. Sattar, B., S. Ahmad, I. Daur, M.B. Hussain, M. Ali, **T. Ul-Haq**, M. Arif and M. Bakhtawer. 2021. Bioactive-sulfur coated diammonium phosphate improves nitrogen and phosphorus use efficiency and maize (*Zea mays* L.) yield. *Journal of Environmental & Agricultural Sciences*. 23(3&4): 23-29.
 31. Abid Hussain, A., U. Yousaf, U Rahman, J. Ahmad, M. Nawaz, H. N. Faried and **T. Ul-Haq** 2021. Synthesis and Application of Modified Orchard Waste Biochar for Efficient Scavenging of Copper from Aqueous Solutions. *Arabian Journal for Science and Engineering*. <https://doi.org/10.1007/s13369-021-05362-8> [IF: 1.711]
 32. Ibrahim, M., M. Jameel, **T. Ul-Haq**, M. Nadeem, M. I. A. Rehmani, A. N. Abbas, S. Ahmad, M. A. Shabir, M. M. Iqbal and L. M. Lauriault. 2020. The influence of integrated organic and inorganic fertilizers on forage yield and nutritive value of maize and soil properties. *East African Scholars J Agri Life Sci*. 3(12): 383-388 [IF:]
 33. Jan, M., **T. Ul-Haq**, H. Sattar, M. Butt, A. Khaliq, M. Arif and A. Rauf. 2020. Evaluation and screening of promising drought tolerant chickpea (*Cicer arietinum* L.) genotypes based on physiological and biochemical attributes under drought conditions. *Pak J Agri Res*, 33(3): 662-672.
 34. Jan, M., M. A. Ul-Haq, **T. Ul-Haq**, A. Ali, S. Hussain and M. Ibrahim. 2020. Protective effect of potassium application on NaCl induced stress in tomato (*Lycopersicon esculentum* L.) genotypes. *J Plant Nutrition*. 43(13):1988-1998 [IF: 1.132]
 35. Ahmed, W., M. Imran, M. Yaseen, **T. Ul-Haq**, M U Jamshaid, S. Rukh, RM Ikram, M. Ali, A Ali, M. Maqbool, M. Arif, MA. Khan. 2020. Role of salicylic acid in regulating ethylene and physiological characteristics for alleviating salinity stress on germination, growth and yield of sweet pepper. *Peer J* 8: e8475 <https://doi.org/10.7717/peerj.8475> : [IF: 2.35]
 36. Jan, M., M. A. Ul-Haq, **T. Ul-Haq**, A. Ali, M. Yousaf, S. Bashir and S. Khan. 2019. Silicon application improve maize (*Zea mays* L.) performance through ionic homeostasis and ameliorating adverse effects of brackish water. *Asian J Agric Biol*. 7(3):458-466 [IF: 0.25]
 37. Wu, Honghong., L. Shabala, M Zhou, N Su, Q Wu, **T. Ul-Haq**, J Zhu, S Mancuso, E Azzarello and S

