

Curriculum Vitae

Dr. Muhammad Farhan Saeed

PhD (Germany)

Post-Doctorate (China)



Associate Professor

Department of Environmental Sciences

COMSATS University Islamabad, Vehari Campus

Impact Factor (SCI) Total Score: 165

Research Interest:

I am an integrative thinker and enable a scientific platform for interdisciplinary and transdisciplinary research on complex and persistent problems of Environment and field Crops. I have an interest in exploring new horizons, and integration of science and social sciences. My research includes Pollution, Public health, Food contamination, Toxic compounds, and their remediation from soil and fertility issues.

PERSONAL

INFORMATION:

First Name Muhammad Farhan

Last Name Saeed

Date of Birth 1 November 1983

Passport Number BA5978623

Citizenship Pakistani

Languages English, Urdu, German, Arabic, Persian

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Experience 10 Years (Research and Teaching)

Address House No: K184/5-B fish farm road, Khurshid Chok, Lala Zar, Colony, Vehari (Pakistan)

CURRENT

STATUS:

1 October 2014 to Present.

Associate Professor (Tenured)

Department of Environmental Sciences

COMSATS University Islamabad, Vehari Campus (Pakistan)

EDUCATION:

Degree PhD

Years 2009-2013

Name of the **University of Kassel, Germany**

University

Principal subject Agricultural Sciences

Address Department of Ecological Plant Protection (Plant Pathology), Faculty of Organic Agriculture Sciences University of Kassel, Nordbahnhofstr. 1a, 37213-Witzenhausen, **Germany**

Dissertation Title "Seed health in organic peas and faba beans and management approaches to improve pea production in organic rotations"

Degree M.Sc (International Organic Agriculture)

Years	2007-2009
Name of the University	University of Kassel, Germany
Principal subject	Agricultural Sciences
Address	Faculty of Organic Agriculture Sciences University of Kassel, Nordbahnhofstr. 1a, 37213-Witzenhausen, Germany
Dissertation Title	"Isolation of seed-borne inoculum from organic pea (<i>Pisum sativum</i> L.) and faba bean (<i>Vicia faba</i> L.) seeds in Germany"
Degree	B.Sc (Hons)
Years	2002-2006
Name of the University	University of Agriculture, Faisalabad, Pakistan
Principal subject	Agriculture (Plant Pathology)
PROFESSIONAL EXPERIENCE:	
Position	Post-Doctorate
Specialization	Agricultural Resources and Environment
1 Duration	December 2017 to January 2021
University/Institute/ Organization	College of Land and Environment, Shenyang Agricultural University, China 120 Dongling Road Shenyang 110161 (Liaoning), China awardee by Liaoning Provincial Post-Doctoral Council
2 Duration	1 October 2013 to 30 September 2014
Position	Assistant Professor
University/Institute/ Organization	College of Agriculture (Sub Campus Layyah) Bahauddin Zakariya University, Multan, Pakistan
COMPUTER SKILLS:	Windows, Microsoft word, Excel, Power Point, Statistical Software; (SAS, SPSS and R), mfs-cluster, Zotero reference manager
AWARDS:	<ol style="list-style-type: none"> 1 Scholarship awarded by Higher Education Commission (HEC) and German Academic Exchange Service (DAAD) for M.Sc (IOA) International Organic Agriculture at University of Kassel, Germany (DAAD/A/07/97792) 2 Scholarship awarded by Higher Education Commission (HEC) and German Academic Exchange Service (DAAD) for PhD at University of Kassel, Germany (DAAD/A/07/97792) 3 Award of Post-Doctoral Scholarship by Liaoning Provincial Council, 2017- 4 2020 Research Productivity Award, 2017. COMSATS University Islamabad, Pakistan
BOOK PUBLICATIONS:	
Book (PhD Dissertation):	1. Saeed, M. Farhan (2013) Seed health in organic peas and faba beans and management approaches to improve pea production in organic rotations, Cuvillier Verlag Göttingen, Internationaler wissenschaftlicher, Fachverlag, Germany, ISBN 978-3-95404-440-5
Book chapters:	<ol style="list-style-type: none"> 2. Shahid, Muhammad, Ashfaq Ahmad, Sana Khalid, Hafiz Faiq Siddique, Muhammad Farhan Saeed, Muhammad Rizwan Ashraf, Muhammad Sabir et al. "Pesticides Pollution in Agricultural Soils of Pakistan." In Soil Science: Agricultural and Environmental Perspectives, pp. 199-229. Springer International Publishing, 2016; https://doi.org/10.1007/978-3-319-34451-5_9 3. Ali, S., Aqueel, M.A., Saeed, M.F., Shakeel, Q., Raheel, M., Ullah, M.I. (2022). Utilization of Entomopathogenic Bacteria for Modern Insect Pest Management. In: Mandal, S.D., Ramkumar, G., Karthi, S., Jin, F. (eds) New and Future Development in Biopesticide Research: Biotechnological Exploration. Springer, Singapore. https://doi.org/10.1007/978-981-16-3989-0_3

4. Hafiz Muhammad Rashad Javeed, Mazhar Ali, Rafi Qamar, Muhammad Aqeel Sarwar, Raheela Jabeen, Muhammad Zahid Ihsan, Muhammad Shahid Ibrni Zamir, Muhammad Shahzad, Samina Khalid, **Muhammad Farhan Saeed**, Amjad Farooq & Ayman E. L. Sabagh (2023). Food Security Issues in Changing Climate. In: Jatoui, W.N., Mubeen, M., Hashmi, M.Z., Ali, S., Fahad, S., Mahmood, K. (eds) Climate Change Impacts on Agriculture. Springer, Cham. https://doi.org/10.1007/978-3-031-26692-8_6
5. Ahmad, I., Asad, U., Maryam, L., Masood, M., **Saeed, M.F.**, Jamal, A. and Mubeen, M., 2023. Treatment Methods for Lead Removal from Wastewater. In Lead Toxicity: Challenges and Solution (pp. 197-226). Cham: Springer Nature Switzerland. Environmental Science and Engineering, https://doi.org/10.1007/978-3-031-37327-5_10

