Dr. ASIF AMEEN

Scientific Officer (PSDP Rice Project)
Pakistan Agricultural Research Council,
Rice Programme, KSK, Lahore, Pakistan.
Mobile: (+92) 0310-6059477
Email: asifameen2007@gmail.com

Personal Biodata

Date of Birth:	October 27, 1988
CNIC No:	32201-1468056-1
Passport No:	AV1200562
Nationality:	Pakistan
Domicile:	Layyah, Punjab
Religion:	Islam
Marital Status:	Married
Postal Address:	PARC Rice Programme, Rice Research Institute, Kala Shah Kaku, Lahore
Permanent Address:	Chak No. 377/TDA, P/O Rafiqabad, Tehsil Choubara, District Layyah

Education Background

Doctorate	**Ph.D. Crop Science – Agronomy** China Agricultural University, Beijing, China September 2014 – June 2018 CGPA: 3.55/4.00 **(89.22%)**
Masters	**M.Sc. (Hons.) Agriculture – Agronomy** University of Agriculture, Faisalabad, Pakistan September 2011 – September 2013 CGPA: 3.88/4.00 **(80.23%)**
Bachelor	**B.Sc. (Hons.) Agriculture – Agronomy** University of Agriculture, Faisalabad, Pakistan September 2007 – July 2011 CGPA: 3.73/4.00 **(78.02%)**
Intermediate	**F.Sc. (Pre- Medical)** Govt. College Chowk Azam (Layyah) September 2004– August 2006 Marks: 773/1100 **(70.27%)**
Matriculation	**Secondary School Certificate (Science)** Govt. Muslim High School Chowk Azam (Layyah) May 2002– July 2004 Marks: 625/850 **(73.53%)**

Professional Experience

- Currently working as Scientific Officer (PSDP Rice Project) at Pakistan Agricultural Research Council, Rice Programme, Kala Shah Kaku, Lahore, Pakistan **(30-06-2021 – To date)**
- One year teaching and research experience as Assistant Professor in the Deptt. of Agronomy, Gomal University, D.I. Khan, Pakistan **(22-11-2018 – 21-11-2019)**
- Four years' research experience during Ph.D. in College of Agronomy and Biotechnology, China Agricultural University, Beijing, China **(01-09-2014 – 19-06-2018)**
- Two months' experience as Technical Sales Officer in Syngenta (Multinational agrochemicals and seeds company) **(16-05-2014 – 19-07-2014)**
- Two months' experience as Internee in Ali Akbar Group (Local agrochemicals and seeds company) in Sales and Marketing Department **(28-03-2011 – 28-05-2011)**

Fellowships, Academic Distinctions and Awards

- Winner of **fully funded PhD scholarship by China Scholarship Council**, Ministry of Education, People's Republic of China
- Winner of **fully funded PhD scholarship by "TUBITAK"** (The Scientific and Technological Research Council), Turkey
- **First division** throughout the academic career
- Winner of **Top 10% Merit scholarship** during Master's degree
- Awarded **Punjab Educational Endowment Fund (PEEF) scholarship** by Govt. of Pakistan on the basis of excellent achievements in graduation (A financial support for master's degree)

Title of Doctorate and Master Thesis

- Sustainable production of energy sorghum and switchgrass on nutrient demand and supply basis in semiarid sandy wasteland **(Ph.D.)**
- Performance of different cultivars in direct seeded rice (*Oryza sativa* L.) in response to various seeding densities **(M.Sc. Hons.)**