- Shabala. 2019. Root vacuolar Na⁺ sequestration but not exclusion from uptake correlates with barley salt tolerance. *The Plant Journal* 98(7): [IF: 5.726]
38. Hussain, M.B., Z.A. Zahir, I. Mehboob, S. Mahmood, N. Ahmed, **T. Ul-Haq**, I. Ahmad and M. Imran. 2019. Mesorhizobium ciceri-CR-39 inoculation to wheat for drought tolerance at critical growth stages. *Pak J Bot.* 51(1): 65-72 [IF: 0.672]
 39. Arif, M., W Ahmed, **T. Ul-Haq**, U. Jamshaid, M. Imran and S. Ahmad. 2018. Effect of rock phosphate-based compost and biofertilizer on uptake of nutrients, nutrient use efficiency and yield of cotton. *Soil & Environ.* 37 (2): 129-135 (HE recognized)
 40. Jan, M., M. A. Haq, **T. Ul-Haq**, A. Ali and E. A. Warriach. 2016. Evaluation of soil and foliar application of Zinc sources on rice (*Oryza sativa* L.) Genotypes in saline environments. *Inter. J. Agri. Biology* 18:643-648 (IF: 0.746)
 41. Ali, A., W. Ahmad, R. Mehmood, **T. Ul-Haq** and M.N Abbas. 2016. Salinity tolerance in rice as affected by application of abscisic acid and salicylic acid. *Bangladesh J. Bot.* 45(1):93-98. (IF: 0.35)
 - a. http://www.bdbotsociety.org/journal_archive_article.php?option=details&articleid=610
 - b. http://www.bdbotsociety.org/journal/journal_issue/2016%20March/13.pdf
 42. Ali, A., **T. Ul Haq**, R. Mahmood, M. Jaan and M. N. Abbas. 2016. Stimulating the anti-oxidative role and wheat growth improvement through silicon under salt stress. *Silicon.* 8(30):1-4 DOI 10.1007/s12633-015-9378-4. [IF: 1.07]
 43. Ali, A., N. Abbas, M.M. Maqbool, **T. Ul Haq**, M. Ahmad and R. Mahmood. 2015. Influence of soil applied Moringa leaf extract on vegetative growth of *Cyperus rotundus* L. *Asian J Agri Biol*, 3(2): 79-82. (IF: 0.161)
 44. **Ul-Haq, T.**, J. Akhtar; A. Ali, M. M. Maqbool and M. Ibrahim. 2014. Evaluating the response of some canola cultivars (*Brassica napus* L.) to salinity stress at seedling stage. *Pak. J. Agri. Sci.* 51:127-136 [IF: 1.240]
 45. Ibrahim, M., M. Ayub, M. M. Maqbool, **T. Ul Haq**, S. Hussain, A. Ali and L. M. Lauriault. 2014. Forage yield components of irrigated maize -legume mixtures at varied seed ratios. *Field Crops Research* 169: 140-144 [IF: 2.608]
 46. **Ul-Haq, T.**, A. Ali, S. M. Nadeem, M. M. Maqbool and M. Ibrahim. 2014. Performance of canola cultivars under drought stress induced by withholding irrigation at different growth stages. *Soil and Environment.* 33(1): 43–50. [IF: Y]
 47. Ariyaratna, H.A.C.K., **T. Ul-Haq**, T. D. Colmer and M. G. Francki. 2014. Characterization of the multigene family TaHKT 2;1 in bread wheat and the role of gene members in plant Na⁺ and K⁺ status. *BMC Plant Biology.* 14:159 doi:10.1186/1471-2229-14-159. [IF: 4.372]
 48. **Ul-Haq, T.**, J. Akhtar, N. Akhtar, K. A. Steele, R. Munns and J. Gorham. 2014. Reliability of ion accumulation and growth components for selecting salt tolerant lines in large populations of rice. *Functional Plant Biology* 41:379-390. [IF: 2.569]
 49. Ibrahim, M., M. M. Maqbool, M. Ayub, M. I. Ahmad, M. Tahir, S. M. Nadeem, **T. Ul-Haq** and M. M. Nadeem. 2014. Evaluating the forage yield and quality potential of different maize cultivars under different harvesting times. *Inter J Modern Agric.* (1) 3:1-6.
 50. Sarwar, M., A. Ali, M. M. Maqbool, M. Ahmad, R. Mahmood and **T. Ul-Haq**. 2013. Suppressing impact of *Avena fatua* and *Pholaris minor* on the growth and yield in wheat. *Pak. J. Nutrition* 12: 912-916. [IF: Y]
 51. Maqbool, M. M., Anser Ali, **T. Ul-Haq**, M. N. Majeed and D. J. Lee. 2013. Response of spring wheat (*Triticum aestivum* L.) to induced water stress at critical growth stages. *Sarhad J Agriculture* 31: 53-58 [IF: Y]
 52. **Ul-Haq, T.**, J. Gorham, J. Akhtar, N. Akhtar and K. A. Steele. 2010. Dynamic QTL for salt stress components on chromosome-1 of rice. *Functional Plant Biology.* 37 (7): 634–645. [IF: 2.569]
 53. **Ul-Haq, T.**, J. Akhtar, S. Nawaz and R. Ahmad. 2009. Morpho-physiological response of rice (*Oryza sativa* L.) varieties to salinity stress. *Pak. J. of Botany*, 41(6):2943-2956. [IF: 1.207]
 54. **Ul-Haq, T.** 2009. Molecular mapping of Na⁺ accumulation quantitative trait loci (QTLs) in rice (*Oryza sativa* L.) under salt stress. PhD. Thesis submitted to Institute of Soil & Environ. Sciences, University of Agriculture, Faisalabad, Pakistan. <http://eprints.hec.gov.pk/2773/1/61S.htm>.