PUBLISHED RESEARCH PAPERS IN INTERNATIONAL JOURNALS:

1. **Saeed, M.F***, Baćanović, J., Bruns, C., Schmidt, H. and Finckh, M.R., 2017. Seed health of organic peas and faba beans and its effects on the health of the harvested grains. *Journal of Plant Diseases and Protection*, 124(4), pp.331-337. **(IF.0.94)**
2. **Saeed, M.F***, Shaheen, M., Ahmad, I., Zakir, A., Nadeem, M., Chishti, A.A., Shahid, M., Bakhsh, K. and Damalas, C.A., 2017. Pesticide exposure in the local community of Vehari District in Pakistan: An assessment of knowledge and residues in human blood. *Science of the Total Environment*, 587, pp.137-144. **(IF. 5.58)**
3. Rafiq, M., Shahid, M., Shamshad, S., Khalid, S., Niazi, N.K., Abbas, G., **Saeed, M.F.**, Ali, M. and Murtaza, B., 2017. A comparative study to evaluate efficiency of EDTA and calcium in alleviating arsenic toxicity to germinating and young *Vicia faba* L. seedlings. *Journal of Soils and Sediments*, 18 (6) 2271–2281 **(IF. 2.66)**
4. Ahmad, I., Akhtar, M.J., Mehmood, S., Akhter, K., Tahir, M., **Saeed, M.F.**, Hussain, M.B. and Hussain, S., 2018. Combined application of compost and *Bacillus* sp. CIK-512 ameliorated the lead toxicity in radish by regulating the homeostasis of antioxidants and lead. *Ecotoxicology and environmental safety*, 148, pp.805-812. **(IF. 4.52)**
5. Amir, R.M., Anjum, F.M., Randhawa, M.A., Abbas, S. and **Saeed, M.F.**, 2016. Confiscation of heavy metal residues in cauliflower using washing solutions. *Quality Assurance and Safety of Crops & Foods*, 8(3), pp.379-383. **(IF. 0.73)**
6. Shah, G.M., Tufail, N., Bakhat, H.F., Imran, M., Murtaza, B., Farooq, A.B.U., **Saeed, F.**, Waqar, A. and Rashid, M.I., 2017. Anaerobic degradation of municipal organic waste among others composting techniques improves N cycling through waste-soil-plant continuum. *Journal of soil science and plant nutrition*, 17(2), pp.529-542. **(IF. 2.00)**
7. Ahmad, S.H.E.R., Ansar, M., Manaf, A., Qayyum, A., **Saeed, M.F.** and Irfan, M., 2014. Hydrocyanic acid and sugar content dynamics under nitrogen and sulphur application to forage sorghum cultivars. *Turkish Journal Of Field Crops*, 19(1), pp.46-52. **(IF. 0.69)**
8. Sami-UI-Allah, Abdus Salam Khan, **Muhammad Farhan Saeed**, Waseem Ashfaq, Muhammad Iqbal, Ghulam Mustafa Shah, Muhammad Naeem and M.A.R. Rashid (2014) "Genetic variability and correlation studies for seedling traits of wheat (*Triticum aestivum*) under controlled and water stress conditions" *Journal of Agriculture and Crop Research* 2(9), 173-180 **Non-IF**
9. Hayat, K., Afzal, M., Aqueel, M.A., Ali, S., **Saeed, M.F***, Qureshi, A.K., Ullah, M.I., Khan, Q.M., Naseem, M.T., Ashfaq, U. and Damalas, C.A., 2019. Insecticide toxic effects and blood biochemical alterations in occupationally exposed individuals in Punjab, Pakistan. *Science of The Total Environment*, 655, pp.102-111. **(IF. 5.58)**
10. Bharadwaj Hotur, S. K., Husain Mahmood, M. A., Rabia Akram, H., & **Farhan Saeed**, M. (2018). Consumer Protection in India–Need for Structured Reforms. *European Online Journal of Natural and Social Sciences: Proceedings*, 7(3 (s)), pp-221. **ISI**
11. Yang Wang, Ming Li, Jiubo Pei, Tingting An, **Muhammad Farhan Saeed**, Te Shan, Yingde Xu, Jingkuan Wang, (2019) Dynamics of maize straw–derived nitrogen in soil aggregates as affected by fertilization, *Journal of Soils and Sediments*, 19 (7) 2882–2890 **(IF. 2.66)**