Publications

A. Research Papers (Total IF: 76.658)

a) Papers Published in Journals

1. **Ameen A.,** J. Liu, L. Han, G.H. Xie (2019). Effects of nitrogen rate and harvest time on biomass yield and nutrient cycling of switchgrass and soil nitrogen balance in a semiarid sandy wasteland. Industrial Crops and Products, 136:1-10. **(IF: 6.449)**
2. **Ameen A.,** C. Tang, J. Liu, L. Han, G.H. Xie (2019). Switchgrass as forage and biofuel feedstock: Effect of nitrogen fertilization rate on the quality of biomass harvested in late summer and early fall. Field Crops Research, 235:154-162. **(IF: 6.145)**
3. **Ameen A.**, L. Han, G.H. Xie (2019). Dynamics of soil moisture, pH, organic carbon and nitrogen under switchgrass cropping in a semiarid sandy wasteland. Communications in Soil Science and Plant Analysis. 50:922-933. **(IF: 1.580)**
4. **Ameen A.**, C. Tang, L. Han, G.H. Xie (2018). Short-term response of switchgrass to nitrogen,

phosphorus, and potassium on semiarid sandy wasteland managed for biofuel feedstock. Bioenergy Research, 11:228-238. **(IF: 3.852)**

5. **Ameen A.**, X. Yang, F. Chen, C. Tang, D. Fu, S. Fahad, G.H. Xie (2017). Biomass yield and nutrient uptake of energy sorghum in response to nitrogen fertilizer rate on marginal land in a semi-arid region. Bioenergy Research, 10:363-376. **(IF: 3.852)**
6. **Ameen A.**, Z. Aslam, Q. Zaman, Ehsanullah, S.I. Zamir, I. Khan, M.J. Subhani (2014). Performance of different cultivars in direct seeded rice (*Oryza sativa* L.) with various seeding densities. American Journal of Plant Sciences, 5:3119-3128.
7. Tang C., B. Jiang, **A. Ameen**, X. Mo, Y. Yang, Z. Wang (2022). Life-cycle energy, economic, and environmental performance of diversified sweet potato-based cropping systems in South China. Agronomy 12(10):2340 **(IF: 3.949)**
8. Fang D., K. Guo, **A. Ameen**, S. Wang, J. Xie, J. Liu, L. Han (2022). A Root Density Tradeoff in an Okra-Assisted Subsurface Pipe Drainage System for Amelioration of Saline Soil. Agronomy, 12:866 **(IF: 3.949)**
9. Wang S., K. Guo, **A. Ameen**, D. Fang, X. Li, X. Liu, L. Han (2022). Evaluation of Different Shallow Groundwater Tables and Alfalfa Cultivars for Forage Yield and Nutritional Value in Coastal Saline Soil of North China. Life, 12:217 **(IF: 3.251)**
10. Wang S., D. Fang, **A. Ameen**, X. Li, K. Guo, X. Liu, L. Han (2021). Dynamics of spring regrowth and comparative production performance of autumn sowing sown fifty alfalfa cultivars in coastal saline soil of North China. Life, 11:1436 **(IF: 3.251)**
11. Tang C., **A. Ameen**, B. Fang, M. Liao, J. Chen, L. Huang, H. Zou, Z. Wang (2020). Nutritional composition and health benefits of leaf vegetable sweet potato in south China. Journal of Food Composition and Analysis, 96:103714 **(IF: 4.520)**
12. Waris M.I., A. Younus, **A. Ameen**, F. Rasool, M.Q. Wang (2020). Expression profiles and biochemical analysis of chemosensory protein 3 from *Nilaparvata lugens* (Hemiptera: Delphacidae). Journal of Chemical Ecology, 46:363-377 **(IF: 2.793)**
13. Sher A., L.G. Zhang, M.A. Noor, M. Nadeem, U. Ashraf, S.K. Baloch, **A. Ameen**, X.Y. Yuan, P.Y. Guo (2019). Nitrogen use efficiency in cereals under high plant density: manufacturing, management strategies and future prospects. Applied Ecology and Environmental Research, 17:10139-10153. (Review paper) **(IF: 0.816)**
14. Diallo B., L. Meng, C. Tang, **A. Ameen**, W. Zhang, G.H. Xie (2019). Biomass yield, chemical composition and theoretical ethanol yield for different genotypes of energy sorghum cultivated on marginal land in China. Industrial Crops and Products, 137:221-230. **(IF: 6.449)**
15. Tang C., X. Yang, X. Chen, **A. Ameen**, G.H. Xie (2018). Sorghum biomass and quality and soil nitrogen balance response to nitrogen rate on semiarid marginal land. Field Crops Research, 215:12-22. **(IF: 6.145)**
16. Adeel M., M. Zain, S. Fahad, M. Rizwan, **A. Ameen**, H. Yi, M.A. Baluch, J.Y. Lee, Y. Rui (2018). Natural and synthetic estrogens in leafy vegetable and their risk associated to human health. Environmental Science and Pollution Research, 25(36):36712-36723. **(IF: 5.190)**
17. Tang C., C. Sun, D. Fu, F. Chen, **A. Ameen**, G.H. Xie (2018). Effect of plant density on sweet and biomass sorghum production in semiarid marginal land. Sugar Technology, 20:312-322. **(IF: 1.872)**