55. **Ul-Haq, T.**, J. Akhtar, J. Gorham, K. A. Steele and M. Khalid. **2008**. Genetic mapping of QTLs, controlling shoot fresh and dry weight under salt stress in rice (*Oryza sativa* L.) cross between Co39 × Moroberekan. *Pak. J. of Botany*, 40(6): 2369-2381. [IF: 1.207]
56. Bhutta, W.M., M. Ibrahim, J. Akhtar, A. Shahzad, **T. Ul-Haq** and M. A. Haq. **2004**. Comparative performance of Sunflower (*Helianthus annuus*) genotypes against NaCl salinity. *Caderno Pesquisa Serie Biologia*. 16(1):8-17. [IF: X]
57. **Ul-Haq, T.**, K. Mahmood., A. Shahzad and J. Akhtar. **2003**. Tolerance potential of wheat cv. LU-26s to high salinity and waterlogging interaction. *Inter. J. Agriculture and Biology*. 5(2): 162-65. [IF: 0.940]
58. Akhtar, J., **T. Ul-Haq**, A. Shahzad, M. A. Haq, M. Ibrahim and N. Ashraf. **2003**. Classification of different wheat genotypes in salt tolerance categories on the basis of biomass production. *Inter. J. Agriculture and Biology*. 5(3): 322-325. [IF: 0.940]
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60. Akhtar, J., W.M. Bhutta, M. Ibrahim, M. A. Haq, A. Shahzad and **T. Ul-Haq**. **2003**. Performance of wheat (*Triticum aestivum*) to NaCl stress at early growth stages in solution culture. *Pak. J. Soil Sci.* 22 (4): 11-14.
61. Akhtar, J., **T. Ul-Haq**., M. Saqib and K. Mahmood. **2002**. Effect of Salinity on Yield, Growth and Oil Contents of Four Brassica Species. *Pak. J. Agricultural Sciences*, 39(2): 76-79. [IF: 1.240]
62. **Ul-Haq, T.**, J. Akhtar., M. A. Haq and M. Hussain. **2002**. Effect of soil salinity on concentration of Na, K and Cl in the leaf sap of four Brassica species. *Inter. J. Agriculture and Biology*. 4(3): 385-388. [IF: 0.940]
63. Asghar, A., M. Hussain., A. Tanveer., M. A. Nadeem and **T. Ul-Haq**. **2002**. Effect of different levels of phosphorus on seed and oil yield of two genotypes of Linseed. *Pak. J. Agricultural Sciences* 39(4): 281-82. [IF: 1.240]
64. Ul-Haq, M.A., J. Akhtar, **T. Ul-Haq**, M. Ibrahim, M. Khalid and Z.A. Dasti. **2004**. Use of brackish drainage water for rice production. **Proceedings** of the National Drainage Seminar, June 7-8, 2004, Vol. 1. NWFP, Agriculture Univ. of Peshawar, Pakistan.

Book Chapters

1. Rabbia Khalid, Umair Riaz, Muhammad Usama Khan, Muqarrab Ali, and Tanveer Ul Haq. 2026. Impact of climate change on plant pathogens, disease, and food security. In: Sajid Fiaz, Muhammad Azhar Nadeem, Faheem Shehzad Baloch, and Yong Suk Chung (eds.), *Artificial Intelligence and Data Sciences for Precision Agriculture*. 2026. Publisher: Springer Nature Switzerland, Gewerbestrasse 11, 6330 Cham, Switzerland. https://doi.org/10.1007/978-3-032-12770-9_9. First Online: 10 January 2026
2. Humera Aziz, Umair Riaz, Sobia Ashraf, Sana Ashraf, Sana Farooq, Shazia Iqbal, Abid Hussain, Tanveer Ul Haq, and Ghulam Murtaza. 2025. Environmental Pollution: Core Contaminants and Threats to Human Life. In: Fernanda Maria Policarpo Tonelli, Arpita Roy, and Khalid Rehman Hakeem (Eds.) *Sustainable Nanoremediation: Modern Technologies for a Clean Environment*. 2025 Apple Academic Press, Inc. Co-published with CRC Press (Taylor & Francis)
3. Muhammad Naeem Akhtar, M.W. Akhtar, Ashfaq Ahmad Rahi, and Tanveer Ul-Haq. 2023. Enhancing water use efficiency by using Potassium-Efficient Cotton Cultivars based on morphological and biochemical characteristics. In: Dr. Songül Gürsoy and Dr. Songül Akın Editors. *Best Crop Management and Processing Practices for Sustainable Cotton Production*. In TechOpen Publishers DOI: <http://dx.doi.org/10.5772/intechopen.112606>. Published: 05 October 2023.
4. Rafiqat, S., Umair Riaz, F. Hassan, A. Hussain, Tanveer Ul-Haq, Ghulam Murtaza, and Qamar Uz Zaman. 2023. Strategies to Evaluate Nanoremediation Efficiency. In: Policarpo Tonelli, F.M., Roy, A., Ananda Murthy, H.C. (eds) *Green Nanoremediation*. Springer, Cham. https://doi.org/10.1007/978-3-031-30558-0_17. Published 23 June 2023. Online ISBN 978-3-031-30558-0.
5. Mahmood, A., M. Imran, Muhammad Usman Jamshaid, Umair Riaz, Muhammad Arif, Wazir Ahmed, Tanveer Ul Haq, M. A. Shahzad, A. Ur Rehman, A. Hamed, H. Riaz, and M. A. Khan. 2023. Integrated OMIC Approaches for Bioenergy Crops. In: M. Aasim et al. (eds.), *Biotechnology and Omics Approaches for Bioenergy Crops*, Publisher: Springer Verlag, Singapore. https://doi.org/10.1007/978-981-99-4954-0_4. Published: 30/11/2023

6. Muhammad Baqir Hussain, Suleman Haider Shah, Amar Matloob, Rabia Mubarak, N. Ahmed, I. Ahmad, Tanveer Ul-Haq, and Muhammad Usman Jamshaid. 2022. Rice Interactions with Plant Growth Promoting Rhizobacteria. In: Sarwar, N., Atique-ur-Rehman, Ahmad, S., Hasanuzzaman, M. (eds) Modern Techniques of Rice Crop Production. Springer, Singapore.
https://doi.org/10.1007/978-981-16-4955-4_14. First published Online: 10 April 2022
7. Tanveer ul Haq, Muhammad Imran, and Hafiz Shahzad Ahmad. 2021. Physiological Basis of Abiotic Stress Tolerance in Plants. In: Pessarakli, M. (Ed). Handbook of Plant and Crop Physiology, 4th Edition, Taylor and Francis Group, LLC 6000 Broken Sound Parkway, Suite 300, Boca Raton, FL 33487 USA