12. Zejun Hao, Liangyi Jin, Yan Li, Hafiza Rabia Akram, **Muhammad Farhan Saeed**, Jun Ma, Haibo Ma, Jinzi Huang (2019) Alexithymia and mobile phone addiction in Chinese undergraduate students: The roles of mobile phone use patterns, *Computers in Human Behavior*, 97, 51-59 **(IF. 4.30)**
13. Sajjad Ali, Muhammad Irfan Ullah, **Muhammad Farhan Saeed**, Samina Khalid, Muhammad Saqib, Muhammad Arshad, Muhammad Afzal, Christos A. Damalas (2019) Heavy metal exposure through artificial diet reduces growth and survival of *Spodoptera litura* (Lepidoptera: Noctuidae) *Environmental Science and Pollution Research*, 26, 14,14426–14434 **(IF. 2.91)**
14. Jin, X., Gall, A.R., **Saeed, M.F.**, Li, S., Filley, T. and Wang, J., 2020. Plastic film mulching and nitrogen fertilization enhance the conversion of newly-added maize straw to water-soluble organic carbon. *Soil and Tillage Research*, 197, p.104527. **(IF. 4.67)**
15. Ahmad, I., Akhtar, M.J., Zakir, A., Hussain, M.B., Khaliq, A., **Saeed, M.F.**, Farooqi, M.A. and Ahmed, N., 2020. CO-INOCULATION OF BIOGAS SLURRY AND BACILLUS STRAIN CIK-515 IN IMPROVING NUTRIENT CONCENTRATION AND YIELD OF POTATO (*SOLANUM TUBEROSUM*). *PAKISTAN JOURNAL OF BOTANY*, 52(4), pp.1465-1472. **(IF. 0.80)**
16. Farooq, A., Nadeem, M., Abbas, G., Shabbir, A., Khalid, M.S., Javeed, H.M.R., **Saeed, M.F.**, Akram, A., Younis, A. and Akhtar, G., 2020. Cadmium partitioning, physiological and oxidative stress responses in marigold (*Calendula calypso*) grown on contaminated soil: Implications for phytoremediation. *Bulletin of Environmental Contamination and Toxicology*, 105(2), pp.270-276. **(IF. 1.65)**
17. **Saeed*, M.F.**, 2020. COVID-19 Associated Pneumonia Overview of Real Time Cases. *Acta Scientific Microbiology* 3, 06–07. **Non-IF**
18. Khalid, S., Shahid, M., Shah, A.H., Saeed, F., Ali, M., Qaisrani, S.A. and Dumat, C., 2020. Heavy metal contamination and exposure risk assessment via drinking groundwater in Vehari, Pakistan. *Environmental Science and Pollution Research*, 27(32), pp.39852-39864. **(IF. 3.05)**
19. **Saeed, M.F***, Jamal, A., Muhammad, D., Shah, G.M., Bakhat, H.F., Ahmad, I., Ali, S., Ihsan, F. and Wang, J., 2021. Optimizing Phosphorus Levels in Wheat Grown in a Calcareous Soil with the Use of Adsorption Isotherm Models. *Journal of Soil Science and Plant Nutrition*, 21, pp 81–94 **(IF. 2.15)**
20. Kamran, M., Ali, H., **Saeed, M.F.**, Bakhat, H.F., Hassan, Z., Tahir, M., Abbas, G., Naeem, M.A., Rashid, M.I. and Shah, G.M., 2020. Unraveling the toxic effects of iron oxide nanoparticles on nitrogen cycling through manure-soil-plant continuum. *Ecotoxicology and Environmental Safety*, 205, p.111099. **(IF. 4.87)**
21. **Saeed, M.F***, Jamal, A., Ahmad, I., Ali, S., Shah, G.M., Husnain, S.K., Farooq, A. and Wang, J., 2020. Storage Conditions Deteriorate Cotton and Wheat Seeds Quality: An Assessment of Farmers' Awareness in Pakistan. *Agronomy*, 10(9), p.1246. **(IF. 2.60)**
22. Wang, Y., Li, S., Xu, Y., Li, M., Shan, T., Zhang, W., Liu, X., **Saeed, M.F.** and Wang, J., 2020. Incorporated maize residues will induce more accumulation of new POC in HF compared with that in LF soils: a comparison of different residue types. *Journal of Soils and Sediments*, 20(11), pp.3941-3950. **(IF. 2.76)**
23. Ullah, M.I., Ali, S., Khalid, S., Mehmood, N., Aatif, H.M., Sajjad, A., **Saeed, M.F.**, Hanif, M.S., Muqaddas, H., Ahmad, M.H. and Zahid, S.M.A., 2021. RISK ASSESSMENT OF HEAVY METAL INDUCED TOXICITY IN HADDA BEETLE, *EPIPLACHNA VIGINTIOCTOPUNCTATA* (COCCINELLIDAE; COLEOPTERA). *FRESENIUS ENVIRONMENTAL BULLETIN*, 30(1), pp.103-111. **(IF. 0.66)**
24. Jin, L., Hao, Z., Huang, J., Akram, H.R., **Saeed, M.F.** and Ma, H., 2021. Depression and anxiety symptoms are associated with problematic smartphone use under the COVID-19 epidemic: The mediation models. *Children and Youth Services Review*, 121, p.105875. **(IF. 2.39)**
25. Gao, X., Xu, Y., Li, Z., Li, S., Tian, R., Li, H., Lal, R., Liu, L., **Saeed, M.F.** and Wang, J., 2021. Heteroaggregation of humic acid with montmorillonite in divalent electrolytes: effects of humic acid content and ionic concentration. *Journal of Soils and Sediments*, 21(3), pp.1317-1328. **(IF. 3.3)**
26. Farooqi, Z.U.R., Ahmad, I., Zeeshan, N., Ilić, P., Imran, M. and **Saeed, M.F.**, 2021. Urban noise assessment and its nonauditory health effects on the residents of Chiniot and Jhang, Punjab, Pakistan. *Environmental Science and Pollution Research*, 28(39), pp.54909-54921. **(IF. 3.05)**
27. Mihoub, A., Amin, A.E.E.A.Z., Motaghian, H.R., **Saeed, M.F.** and Naeem, A., 2021. Citric Acid (CA)–Modified Biochar Improved Available Phosphorus Concentration and Its Half-Life in a P-Fertilized Calcareous Sandy Soil. *Journal of Soil Science and Plant Nutrition*, 22, 465–474 **(IF. 3.87)**