18. Waris M.I., S. Ali, M.T. Qamar, H. Liu, **A. Ameen**, F.F. Zeng, H. Abdelnabby, A. Younas, M.Q. Wang (2018). Silencing of chemosensory protein gene NlugCSP8 by RNAi induces declining behavioral responses of *Nilaparvata lugens*. Frontiers in Physiology, 9:379. **(IF: 4.755)**
19. Chen F., **A. Ameen**, C. Tang, D. Fu, X. Yang, G.H. Xie (2017). Effects of nitrogen fertilization on soil nitrogen for energy sorghum cultivation on marginal land in Inner Mongolia, China. Agronomy Journal, 109:636-645. **(IF: 2.650)**
20. Amin A., W. Nasim, M. Mubeen, …, **A. Ameen**, et al. (2017). Optimizing the phosphorus use in cotton by using CSM-CROPGRO-cotton model for semi-arid climate of Vehari-Punjab, Pakistan. Environmental Science and Pollution Research, 24:5811-5823. **(IF: 5.190)**
21. Sher A., A. Basit, A. Khan, **A. Ameen**, S. Hussain, M.I. Ahmad, A. Shakoor, M. Abdullah (2016). Nitrogen use efficiency in maize (Zea mays L.) as affected by different organic amendments. Journal of Advanced Botany and Zoology. DOI: 10.15297/JABZ.V4I1.02
22. Saeed U., A. Sher, S. Hussain, A. Khan, **A. Ameen**, L. Jincai, A. Shakoor (2015). Impact of foliar application of boron on growth and yield of sunflower (Helianthus annuus L.) under different irrigation conditions. Academia Journal of Agricultural Research, 3:219-225.
23. Ali M.A., Z. Aslam, **A. Ameen**, Q. Zaman, A. Sher (2015). Bio-Efficacy of Fenoxaprop-P-Ethyl Along with Bispyribac Sodium to Control Weed Flora in Direct Seeded Rice. American–Eurasian Journal of Agricultural and Environmental Science, 15:2406-2413.
24. Zaman Q., Z. Aslam, **A. Ameen**, F. Nadeem, A. Sher, C. Tang, Ehsanullah, R. Ullah, S. Ali, M.I. Waris (2015). Variability of direct seeded rice cultivars in growth, productivity and kernel quality under different seeding depths. Journal of Advanced Botany and Zoology. DOI: 10.15297/JABZ.V3I4.06.
25. Nawaz S., A. Sher, A. Khan, L. Jincai, **A. Ameen**, A. Shakoor (2015). Effect of phosphorus and different irrigation regimes on the yield and yield components of maize (Zea mays L.). Academic Research Journal of Agricultural Science and Research, 3:267-271.