SKILLS

- Excellent communication and interpersonal skills
- Expert in using laboratory equipment.
- Expert in QTL/gene Mapping, Gene expression studies
- Highly resourceful, flexible, adaptive, and enthusiastic class advisor
- Member of the curriculum development and quality enhancement committee
- Languages: Tri-lingual fluent and confident in English, Urdu & Punjabi
- Computer Expertise: Proficient at using *Microsoft Word, Excel & PowerPoint*

TRAINING/WORKSHOPS/SEMINARS ATTENDED/ORGANISED

- Organized a seminar as convener organizing committee titled “From Prediction to Precision: Sensor-Guided Nitrogen Management to Improve Nitrogen Use Efficiency and Groundwater Quality”, held on December 31, 2025, at the Department of Soil and Environmental Sciences
- Organized a Seminar on World Soil Day 2025. Celebrations and Digital Posters Competition on 05 December 2025 in collaboration with FFC Farm Advisory Centre, Multan
- Organized Smog Awareness Seminar 2025 in collaboration with Rotary Club, Multan and Environment Protection Agency, Multan on 04th November 2025 at Hall 110, Academic Block, MNS UAM
- Attended Public Forum 2025, Climate Resilient Flood 2025 Recovery Demands-Grants, Not Loan” dated November 03, 2025 (Monday) at 11:00 am sharp in Syndicate Hall MNS University of Agriculture Multan organized by the Department of Agronomy, MNS University of Agriculture Multan, Doaba Foundation and Indus Consortium
- Attended one day workshop on environmental and social safeguards for development projects at Management and Professional Development Department, Lahore on 15 May 2025, organized by Environment Protection and Climate Change Department, Punjab
- Organized Farmers Day at University Farm Jalalpur Pirwala under PARB Project 20-70 to share and demonstrate project outcomes with the farmers on 27 February 2025, at 10:00 am.
- Organized a Farmers Day at Mango Farm of Malik Ameer Nawaz Khan Tatay Pur, under PARB Project 20-70 to share and demonstrate project outcomes with the farmers on 24 April 2025, at 10:00 am.
- Organized a Seminar on World Soil Day 2024. Celebrations and Digital Posters Competition on 05 December 2024 in collaboration with FFC Farm Advisory Centre, Multan
- Organized training workshop on the safe use of brackish groundwater for agriculture on 04 November 2024 in collaboration with PARB.
- Attended an Inception workshop on “Transformation through Adoption of Trees and Shrubs for Salinity Management in the Southern Indus Basin, Pakistan” at Four Seasons Hotel, Bahawalpur on 01 August 2024, organized by AZRI, PARC, Bhp & PCRWR, Islamabad
- Organized an International Seminar on “Water and Land Management and Prospects of Bio Saline Agriculture in The Southern Indus Basin” in collaboration with ICBA, Dubai on 13 June 2024; at 9:00 am under ASSIB, in Seminar Hall 110, Academic Block. MNS University of Agriculture, Multan
- Attended one week’ International ACIAR Salinity Futures Symposium at Can Thu University, Vietnam, from 02-09 March 2024 organized by ACIAR, Australia
- Organized Seminar on World Soil Day 2023. Celebrations and Digital Posters Competition on 05 December 2023 in collaboration with FFC Farm Advisory Centre Multan
- Attended Master Trainers Capacity Building training from 7th August till 11th August 2023 at Marriott Hotel, Islamabad organized by NAHE, HEC, and British Council
- Attended a five-day supervisors’ Capacity building program at Marriott Hotel, Islamabad from 12-16 June 2023, organized by NAHE, HEC, and British Council
- Organized webinar on Soil Pollution and Sustainable Development Goals in hybrid mode on 19th September