28. Babar, Saba, Ghulam Jilani, Adil Mihoub, Aftab Jamal, Iftikhar Ahmad, Arshad Nawaz Chaudhary, **Muhammad Farhan Saeed**, and Tajwar Alam. "Bacterial Redox Cycling of Manganese in Calcareous Soil Enhances the Nutrients Bioavailability to Wheat." *Journal of Soil Science and Plant Nutrition* (2022): 1-9. **(IF. 3.87)**
29. Sadam Hussain, Shah Masaud Khan, Aftab Jamal, Adil Mihoub, **Muhammad Farhan Saeed**, Muhammad Shafique Khalid, Saba Babar & Sohail Ahmad, Improvement of Growth, Yield and Biochemical Properties of Potato (*Solanum tuberosum* L. "Montreal" and "Red Bull") by Foliar Application of Zinc Under Calcareous Soil Conditions. *Gesunde Pflanzen* (2022) **(IF. 1.1)**
30. Adil Zia; Fazal Munsif; Aftab Jamal; Adil Mihoub; **Muhammad Farhan Saeed**; Muhammad Fawad; Izaz Ahmad; Abid Ali, Morpho-Physiological Attributes of Different Maize (*Zea Mays* L.) Genotypes Grown Under Varying Salt Stress. *Gesunde Pflanzen* (2022) **(IF. 1.1)**
31. Majid Khan, Waseem Ahmed, Aftab Jamal, Muhammad Shafique Khalid, **Muhammad Farhan Saeed**, Adil Mihoub, Sohail Ahmad, Samina Khalid and Madiha Butt, POST HARVEST APPLICATION OF ALOE VERA GEL COUPLED WITH NEEM (*AZADIRACHTA INDICA*) LEAF EXTRACT MAINTAINS FRESH-CUT PEACH FRUIT QUALITY AND SHELF STORAGE STABILITY. *Journal of Xi'an Shiyou University, Natural Sciences Edition* (2022) <https://xianshiyoudaxuexuebao.com/1673-064x-xstdx-v65-i03/> **(IF. 0.23)**
32. Mihoub, A., Naeem, A., Amin, A. E. E. A. Z., Jamal, A., & **Saeed, M. F.** (2022). Pigeon Manure Tea Improves Phosphorus Availability and Wheat Growth through Decreasing P Adsorption in a Calcareous Sandy Soil. *Communications in Soil Science and Plant Analysis*, 1-12. **(IF. 1.32)**
33. Ahmad, I., Munsif, F., Mihoub, A., Jamal, A., **Saeed, M. F.**, Babar, S., ... & Zia, A. (2022). Beneficial effect of melatonin on growth and chlorophyll content in wheat (*Triticum aestivum* L.) Grown Under Salt Stress Conditions. *Gesunde Pflanzen*, 74(4), 997-1009. **(IF. 2.08)**
34. Ul Haq, I., Khan, A., **Saeed, M.F.** et al. Timing and Splitting of Nitrogen Compensated for the Loss in Grain Yield of Dual-Purpose Wheat Under Varied Cutting Heights. *Gesunde Pflanzen* (2022) **(IF. 2.08)**
35. Iqbal, W., Afridi, M.Z., Jamal, A., Mihoub, A., **Saeed, M.F.**, Székely, Á., Zia, A., Khan, M.A., Jarma-Orozco, A. and Pompelli, M.F., 2022. Canola Seed Priming and Its Effect on Gas Exchange, Chlorophyll Photobleaching, and Enzymatic Activities in Response to Salt Stress. *Sustainability*, 14(15), p.9377. **(IF. 3.88)**
36. Shah, A.H., Shahid, M., Tahir, M., Natasha, N., Bibi, I., Tariq, T.Z., Khalid, S., Nadeem, M., Abbas, G., **Saeed, M.F.** and Ansar, S., 2022. Risk assessment of trace element accumulation in soil and Brassica oleracea after wastewater irrigation. *Environmental Geochemistry and Health*, pp.1-14.4.89
37. Munir, A., Khan, S.M., Jamal, A., Mihoub, A., **Saeed, M.F.**, Ahmad, S., AlJwaizea, N.I., Abou El-Yazied, A., Selim, S. and Alharbi, K., 2022. EFFECT OF DIFFERENT PACKAGING STORAGE TECHNIQUES ON PHYSIOLOGICAL AND CHEMICAL CHANGES IN *Citrus sinensis* L. *Advances in Food Sciences*, 44 (2) 45-53, **ISI**
38. Sarim, Muhammad, Tayyab Jan, Seema Anjum Khattak, Adil Mihoub, Aftab Jamal, **Muhammad Farhan Saeed**, Somayeh Soltani-Gerdefaramarzi et al. "Assessment of the Ecological and Health Risks of Potentially Toxic Metals in Agricultural Soils from the Drosh-Shishi Valley, Pakistan." *Land* 11, no. 10 (2022): 1663. **(IF. 3.9)**
39. Khan, I., Jamal, A., Mihoub, A., Farooq, O., **Farhan Saeed, M.**, Roberto, M., Radicetti, E., Zia, A. and Azam, M., 2022. Partial Substitution of Chemical Fertilizers with Organic Supplements Increased Wheat Productivity and Profitability under Limited and Assured Irrigation Regimes. *Agriculture*, 12(11), p.1754. **(IF. 3.4)**
40. Ahmad, I., Ghaffar, A., Zakir, A., Khan, Z.U.H., **Saeed, M.F.**, Rasool, A., Jamal, A., Mihoub, A., Marzeddu, S. and Boni, M.R., 2022. Activated Biochar Is an Effective Technique for Arsenic Removal from Contaminated Drinking Water in Pakistan. *Sustainability*, 14(21), p.14523.3.88
41. Ali, S., Sajjad, A., Shakeel, Q., Farooqi, M.A., Aqueel, M.A., Tariq, K., Ullah, M.I., Iqbal, A., Jamal, A., **Saeed, M.F.***, Manachini, B. (2022). Influence of Bacterial Secondary Symbionts in *Sitobion avenae* on Its Survival Fitness against Entomopathogenic Fungi, *Beauveria bassiana* and *Metarhizium brunneum*. *Insects*, 13(11): 1037. **(IF. 3.13)**
42. Ahsan, M.; Zulfiqar, H.; Farooq, M.A.; Ali, S.; Tufail, A.; Kanwal, S.; Shaheen, M.R.; Sajid, M.; Gul, H.; Jamal, A.; **Saeed, M.F.**; Mancinelli, R.; Radicetti, E. Strigolactone (GR24) Application Positively Regulates Photosynthetic Attributes, Stress-Related Metabolites and Antioxidant Enzymatic