b) Manuscripts submitted and manuscripts under-preparation

1. **Ameen A**., M.S. Baloch, A. Khan. Morpho-physiological attributes, biomass production and chemical composition of ten sorghum cultivars grown as feedstock for bioethanol production. (Under preparation)
2. Hussain S., **A. Ameen**, M.E. Safdar, et al. Weed control and yield performance of direct-seeded rice with varying rates of herbicides. (Under review in Journal of Animal and Plant Science)
3. Wang S., P. Tan, **A. Ameen**, G. Jiang, et al. Ground water depth and harvest frequency affect alfalfa nitrogen uptake, water use and forage quality in coastal saline soil of North China. (Submitted to Journal of Ecology)
4. Wang S., P. Tan, **A. Ameen,** Y. Li, et al. Soil salt distribution response to shallow groundwater depth planted with alfalfa in coastal North China. (Submitted to Ecological Engineering)
5. Tang P., S. Wang, **A. Ameen**, et al. Effect of fertilization under ecological engineering of subsurface pipe drainage to improve agronomic traits of okra and compensate soil nutrients in coastal saline soil. (Submitted to Journal of Soil Science and Plant Nutrition)
6. Naeem A., S. Hussain, **A. Ameen,** M. Ali. Comparative performance of rice cultivars to different sowing methods at different locations. (Under preparation)

7. Tang C., B. Jiang, I. Ejaz, **A. Ameen,** R. Zhang, X. Mo, et al. Rapid quality evaluation and elite germplasm selection of sweetpotato using near-infrared spectroscopy chemometrics. (Under preparation)

B. Abstracts Published in National & International Conferences

1. **Ameen A**., A. Khan (2019). Switchgrass biomass and quality, nutrient cycling, and theoretical ethanol yield as affected by nitrogen fertilization and harvest time. In: Agricultural and Biological Sciences: Focusing Food Security and Climate Change. 1st International Conference, March 27-30, University of Haripur, Haripur, Pakistan, p. 30.
2. Naseer M.A., I. Afzal, **A. Ameen** (2019). Determination of loss in cotton seed quality during seed development at different sowing dates. In: Innovations in Agriculture: Nourishing Pakistan in Changing Climate. 15th PAS Forum Conference, February 13-15, University of Agriculture, Faisalabad, Pakistan, p. 165.
3. Aslam Z., **A. Ameen,** Ehsanullah, Q. Zaman, M. Rehman (2013). Performance of different rice cultivars in direct seeding at various seeding densities. In: Sustainable Crop Productivity: Threats and Options. 3rd Int. Conf. Pak. Soc. Agron., April 11-12, Ayub Agricultural Research Institute, Faisalabad, Pakistan, p. 45.
4. Hussain S., **A. Ameen**, M. Rehman, Q. Zaman (2013). Variation in germination and early seedling growth of wheat cultivars under salt stress. In: Agriculture in Arid Environment. Conference on Food Security in Arid Environment, March 25-26, Bahadur sub-campus Layyah, Bahauddin Zakariya University, Pakistan, p. 26.
5. Saifullah, M.S. Ullah, S. Hussain, **A. Ameen** (2013). Role of plant community composition (monoculture and mixture) in cereal crops grown under drought stress. In: Crop Modeling – An Artistic Tool for Risk Management in Agriculture. AgMIP – Pakistan Kickoff Workshop & International Seminar on Climate Change, June 4-6, UAF, Pakistan, p. 67.

C. Online Popular English Articles

1. **Ameen A** (2013). Role of humic acid in improving soil quality and plant health. https://agrihunt.com/articles/basics-of-agriculture/asif-ameen/
2. **Ameen A.,** Q. Zaman (2013). Problems of agriculture in Pakistan and their remedies. https://agrihunt.com/articles/basics-of-agriculture/asif-ameen-qamar-uz-zaman-2/

D. Informative Articles in Local Urdu Language

1. Aslam Z., **A. Ameen** (2012). The reality of Allelopathy and its future. Agricultural Digest, Oct-Dec 2012, University of Agriculture, Faisalabad, p. 17.
2. Aslam Z., **A. Ameen**, Q. Zaman (2012). Establishment of agricultural centres in Pakistan – A step towards development. Agricultural Digest, Oct-Dec 2012, University of Agriculture, Faisalabad, p. 54.