2023

- Organized Smog awareness seminar in collaboration with FC College University, Lahore, and Disaster Management Authority on 16th November 2023
- Organized Seminar on World Environment Day 2023, Celebrations and Posters, and Models Competition on 05 June 2023 in collaboration with NFC Institute of Engineering and Technology, Multan
- Organized training workshop on the use of soil survey techniques on 09 March 2023 in collaboration with the Soil Survey of Punjab, Lahore.
- Organized seminar “Effective Waste Management for Better Environment and Human Health” on 27-12-2022 in collaboration with Multan Waste Management Company, Multan
- Organized Plantation drive in collaboration with Coca-Cola International and DEP
- Attended a One-day seminar on the awareness of the upcoming 4th call of the “Technology Development Fund” on December 6th, 2022 (Tuesday) at 10:30 AM in Room No. 132 of the Academic Block of MNSUAM. The resource person was Dr. Ghulam Sarwar, Project Team Lead-TDF, HEC
- Attended online international webinar "Crop Phenomics and Genomics in the Face of Climate Change" on December 13, 2022 (Tuesday) at 2 PM. The resource person was Prof. Dr. Gabriel Schaaf, from the University of Bonn, Germany.
- Attended Technology Development Fund awareness seminar on Dec 06, 2022, 10:30 AM, organized by ORIC in collaboration with HEC, Islamabad
- Participated in the morning show on ARY TV on 9 December 2022; Link; https://fb.watch/hi_qSwFMFm/?mibextid=bIAC9r
- Organized Seminar on World Soil Day Celebrations and Posters/models Competition on 05 December 2022 in collaboration with FFC Farm Advisory Centre, Multan, Engro Fertilizers, and JR Consulting Australia.
- Attended National Salinity Workshop under ACIAR-funded ASSIB Project from 12-16 September 2022 at the Serina Hotel, Islamabad
- International Seminar on “Challenges and Opportunities for Saline Agriculture” under Adapting to Salinity in the Southern Indus Basin Project on September 06, 2022.
- Organized a 02-day training workshop on the management of crop nutrition and high-efficiency irrigation systems and a Consultative session on potassium use on 28-29 March 2022 in collaboration with Engro Fertilizer and Arab Potash Jordan
- Organized special lecture on “The Risk Factors for Adverse Outcomes with COVID-19 Infections & Its Management” on 27th January 2022 at 11:00 am in Seminar Hall 110, Academic Block, MNS UAM.
- Organized Seminar on World Soil Day Celebrations and Digital Posters Competition on 03 December 2021 in collaboration with FFC Farm Advisory Centre, Multan
- Participated in TV Talk Show (Agri-Business) at Rohi TV on 25 November 2021 with host Dr. Amjid Bukhari
- Organized a one-day training workshop on Advances in the Monitoring of water and salinity at the Farm in Collaboration with Engro Fertilizers Limited, PCWR, and ACIAR on 24 November 2021 at MSN UAM
- Organized an international webinar entitled “Prospects of Saline Agriculture in Arid Environments” on 08 October 2021 (Friday) at 11:30 a.m. at MNS-UAM (Resource person was Dr. Arjen de Vos, Founder/Director at The Salt Doctors, Netherlands).
- Organized workshop Adapting to Salinity in the Southern Indus Basin, National Stakeholder workshop held on 30 September 2021 at MSN UAM in Hybrid Mode.
- Attended a one-day online training workshop on Managing organizational culture and teamwork on 14 September 2021, organized by the National Productivity Organization (NPO), Multan, Pakistan
- Organized Seminar on World Environment Day, 07 June 2021
- Organized Seminar on World Soil Day Celebrations and Digital Posters Competition on 05 December 2020 in collaboration with FFC Farm Advisory Centre Multan, Institute of Soil & Environmental Sciences, UAF, Pakistan Academy of Sciences, and Food & Agriculture Organization (FAO) of the United Nations
- Organized a Seminar on Scientific writing skills and publishing tips by Professor Rana Munns on 02 December 2020 in collaboration with CSIRO Agriculture and Food, Canberra; University of Western Australia, Perth- Australia.
- Organized a two-day training Workshop on “Farmer Integrated Learning Model (FILM)” on 16-17 December 2019 at MNS University of Agriculture, Multan
- Participated in the training workshop Real Time Leadership Strategy Building from 27-28 February 2020 at MNS University of Agriculture, Multan
- Organized a two-day training Workshop on “Farmer Integrated Learning Model (FILM)” on 16-17 December 2019 at MNS University of Agriculture, Multan
- Organized Seminar on “Smog Pollution: Causes, Effects and Solutions” organized by the Department of Soil and Environmental Sciences, MNS-University of Agriculture Multan on 28.02.2018.
- Organized One-day training on “Sustainable use of salt-affected soils and brackish water” organized by the Department of Soil and Environmental Sciences, MNS-University of Agriculture Multan on 27.03.2018.
- Attended a one-day training workshop on Faculty development on start-ups and how to manage business incubation centres by improving the industry, Academia, Government, and Society Linkage
- Research student for 2 years at Centre for Arid Zone Studies (CAZS-Natural Resources), Univ. of Bangor, Wales, UK

- **AFLP Workshop** from 11th to 15th September 2006, School of Biological Sciences, Univ. of Bangor. Wales, UK
- Certificate of Achievement on successful completion of the 2-day training course on **CEQ 8000 “Fragment Analysis”** from Beckman Coulter Limited, at the School of Biological Sciences, Univ. of Bangor. Wales, UK
- Certificate of Achievement on successful completion of 2 days training course on **CEQ 8000 “Sequencing”** from Beckman Coulter Limited, at the School of Biological Sciences, Univ. of Bangor. Wales, UK.
- Participated in the course **“Hands-on Training on Modern Techniques in Research on Abiotic Stress Tolerance in Plants”** held from September 05–09, 2011, at the Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, Pakistan.
- Two days Workshop on the **Application of Biotechnology for Wheat improvement** from Feb 28 – 29, 2012 at National Institute for Biotechnology & Genetic Engineering (NIBGE), Jhang Road, Faisalabad-Pakistan
- Attended three days on Quality assurance and governance from March 27-29, 2017, at HEC Regional Centre, 55B/2 Gulberg III, Near Ghalib Market, Lahore