- Activities of Ornamental Sunflower (*Helianthus annuus* cv. Vincent's Choice) under Salinity Stress. *Agriculture* 2023, 13, 50. **(IF. 3.4)**
43. Ullah, I.; Ali, H.; Mahmood, T.; Khan, M.N.; Haris, M.; Shah, H.; Mihoub, A.; Jamal, A.; Saeed, M.F.; Mancinelli, R.; Radicetti, E. Pyramiding of Four Broad Spectrum Bacterial Blight Resistance Genes in Cross Breeds of Basmati Rice. *Plants* 2023, 12, 46. **(IF. 4.6)**
 44. Salman, M., Jamal, A., Mihoub, A., Saeed, M.F., Radicetti, E., Ahmad, I., Naeem, A., Ullah, J. and Pampana, S., 2023. Composting Sugarcane Filter Mud with Different Sources Differently Benefits Sweet Maize. *Agronomy*, 13(3), p.748. **(IF. 3.94)**
 45. Khan, A., Afridi, M. Z., Zia, A., Mihoub, A., **Saeed, M. F.**, Abbas, M., & Jamal, A. (2023). Morphophysiological Responses of Oat (*Avena sativa* L.) Genotypes from Pakistan's Semiarid Regions to Salt Stress. *Journal of Scientific Agriculture*, 7, 44–50. **Non-IF**
 46. Rasool, S.; Ahmad, I.; Jamal, A.; **Saeed, M.F.**; Zakir, A.; Abbas, G.; Seleiman, M.F.; Caballero-Calvo, A. Evaluation of Phytoremediation Potential of an Aquatic Macrophyte (*Eichhornia crassipes*) in Wastewater Treatment. *Sustainability* 2023, 15, 11533. **(IF. 3.90)**
 47. Mumtaz, S., Abbas, Y., Ahmad, I., Hassan, A., **Saeed, M.F.**, Yun, S., Almarhoon, Z.M., Shelkh, M., Hassan, A.M., Rosaiah, P. and Suneetha, M., 2023. Sugarcane-bagasse-ash in enhanced mesophilic Co-digestion for biogas and nutrient recovery: A concept of developing rural circular bioeconomy. *Environmental Research*, p.116691.**(IF. 8.30)**
 48. Jamal, A, **Saeed, M.F**, Mihoub, A, Hopkins, B.G, Ahmad, I and Naeem, A (2023) Integrated use of phosphorus fertilizer and farmyard manure improves wheat productivity by improving soil quality and P availability in calcareous soil under subhumid conditions. *Front. Plant Sci.* 14:1034421. **(IF. 5.60)**
 49. Khan, I.; Khan, M.I.; Hashim, S.; Fawad, M.; Jamal, A.; Seleiman, M.F.; Khan, H.; Gul, B.; Hussain, Z.; **Saeed, M.F.***; et al. Managing Weed–Crop Interactions Enhances Chickpea (*Cicer arietinum* L.) Chemical Components. *Plants* 2023, 12, 3073. **(IF. 4.50)**
 50. Alhammad, B.A.; Jamal, A.; Carlucci, C.; **Saeed, M.F.**; Seleiman, M.F.; Pompelli, M.F. Non-Conventional Oilseeds: Unlocking the Global Potential for Sustainable Biofuel Production. *Catalysts* 2023, 13, 1263. **(IF. 3.90)**
 51. Qureshi, A.K.; Farooq, U.; Shakeel, Q.; Ali, S.; Ashiq, S.; Shahzad, S.; Tariq, M.; Seleiman, M.F.; Jamal, A.; **Saeed, M.F.**; et al. The Green Synthesis of Silver Nanoparticles from *Avena fatua* Extract: Antifungal Activity against *Fusarium oxysporum* f.sp. *lycopersici*. *Pathogens* 2023, 12, 1247.**(IF. 3.70)**
 52. Daraz U, Ahmad I, Li QS, Zhu B, **Saeed MF**, Li Y, Ma J, Wang XB. Plant growth promoting rhizobacteria induced metal and salt stress tolerance in Brassica juncea through ion homeostasis. *Ecotoxicology and Environmental Safety*. 2023 Nov 15;267:115657.**(IF. 6.80)**
 53. Ullah, S., Shah, S., Jamal, A., **Saeed, M.F.**, Mihoub, A., Zia, A., Ahmed, I., Seleiman, M.F., Mancinelli, R. and Radicetti, E., 2024. Combined Effect of Biochar and Plant Growth-Promoting Rhizobacteria on Physiological Responses of Canola (*Brassica napus* L.) Subjected to Drought Stress. *Journal of Plant Growth Regulation*, pp.1-19.**(IF. 4.80)**
 54. Khaliq, A., Shehzad, M., Huma, M.K., Tahir, M.M., Javeed, H.M.R., **Saeed, M.F.**, Jamal, A., Mihoub, A., Radicetti, E. and Mancinelli, R., 2024. Synergistic Effects of Urea, Poultry Manure, and Zeolite on Wheat Growth and Yield. *Soil Systems*, 8(1), p.18.**(IF. 3.50)**
 55. Ahsan, M., Younis, A., Raheel, M., Khalid, I., Abbas, H.T., Ashraf, W., Mihoub, A., Radicetti, E., **Saeed, M.F.**, Ali, S. and Valipour, M., 2024. Morpho-physiological and enzymatic responses of Zinnia (*Zinnia elegans* L.) to different metal Hoarded wastewaters. *Journal of Soil Science and Plant Nutrition*, pp.1-14.**(IF. 3.90)**
 56. ENHANCING WHEAT PERFORMANCE THROUGH PHOSPHORUS AND ZINC MANAGEMENT STRATEGIES UNDER VARIED IRRIGATION REGIMES. *Environment, Development and Sustainability* (2024) (Accepted) **(IF. 4.70)**