Research Projects

- Winner of research project (SRGP#2424) as Principal Investigator (PI) entitled "Assessment of growth and biomass of sorghum genotypes as feedstock for bioethanol production", sponsored by Higher Education Commission of Pakistan (2019-20) – **(Status:** Completed**)**

Research Interests

- Rice yield and quality improvement through Good Agricultural Practices (GAP)
- Plant nutrition, soil-plant nutrient cycling, nutrient-use efficiencies, soil nutrient balance
- Augmenting seed germination and growth through seed enhancement techniques
- Biomass crop production, biomass characterization, forage nutritional value

Computing Skills

Word processing (MS Word), Spread sheet (MS Excel), Presentation (MS PowerPoint), Statistical softwares (Statistix 8.1, SPSS Statistics 21), Graphical softwares (SigmaPlot, MS Excel), Windows installation (XP Professional, Windows Vista and Windows 8 and 10), Full ability to access internet (Email, Surfing, Chatting)

Courses Taught to Under- and Post-graduate Students

- Seed Science and Technology (M.S./Ph.D. Agronomy)
- Plant Physiology-II (M.Sc. Botany)
- Ecotourism (B.S. Environmental Science)

Supervision of B.S. Students for their Research Projects

Serial	Name of Student	Title of Project	Deptt./Institution	Year
1.	Ahmad Sultan Hayat	Effect of seed priming on emergence and early seedling growth of maize under salinity stress	Department of Agronomy, Gomal University, D.I. Khan	2019
2.	Muhammad Wajid	Emergence and early seedling growth of sorghum as influenced by seed priming and salinity stress	Department of Agronomy, Gomal University, D.I. Khan	2019

Services as Reviewer for Peer-reviewed Journals

- Frontiers in Plant Science (Switzerland), Agronomy Journal (USA), Biomass Conversion and Biorefinery (Germany), Agronomy (Switzerland), Sustainability (Switzerland), Environmental Monitoring and Assessment (Netherland), Pakistan Journal of Botany (Pakistan), Frontiers in Genetics (Switzerland), Pure and Applied Biology (Pakistan), and Pakistan Journal of Weed Science Research (Pakistan)

Membership of Learned Societies

- Regular member of Pakistan Agricultural Scientists Forum (PAS-Forum)

Short Courses and Academic Activities

- Two Weeks Course of Instructions in **Allelopathy for Crops** under Division of Education and Extension, University of Agriculture, Faisalabad
- Two Weeks Course of Instruction in **Saline Sodic Soils Problems and Management** under Division of Education and Extension, University of Agriculture, Faisalabad

- Two Weeks Course of Instruction in **Crop Management on Problem Soils** under Division of Education and Extension, University of Agriculture, Faisalabad
- **Certificate of Participation in Career Development Workshop** organized by The Agrarian Society & CDC, University of Agriculture, Faisalabad

Social Activities

- Selected as **Pakistani Ambassador** by China Agricultural University for **"One Belt One Road Summer Camping"** organized by Beijing Youth Federation
- **Certificate of Cricket Final Winner** in sports gala held by Institute of Horticultural Sciences, University of Agriculture, Faisalabad
- **Certificate of 5 kilometer running race winner** held at Olympic green park, Beijing by a Health Fitness Chinese Company
- **Certificate of participation in "Pakistan Students Badminton Competition"** held at China Agricultural University (CAU), Beijing
- **Certificate of participation in "Cricket Tournament"** held at Beijing Language and Culture University (BLCU), Beijing

References

Dr. Guanghui Xie (Ph.D. supervisor)
Professor, College of Agronomy & Biotechnology,
China Agricultural University, Beijing, China
Mobile: (+86) 13910556731; Office: (+86) 10-62734888
Email: xiegh@cau.edu.cn

Dr. Lipu Han (Ph.D. co-supervisor)
Associate Professor, Center for Agricultural Resources Research,
Chinese Academy of Sciences, China
Phone: (+86) 311-85825746
Email: lphan@sjziam.ac.cn

Dr. Shahbaz Hussain (PARC)
Principal Scientific Officer,
PARC Rice Programme, KSK, Lahore
Mobile: (+92) 0341-4659425
Email: shahbazh2007@gmail.com

Dr. Zubair Aslam (M.S. Supervisor)
Associate Professor,
Department of Agronomy, University of Agriculture, Faisalabad
Mobile: (+92) 0341-4659425
Email: shahbazh2007@gmail.com