CONSULTANCY SERVICES

1. Paid Consultancy provided to PAF for Land survey at Dera Ismail Khan and Muzaffargarh through ORIC from 31 Jan 2022 to 1 Feb 2022 on payment.
2. Participated in Morning show on ARY TV; Link; https://www.fb.watch/hi_qSwFMFm/?mibextid=bIAC9r on 09 December 2022
3. Advisory Services are being provided to Samson Agri. Farm, Rangpur Road, Muzaffargarh
4. Advisory Services are being provided to 04 Mango Farms at Tataypur and Qadir Pur Raan for salinity Management options.

RESEARCH INTERESTS

My research is focused on the integrated use of conventional screening techniques and modern molecular tools to obtain better use from affected lands and arid environments on a sustained basis by improving crop tolerance to abiotic stresses. Other areas of interest include soil health improvement, screening of promising alfalfa genotypes against salinity stress, use of brackish groundwater for agriculture, and wastewater treatment options through indigenous techniques. Currently, I am also working on improving chickpea production on sandy soils by using biochar produced from cotton sticks at variable temperatures.

AWARDS

- Chairperson (Additional Charge), Dept. of Climate Change, MNS University of Agri, Multan, Pakistan
- Chairperson, Dept. of Soil & Environmental Sciences, MNS University of Agri, Multan, Pakistan since 2015
- Head, Dept. of Soil & Environmental Sciences, Ghazi University, Dera Ghazi Khan, Pakistan
- **HEC Approved Supervisor for PhD-level Studies.**
- Throughout the first division of an academic career
- HEC Scholarship “Partial support for PhD Studies abroad” 2007
- Awarded Post-Doctoral Fellowship Phase – II (Batch – V) by HEC - Pakistan
- Member of the curriculum development and quality enhancement committee
- Certificate on successful completion of a short course on “Principles of Statistical Design and Analysis” held at UAF.
- Recipient of the Endeavour Research Fellowship- 2016

STUDENTS SUPERVISION

Sr. No	Name	Regd. No	Degree/Semester	
25	Abdullah Fiaz	2019-uam-192	MSc Soil Sci.	
	Utam Chand	2023-uam-2793	MSc Soil Sci. / Completed	Spring 2024-25
24	Muhammad Talha Zubair	2019-uam-077	MSc Soil Sci. / Completed	Spring 2024-25
23	Muhammad Wali	2023-uam-2795	MSc Soil Sci. / Completed	Spring 2024-25
22	Muhammad Farhan	2023-uam-2705	MSc Climate Change	Spring 2024-25
21	Muhammad Hafeez	2022-uam-2734	MSc Climate Change / Completed	Spring 2023-24
20	Hafiz Muhammad Farhan	2018-uam-152	MSc Soil Sci. / Completed	Spring 2023-24
19	Mehwish Sana Ullah	2016-uam-235	MSc Soil Sci. / Completed	Spring 2023-24
18	Hussain Namet	2018-uam-298	MSc Soil Sci. / Completed	Winter 2022-23
17				
16	Tehmina Bibi	2020-uam-2769	MSc Climate Change. / Completed	Spring 2021-22
15	Muhammad Zeeshan	2020-uam-2777	MSc Soil Sci. / Thesis completed	Spring 2022-23

	Gulzar			
14	Bakhtawar Tahir	2015-uam-193	MSc Soil Sci. / Completed	2022-23
13	Sanaullah	2018-uam-1006	MSc Soil Sci. / Completed	Winter 2021-22
12	Muhammad Bilal Shoukat	2014-uam-34	MSc Climate Change. / Completed	Spring 2021-22
11	Hasnain Raza	2014-uam-20	MSc CC. /Completed	
10	Ahsan Saleem	2015-uam-313	MSc Soil Sci. / Completed	
8	Muhammad Ahsan	2012-uam-115	MSc Soil Sci. /Completed	
7	Mahek Bakhtawar	2013-uam-82	MSc Soil Sci. /Completed	
6	Muhammad Waseem	2013-uam-08	MSc Soil Sci. / Completed	
5	Mehak Fatima	2016-uam-528	MSc Soil Sci. /Completed	
4	M. Omar Farooq Qayyum	2016-uam-529	MSc Soil Sci. /Completed	
3	Qurat ul Ain Sadiq	2016-uam-535	MSc Soil Sci. /Completed	
2	Mariam Fatima	2014-gu-0837	MSc Soil Sci. /Completed	
1	Meesam Raza	2009-gu-3596	MSc Soil Sci. /Completed	

Sr. No	Name	Regd. No	Degree/Semester	
5	Javed Iqbal	2023-uam-3712	PhD/ 5 th semester	
4	Hafiz Shahzad Ahmad	2017-uam-57	PhD/ 5 th semester	
3	Muhammad Naeem Akhtar	2017-uam-908	PhD Soil Sci./ Completed	Spring 2022-23
2	Muhammad Irfan Khan	2017-uam-915	PhD/ 10 th , Thesis submitted	Spring 2024-25
1	Ghulam Farid	2017-uam-916	PhD/ 10th Thesis submitted	Spring 2024-25