**PUBLISHED
CONFERENCE
S
ABSTRACTS:**

- 1) M.F. Saeed, C. Bruns, H. Schmidt, and M.R. Finckh. **Effects of species and amounts of seed-borne pathogens on the pathogens associated with the harvested crop in organic pea (*Pisum sativum* L.) and faba bean (*Vicia faba* L.)** in German Plant Protection Conference held in Humboldt-University (Julius Kuhn-Institut) Berlin, Berlin, Germany on 6-9 September 2010. *Journal Julius-*

Kühn-Archiv 2010 No. 428 pp. 449-450 , ISBN: 9783930037681, ISSN: 1868-9892,

URL <http://pub.jki.bund.de/index.php/JKA/issue/archive>, Record Number 20123027254

- 2) M. R. Finckh, **M. F. Saeed** and C. Bruns Titled **“Diseases of the Grain legumes and their regulation” On Field day “Soil Fertility and Legumes Farming”** at (HTW) School of Engineering Sciences, Dresden and Faculty of Agriculture / Landscape FG Organic farming, 21 May 2010 in Köllitsch, 01326-Dresden, Germany
- 3) M.F. Saeed, C. Bruns, H. Schmidt, and M.R. Finckh **“Seed-borne Pathogens Associated with Organic Pea (*Pisum Sativum* L.) and Faba Bean (*Vicia Faba* L.) ”** in Tropentag Conference held in University of Bonn, Bonn, Germany on 5-7 October 2011, Dr. Falko Feldmann, Dr. Christian Carstensen Deutsche Phytomedizinische Gesellschaft e. V. Messeweg 11/12 D-38104 Braunschweig, E-mail: geschaefsstelle@dpg.phytomedizin.org www.phytomedizin.org page 552
- 4) M. F. Saeed, C. Bruns, A. F. Butz, and M. R. Finckh **“Effect of Different Biofumigant Brassicas and Mixed Cropping of Pea and Oat on their Growth and Yield”**. in Tropentag Conference held in University of Bonn, Bonn, Germany on 5-7 October 2011 , Dr. Falko Feldmann, Dr. Christian Carstensen Deutsche Phytomedizinische Gesellschaft e. V. Messeweg 11/12 D-38104 Braunschweig, E-mail: geschaefsstelle@dpg.phytomedizin.org, www.phytomedizin.org , page 539
- 5) **M. F. Saeed**, H. Schmidt, C. Bruns, A. F. Butz, and M. R. Finckh. Seed-borne inoculum of organic pea (*Pisum sativum* L.) and faba bean (*Vicia faba* L.) in Germany, presented in German Plant Protection Conference held in Technischen Universität Braunschweig, Germany on 10-14. September 2012, 58. Deutsche Pflanzenschutztagung "Pflanzenschutz – alternativlos", 10.-14. September 2012, Braunschweig, Journal Julius-Kuhn-Archiv, 438, 2012, page 142-143, URL <http://pub.jki.bund.de/index.php/JKA/article/view/692>
- 6) **M. F. Saeed**, C. Bruns, A. F. Butz, and M. R. Finckh. **Effects of mixed cropping, shallow tillage, and biofumigation brassicas on pea root diseases and yields in organic farming, presented** in German Plant Protection Conference held in Technischen Universität Braunschweig, Germany on 10-14. September 2012, 58. Deutsche Pflanzenschutztagung "Pflanzenschutz – alternativlos", 10.-14. September 2012, Braunschweig, Journal Julius-Kuhn-Archiv, 438, 2012, page 145-146, URL <http://pub.jki.bund.de/index.php/JKA/article/view/692>
- 7) DAAD-HEC International Summer School **“FOOD SECURITY IN TIMES OF CLIMATE CHANGE”** November 2-5, 2013 at Department of Biosciences, COMSATS Institute of Information Technology (CIIT) Park Road Islamabad, Pakistan
- 8) Muhmmad Farhan Saeed, Christian Bruns, Ghulam Mustafa Shah, Hafiz Fiaq Siddique Gul Bakhat, Muhamamd Shahid **Cultural Practices in organic farming system to improve pea production in Germany**, In 5th International Multidisciplinary Conference, Cot. 29-31 2015 at Imperial College of Business Studies, Canal Bank Road Near Bahria/Shahkam Chowk, Lahore, Pakistan
- 9) **“1st International Conference on Biofertilizers and Biopesticides” Organized by** 1) Asian Productivity Organization 2) Council of Agriculture, Executive Yuan (COA) 3) China Productivity Center (CPC) and 4) Agricultural Technology Research Institute (ATRI), 23-26 August 2016 at **National Chung Hsing University, Taichung, Taiwan (ROC)**
- 10) Khan, M.A., Nadeem, M. and **Saeed M.F.** 2017. **Globesity in the era of Fast Food Generation- the new international pandemic.** 5th International Conference on “Food & Nutritional Security – Impact of climate change (FNCS-2017) & Food and