COUNTRIES VISITED

- Italy, United Kingdom, Saudi Arabia, Australia, United Arab Emirates, Vietnam

PERSONAL INFORMATION

Date and place of Birth: 10/05/1973, Toba Tek Singh- Pakistan
 NIC No: 33303-2114228-5
 Passport No: AA6392283
 Nationality: Pakistani
 Religion: Islam
 Home Address: Ihsan Manzil, House P-24, Raja Park, Toba Tek Singh – Punjab, Pakistan
 Mobile: +92 331 7756801
 Home: +92-462-512090
 Email: tanveer.ulhaq@mnsuam.edu.pk
 Url: www.mnsuam.edu.pk

CONFERENCES ATTENDED/Organised

- One-day Workshop/Symposium on Sustainable soil health management in the wake of climate change for food security, MNSUAM on 25.04.2025
- Organized 2nd International Conference on “Soil, Plant, and Environmental Health Under Changing Climate” from 16- 17th April 2024 at MNS University of Agriculture, Multan.
- Attended the 5th International Academic Studies Congress under the theme of “Everchanging World: Challenges and Opportunities” held from May 10 – 12, 2023, at MNS University of Agriculture, Multan-Pakistan
- Attended International Conference on Food Security and Value Chain Improvement under Belt & Road Initiative on 06 – 07 December 2022 at MNS UAM
- Member Peer Review committee for the International Conference on Climate Smart Agriculture: The Way towards Ecosystem Restoration” held on March 15-16, 2022, at MNS University of Agriculture, Multan
- Organized an International conference on smart potassium management in crops under a changing climate in collaboration with Engro Fertilizers Ltd., Pakistan, and Arab Potash Company, Jordan, on 3 March 2020 at MNS University of Agriculture, Multan
- Organized 1st International Conference on Soil and Crop Health in Changing Climate from 28-29 November 2018 at MNS University of Agriculture, Multan
- Participated in 17th International Congress of Soil Science Soil: Ultimate Solution of Food Security and Climate Change held on March 13-15, 2018, at Serena Faisalabad-Pakistan
- Member Peer Review committee for International Conference on Climate Smart Agriculture: The Way of Farming for 21st Century to be held on October 08-09, 2018, at MNS University of Agriculture, Multan

- Attended International seminar on Pulses and wheat for food security on 25th February 2018 at MNS University of Agriculture, Faisalabad
- Organiser of Sino-Pak International Conference on Innovations in Cotton Breeding & Biotechnology held from 22-24 November 2017 at MNS University of Agriculture, Multan
- **College on Soil Physics**, held from 12-30 Sep. 2005 at The Abdus Salam, International Centre for Theoretical Physics (ICTP), Trieste, Italy. [Foreign]
- Conference "Plant Science Wales" held at School of Biological Sciences, University of Bangor, Wales, U.K. (1/5/2006-1/6/2006) [Foreign]
- Ibrahim, I. W. A. Bhutta, **T. Ul-Haq**, A Shazad, and T. Ghulam Nabi. **2004**. Association Analysis of some drought-related characters in hexaploid spring wheat (*Triticum aestivum*). 4th International Science Conference 6 – 9th October 2004 at University of Azad Jammu & Kashmir Muzaffrabad.
- **Ul-Haq**, T., J. Akhtar, S. Nawaz and S. M. Nadeem. **2010**. Effect of salt stress on growth of rice (*Oryza sativa* L.) genotypes. Paper presented at 13th Congress of Soil Science on *Efficient Resource Management for Sustainable Agriculture*, March 24–27, 2010, Serena Hotel, Faisalabad, Pakistan.
- **Ul-Haq**, T., J. Akhtar, J. Gorham and K. A. Steele. **2010**. Spatial and temporal quantitative trait loci (QTLs) mapping of ions accumulation on chromosome-1 of rice (*Oryza sativa* L.) under salt stress. Paper presented at 2nd International Symposium on Genomics of Plant Genetic Resources, April 24–27, 2010, Bologna, Italy. [Foreign]
- Ul-Haq, T and S. Shabala. 2017. Screening barely germplasm for arsenic tolerance and to understand the mechanism of arsenic toxicity. Paper presented at International Conference, “Advances in Agricultural Resource Management (ICARM-2017)” from April 5-7, 2017, at University of Agriculture, Faisalabad-Pakistan

Conference Abstracts:

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- Haseeba Bibi, Muqarrab Ali, Muhammad Imran, Ahmad Mahmood, Amar Matloob, Tanveer ul Haq and Muhammad Saleem Ullah. Building Resilience in the Indus Delta for a Sustainable Future. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Muqarrab Ali, Amar Matloob, Ahmad Mahmood, Muhammad Imran, Tanveer-ul-Haq, Muhammad Nazim, Saleem Ullah, Haseeba Bibi, Rehan Jameel, Rasheed Amin, Omer Farooq, Khuram Shahzad. Use of Vermi-Compost in Crops Under Changing Climate Scenario. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Mehwish Sanaullah, Tanveer ul Haq, Muhammad Arif, M. Haider Jamal, Haseeb Ur Rehman. Evaluation of Salt Tolerance in Two Different Varieties of Salicornia. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Hafiz Muhammad Farhan, Tanveer ul Haq, Muhammad Arif and Haider Jamal. Assessment and Classification of Indigenous Cotton Germplasm for Salinity Tolerance. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Zeeshan Gulzar, Tanveer Ul Haq, Muhammad Imran, Shakeel Ahmad and Muhammad Arif. Sub-surface Placement of Manure Improves Maize Production and Soil Health in Arid Environment. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Wazir Ahmed, Tanveer ul Haq, Amar Matloob, Rao Muhammad Ikram, Muhammad Shahid, Naeem Akhtar. Salicylic Acid as Plant Hormone for Improving Yield and Fruit Quality of Vegetables and Crops. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Sajawal Moeen, Wazir Ahmed, Muhammad Usman Jamshaid, Tanveer ul Haq, Khuram Mubeen, Ali Sher. Integrated Use of Macro and Micronutrients for Improving Nutrient Use Efficiency and Yield of Hybrid Genotypes of Wheat. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Palwasha Sajjad, Umair Riaz, Tanveer-ul-Haq, Najma Majeed. Development of Nano-Biostimulant from Banana Peels. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Muhammad Nauman Hanif, Tanveer-ul-Haq, Muhammad Naeem Akhtar, Abid Hussain, Amar Matloob. Quantifying Pesticide Residues and Associated Risks in Cauliflower Grown in the Vicinity of Multan City. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University of Agriculture, Multan Pakistan.
- Beenish Butt, Shakeel Ahmad, Muhammad Akram Qazi, Tanveer-ul-Haq, Muqarab Ali. Bio-organomineral Phosphatic Fertilizers: Synthesis, Characterization and Potential for Crops and Soil Health. 2nd International Conference on Soil, Plant and Environmental health under changing climate 16-17th April 2024. MNS University

of Agriculture, Multan Pakistan.

- Mahmood., Ahmad, A. Matloob, M. Ali, and t. Ul-Haq. 2024. Indigenous nature-based solutions and ecosystem-based approaches in addressing climate change in Pakistan. International conference on integrative life sciences, held from September 25-27, 2024, at Atta Ur Rehman School of Applied Biosciences, National University of Science and Technology (NUST), Islamabad, Pakistan
- Ahmad, HS., Tanveer Ul Haq, Ahmad Mahmood, Muhammad Imran and Muhammad Asif Shehzad. Response of biochemically modified biochar to improve chickpea production on sandy soils. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024
- Shahzadi Bibi, Aliza Riaz, Hasham Fatima, Shakeel Ahmad, Ahmad Mahmood, Muhammad Arif, Tanveer-ul-Haq. Sustainable waste management through household level composting: A pathway to environmental health and agriculture prosperity in Pakistan. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024.
- Suleman Haider Shah, Muhammad Baqir Hussain¹, Ghulam Haider, Tanveer Ul Haq, Zahir Ahmad Zahir and Claudia Kammann. Acidified manure and nitrogen-enriched biochar showed short-term agronomic benefits on cotton wheat cropping systems under alkaline arid field conditions. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024.
- Hafiz Tanvir Ahmad, Muhammad Iqbal, Usman Aziz, Azhar Hussain, Muhammad Abubakar Dar, Tanveer ul Haq, Noor ul Ain and Fariha Amin. Enhancing maize productivity in saline conditions through the use of halotolerant PGPR in conjunction with compost. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024.
- Muhammad Haider Jamal, Tanveer Ul Haq, Muhammad Arif, Mehwish Sanaullah, Sajeela Sehar and Muhammad Farhan. Differential response of rice varieties to salinity stress. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024.
- Muhammad Tariq, Umair Riaz, Muhammad Arif, Abid Hussain, Ahmad Waqas, Tanveer-ul-Haq, Haseeb ur Rehman. Optimizing Di Ammonium Phosphate (DAP) coatings in alkaline soil enhanced soil fertility and plant growth: A comprehensive evaluation. 18th International Congress of Soil Science, PMAS, Arid Agriculture University, Rawalpindi, Pakistan. 20-22 February 2024.
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Key Initiatives

Established the first soil museum in the MNS University of Agriculture, Multan, to preserve and display soil diversity; to raise awareness about the importance of soil for national food security, ecosystem services, and environmental protection, and to spotlight major degradation challenges faced by the world's soils

Project Submitted

Project proposal submitted to Green ERA – HUB under crop and livestock Farming

Meeting the Challenge of Climate Change in collaboration with the Wheat Initiative and the Global Research Alliance on Agricultural Greenhouse Gases

Role: Team Lead/Co-PI

Submission: 04.09.2024

Cost of the Project: Euro 85000 /PKR 24.48 million