Nutrition Expo. Institute of Home & Food Science, Government College University, Faisalabad-Pakistan. March 07-08, 2017

- 11) **Saeed, M. F.** , Khan, W. A. , Nadeem, M. , Ahmad, I. , Ali, Z. (2017). '**Assessment of Milk Quality in Vehari: Evaluation of Public Health Concerns**'. World Academy of Science, Engineering and Technology, International Science Index, Medical and Health Sciences, 3(4), 2017.

**PUBLISHED
CONFERENCE
PAPERS:**

- 1) M. R. Finckh, **M. F. Saeed**, H. Schmidt, and C. Bruns. "**Seed-borne inoculum of organic pea (*Pisum sativum* L.) and faba bean (*Vicia faba* L.) in Germany**". Paper was in the Proceedings of the 12th Scientific Conference published. Dr. D. Neuhoff, C. Stumm, S. Ziegler et al (Ed.) Contributions to the 12th Scientific Conference on Organic Agriculture, Perspectives of ecological land management, Wissenschaftstagung Ökologischer Landbau, Rheinische Friedrich-Wilhelms- Universität Bonn on 5- 8 March 2013, Year of publication: 2013, Verlag Dr. Köster, Berlin <http://orgprints.org/21414/> ISBN-13: 9783895748158
- 2) M. R. Finckh, **M. F. Saeed**, A. F. Butz, and C. Burns. "**Influence of mixed cropping with oats, shallow tillage and brassicaceae Biofumigations on weed patches, pea diseases and income in rotation with winter wheat**". Paper was in the Proceedings of the 12th Scientific Conference published. Dr. D. Neuhoff, C. Stumm, S. Ziegler et al (Ed.), Contributions to the 12th Scientific Conference on Organic Agriculture, Perspectives of ecological land management Wissenschaftstagung Ökologischer Landbau, Rheinische Friedrich-Wilhelms- Universität Bonn on 5- 8 March 2013, Year of publication: 2013, Verlag Dr. Köster, Berlin <http://orgprints.org/21416/> ISBN-13: 9783895748158

**RESEARCH
PROJECTS:**

Year	Title	Organization	Status
2009-2013	"Increasing income from organically produced crops through the optimisation of soil fertility management" (www.bodenfruchtbarkeit.org)	Federal Ministry of Food, Agriculture and Consumer Protection, Germany (BMELV)	Completed as Doctoral Fellow
2014	Farmers' knowledge and perceptions regarding storage of sowing seed health of cotton and wheat	HEC, Pakistan	Approved as PI
2021-2024	Integrated bioremediation technology for the co-contaminated soil with heavy metals and pesticides to enhance productivity and quality of Wheat	NRPU-HEC, Pakistan	Approved as PI

**MASTER
THESIS
SUPERVISION:**

Year	Name	MS Thesis Title	Status
2015	Waheed Aslam Khan	Systematic Assessment of Milk Quality in Vehari: Evaluation of Public Health Concerns	Completed
2016	Mussarat Shaheen	Pesticides Causing Intoxication in the Human Blood of the Inhabitants of District Vehari	Completed
2016	Muhammad Asim	Determination of Heavy Metals Residues in Blood Samples from Inhabitants of District Vehari	Completed
2016	Zeeshan Iqbal	Growth and yield Response of Local and Exotic Onion Varieties Grown under Organic and Conventional Practices	Completed
2016	Shabana Kouser	Prevalences and Risk factors of Hepatitis in city Vehari	Completed

2017	Farhana Kouser	Insecticide resistance in beneficial insects of Cotton	Completed
2019	Muhammad Sohail	Performance of PGPR and Bradyrhizobium Sp. Isolates against phthalic acid esters (PAEs) for the growth of soybean	Completed
2019	Misbah Hussain	Determination of lifestyle prevalence's and environmental factors for vitamin D deficiency in local women of District Vehari	Completed
2020	Faiza Shakoor	Effect of organic amendments on the toxicity of di-n-butylphthalate (DnBP) and bis(2-ethylhexyl) phthalate (DEHP) against the growth and performance of <i>Pheretima hawayana</i> .	Completed
2021	Muhammad Bilal Munir	Public perception and attitude for vaccination against covid-19 pandemic in lower Punjab Pakistan: A theory of planned behavior.	Completed
2022	Muhammad Usman Ali	Impact of Copping Strategies as a Mediator and Moderator between Occupational Burnout and Quality of Life Among Public Police	Completed
2023	Sultan Mehmood	Phytoremediation of Heavy Metal Contaminated Soil through Mulching and Intercropping of Brassica in Wheat.	Completed
2023	Humera Aslam	Investigating the role of Earthworms and Radish for the remediation of Pesticides and Heavy metals in Co-contaminated soil	Completed

INTERNATIONAL & NATIONAL TRAINING COURSES:

- 1) Participation in training course held under **DITSL** (German Institute for Tropical and Subtropical Agriculture) titled “**Quality management and marketing for agricultural commodities**” at University of Kassel, Germany (2008).
- 2) Participation in training course held under **DITSL** (German Institute for Tropical and Subtropical Agriculture) titled “**Certification for agricultural commodities and accreditation for certifying bodies**” at University of Kassel, Germany (2008).
- 3) Participation in a statistic software learning course “**Applied Statistic with R**” held at **University of Kassel, Germany** (11 to 13 October and 18 to 22 October).
- 4) Participation in DAAD Winter School titled “**Quality management along organic agri-value chains in developing countries, production, post-harvest technology, processing, marketing and trade**” at **University of Kassel, Germany** and the **DITSL** (German Institute for tropical and subtropical Agriculture) (2014)
- 5) Participation in training course held under CUI Vehari Campus on “**Occupational Health & Safety Awareness**” held at **COMSATS University Vehari Campus** on 13 April 2016
- 6) Participation in training course held under CUI Vehari Campus on “**ISO 14001:2004 Environmental Management System**” held at **COMSATS University Vehari Campus** on 13 April 2016
- 7) Participation in training workshop held under CUI Vehari Campus on “**SPS Compliance through Vegetables Supply Chain**” organized under **Phytosanitary risk Management program in Pakistan CAB International, Central and West Asia**, held at **COMSATS University Vehari Campus** on 31 August & 1 September 2016
- 8) Participation in training course held at College of Agriculture, Bahauddin Zakariya University (BZU) Layyah Campus on “**Bio-safety Training Workshop for**

- Young Scientists**” on 24 February 2014
- 9) Participation in Clinical Contaminant training online-course held by “**Behavioral-Based improvement solutions**” in July 2017
 - 10) Participation in training course held under **National Academy of Higher Education (Higher Education Commission, Pakistan)** on “**Online Teaching Level 1**” from 20 March 2021 to 10 April 2021.
 - 11) **Cross-border Agricultural e-Commerce for the Belt and Road Countries** is organized by CIFAL Shanghai and sponsored by the Ministry of Commerce of China, 18th November to 1st December, 2021 (Online)
 - 12) Presentation and panel Discussion in the **IFOAM 50th Anniversary Commemorative Conference and the ISOFAR International Scientific Workshops** in Goesan County, Chungbuk Province, South Korea from October 1st to 3rd , 2022.
 - 13) Recourse Person for **Two-days international hands-on Training workshop on scientific writing and data presentation** at UAF sub-Campus Burewala on Oct. 31 and Nov. 01, 2022

INTERNATIONAL/NATIONAL CONFERENCES/WORKSHOPS :

- 1) Participation in the conference of African-Asian support for students titled “**Consultancy and NGO’s-prospects for returning experts**” (13-15 June 2008) at University of Göttingen, **Germany**
- 2) International conference on sustainability in Agriculture, Food processing and consumption; participate in the workshop titled “**Procedure of inspection and certification in organic Agricultural**” (15-17 October 2009) at University of Kassel, **Germany**
- 3) Participation in the conference of African-Asian support for students titled “**Growing urbanization in developing countries and problems of water supply and wastewater management, career opportunities for returning workers**” (05-07 December 2008) at University of Göttingen, **Germany**
- 4) Participation in workshop titled “**Getting published in science**”– **Strategies for writing journal articles**, held at University of Kassel, **Germany** (8-9 May 2009).
- 5) Participation in **Cotton Leaf Curl Disease (CLCuD) Diagnostic & Resistance** 3 Days Workshop August 26-28, 2013 at Institute of Agricultural Sciences, The University of the Punjab, Lahore.
- 6) DAAD-HEC International Summer School “**FOOD SECURITY IN TIMES OF CLIMATE CHANGE**” November 2-5, 2013 at Department of Biosciences, COMSATS Institute of Information Technology (CIIT) Park Road Islamabad, Pakistan
- 7) “**1st International Conference on Biofertilizers and Biopesticides**” **Organized by** 1) Asian Productivity Organization 2) Council of Agriculture, Executive Yuan (COA) 3) China Productivity Center (CPC) and 4) Agricultural Technology Research Institute (ATRI), 23-26 August 2016 at **National Chung Hsing University, Taichung, Taiwan (ROC)**
- 8) Keynote Speaker, Seminar on “**Ten Principals of Plant Pathology**” held at University of Education, Vehari Campus on 28 February 2022
- 9) Visit as **Resource Person** for Trainings/lectures for the officers of Agriculture department at Regional Agricultural Economic Development Centre (RAEDC)

ADMINISTRATIVE DUTIES OF CAMPUS AT COMSATS-VEHARI:

1. Member of the Solid Waste Management (Pilot Project) Committee under the Chairmanship of District Coordination Officer (DCO), Vehari
2. Member Campus University-Industry Linkage Committee
3. Member Campus student affair committee
4. Convener Ethical Committee for Scientific Research
5. Convener Departmental Admission Committee
6. Convener Admission Interview Committee
7. Member Departmental Discipline Committee
8. Member Job Fair Committee

EDITOR AND REVIEWER:

1. Member of Editorial Board since 2014
2. Journal of Agricultural Science (www.ccsenet.org/jas) Published by Canadian Center of Science and Education ISSN 1916-9752 (Print) ISSN 1916-9760 (Online)
3. Plant Diseases
4. Quality and Quantity

**SCIENTIFIC
MEDIA
PROFILES:**

5. Sustainability
6. Healthcare
7. Agronomy

Institute website: <http://ww3.comsats.edu.pk/faculty/FacultyDetails.aspx?Uid=18789>

Scientific media: https://www.researchgate.net/profile/Muhammad_Farhan_Saeed

Google Scholar: <https://scholar.google.com/citations?hl=en&user=Twqb07cAAAAJ>

ORCID: <https://orcid.org/0000-0002-7144-6443>

Publons: <https://publons.com/researcher/3170690/dr-muhammad-farhan-saeed>

Web of Science Researcher ID: [AAC-2576-2019](#)
