

Prof. Dr. Amanullah, List of Significant Publications



Member of Editorial Boards in Peer Reviewed Journals:

1. Scientific Reports (**Impact Factor**)
2. Peerj USA (**Impact Factor**)
3. MDPI Agriculture (**Impact Factor**)

Publications:

Books (Author & Editor):

1. Amanullah (2010). Common Bean: The unexploited but the potential crop in northern Khyber Pakhtunkhwa, Pakistan (ISBN-10: 1456319116 & ISBN-13: 978-1456319113).
2. Akmal et al. (2014). Climate Change and Adaptation: Farmers' Experiences from Rainfed Areas of Pakistan, Inter Cooperation.
3. FAO (2016). Soil and Pulses: Symbiosis for Life. FAO, Rome-Italy (ISBN: 978-92-5-109501-0).
4. FAO and ITPS (2016). Voluntary Guidelines for Sustainable Soil Management (VGSSM), Rome, Italy.
5. Amanullah and Fahad (2017). Rice - Technology and Production. InTech, Rijeka, Croatia (ISBN: 978-953-51-5200-2).
6. FAO (2017). Unlocking the Potential of Soil Organic Carbon. FAO/IPCC (ISBN: 978-92-5-109759-5).
7. FAO and ITPS (2017). Global assessment of the impact of plant protection products on soil functions and soil ecosystems, Rome, FAO. 40 pp (ISBN 978-92-5-130031-2).
8. Amanullah and Fahad (2018). Nitrogen in Agriculture-Updates. InTech, London, UK (ISBN: 978-953-51-5398-6).
9. FAO (2018). Soil Pollution: a hidden reality. Rome, FAO. 142 pp. (ISBN 978-92-5-130505-8).
10. FAO (2018). Be the Solution to Soil Pollution. Rome, FAO. 32 pp.
11. VERMA, D.K., Amanullah, and S. BHARTY (2018). NUMERICAL EXAMPLES IN AGRONOMY. Weser Books, No.79737 Aussere, Weberstr. 5702763, Zittau, Germany (ISBN: 978-3-96492-048-5).
12. Pandey, V., Amanullah, and Sita Ram Mishra (2018). AGRICULTURAL METEOROLOGY AT A GLANCE. Weser Books, No.79737, Aussere,Weberstr. 5702763, Zittau, Germany (ISBN: 978-3-96492-084-3).
13. Amanullah and Fahad (2018). Corn - Production and Human Health in Changing Climate. InTech, London, UK (ISBN: 978-1-78984-156-5).
14. FAO (2019). Measuring and modelling soil carbon stocks and stock changes in livestock production systems – Guidelines for assessment. Version 1 – Advanced copy. Rome. 152 pp.
15. FAO (2019). Measuring and modelling soil carbon stocks and stock changes in livestock production systems – A scoping analysis for the LEAP work stream on soil carbon stock changes. Rome. 84 pp.
16. M. Sajid and Amanullah (2019). Citrus-Health Benefits and Production Technology. InTech, London, UK (ISBN: 978-1-78985-428-2).
17. FAO (2019). Water use of livestock production systems and supply chains – Guidelines for assessment (Draft for public review). Livestock Environmental Assessment and Performance (LEAP) Partnership. FAO, Rome, Italy.
18. FAO (2019). The International Code of Conduct for the Sustainable Use and Management of Fertilizers. Rome, FAO. 30 pp.
19. Dharmesh Verma, Brajendra, and Amanullah et al. (2019). Climate Smart Agriculture. JAYA, INDIA (ISBN: 9789388668033).

20. Ajay Kumar Singh and Amanullah. **2019**. Cropping systems and their evaluation. Weser Books, No.79737 Aussere, Weberstr. 57 02763, Zittau, Germany (ISBN: 978-3-96492-074-4).
21. Ajay Kumar Singh and Amanullah. **2019**. Crops and their cropping systems. Weser Books, No.79737 Aussere, Weberstr. 57 02763, Zittau, Germany (ISBN: 978-3-96492-075-1).
22. Amanullah and Shah Khalid. **2020**. Agronomy - Climate Change & Food Security. London, United Kingdom, IntechOpen (ISBN: 978-1-83881-222-5).
23. Pavel Krasilnikov, Miguel A. Taboada and Amanullah. **2021**. Fertilizer Use, Soil Health and Agricultural Sustainability. Agriculture MDPI (2.07 IF). Basel, Switzerland (ISSN: 2077-0472).
24. Shah Fahad et al. **2022**. Engineering Tolerance in Crop Plants Against Abiotic Stress. CRC Press, Taylor & Francis Group. Dehradun. (ISBN: 978-0-367-75009-1)

Chapters:

1. Amanullah and S. Khalid. **2016**. Integrated use of phosphorus, animal manures and biofertilizers improve maize productivity under semiarid condition. In: Marcelo L. Larramendy and S. Soloneski (ed.) *Organic Fertilizers - From Basic Concepts to Applied Outcomes*. InTech, Rijeka, Croatia. Pp: 137-155.
2. Amanullah, S. Fahad and S. Anwar et al. **2017**. Rice Crop Responses to Global Warming: An Overview. In: Amanullah and Shah Fahad (eds.) *Rice - Technology and Production*. In Tech, Rijeka, Croatia. Pp: 1-10.
3. Amanullah and S. Fahad. **2018**. Integrated Nutrient Management in Corn Production: Symbiosis for Food Security and Grower's Income in Arid and Semiarid Climates. In: Amanullah and Shah Fahad (eds.). *Corn - Production and Human Health in Changing Climate*. InTech, London, UK. Pp: 03-12.
4. Pandit, R., Parrota, J., Anker, Y., Coudel, E., et al. Chapter 6: Responses to halt land degradation and to restore degraded land. In **IPBES (2018)**: The IPBES assessment report on land degradation and restoration. Montanarella, L., Scholes, R., and Brainich, A. (eds.). Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem services, Bonn, Germany, pp. 629-764.
5. Shah Fahad et al. Major Constraints for Global Rice Production. In: In: Mirza Hasanuzzaman, Masayuki Fujita, Kamrun Nahar and Jiban Krishna Biswas, editors, *Advances in Rice Research for Abiotic Stress Tolerance*. Chennai: Woodhead Publishing, **2019**, pp: 1-21.
6. Amanullah, Hidayatullah, A. Jan, Z. Shah, M. J. Khan, B. Parmar and S. Fahad. Organic Carbon Sources and Nitrogen Management Improve Biomass of Hybrid Rice (*Oryza sativa* L.) Under Nitrogen Deficient Condition. In: Mirza Hasanuzzaman, Masayuki Fujita, Kamrun Nahar and Jiban Krishna Biswas, editors, *Advances in Rice Research for Abiotic Stress Tolerance*. Chennai: Woodhead Publishing, **2019**, pp. 447-468.
7. Muhammad Arif et al. Advances in Rice Research for Abiotic Stress Tolerance: Agronomic Approaches to Improve Rice Production under Abiotic Stress. In: Mirza Hasanuzzaman, Masayuki Fujita, Kamrun Nahar and Jiban Krishna Biswas, editors, *Advances in Rice Research for Abiotic Stress Tolerance*. Chennai: Woodhead Publishing, **2019**, pp: 585-614.
8. Amanullah and S. Khalid et al. Organic Matter Management in Cereals Based System: Symbiosis for Improving Crop Productivity and Soil Health. In: Lal R., Francaviglia R. (eds.) **Sustainable Agriculture Reviews-29**, Springer, Cham, **2019**, 29: 67-92.
9. Amanullah, Muhammad Ilyas, Haider Nabi, Muhammad Arif, Brajendra Parmar. Foliar Nutrients Management Improve Wheat (*Triticum aestivum* L.) Productivity in Semiarid Climates. In: Dharmesh Verma, Brajendra, and Amanullah et al. (2019). *Climate Smart Agriculture*. JAYA, INDIA, **2019**, pp: 107-137.
10. Imran, Amanullah, Bari A., Khan H., Ali R. (**2019**) Climatic Variability and Agronomic Cropping Pattern. In: Hasanuzzaman M. (eds) *Agronomic Crops*. Springer, Singapore, pp: 33-44.

11. Amanullah, Shah Khalid, Imran et al. 2020. Effects of Climate Change on Irrigation Water Quality. S. Fahad et al. (eds.), Environment, Climate, Plant and Vegetation Growth, https://doi.org/10.1007/978-3-030-49732-3_6.
12. M Arif et al. 2020. Biochar; a Remedy for Climate Change. S. Fahad et al. (eds.), Environment, Climate, Plant and Vegetation Growth. https://doi.org/10.1007/978-3-030-49732-3_8.
13. Tawaha et al. 2020. Improving Water Use Efficiency and Nitrogen Use Efficiency in Rice Through Breeding and Genomics Approaches. A. Roychoudhury (ed.), Rice Research for Quality Improvement: Genomics and Genetic Engineering, https://doi.org/10.1007/978-981-15-5337-0_15.
14. Tawaha et al. 2020. Soil Fertility Decline Under Climate Change. In: Shah Fahad et al. (eds.), Sustainable Soil and Land Management and Climate Change, CRC Press.
15. Imran and Amanullah et al. 2020. Micronutrient Biofortification in Rice for Better Quality. A. Roychoudhury (ed.), Rice Research for Quality Improvement: Genomics and Genetic Engineering, https://doi.org/10.1007/978-981-15-5337-0_28.
16. Imran and Amanullah et al. 2020. Improvement of Rice Quality via Biofortification of Selenium, Iron, and Zinc and Its Starring Role in Human Health. A. Roychoudhury (ed.), Rice Research for Quality Improvement: Genomics and Genetic Engineering, https://doi.org/10.1007/978-981-15-5337-0_32.
17. Tawaha et al. 2020. Biological nitrogen fixation in changing climate. In: Shah Fahad et al. (eds.). Sustainable Soil and Land Management and Climate Change, CRC Press.
18. Imran, Amanullah, Shah Khalid et al. 2021. Bio Fertilizer as A Tool for Soil Fertility Management in Changing Climate: In: dShah Fahad et al. (eds). Sustainable Soil and Land Management and Climate Change, CRC Press.
19. Imran, Amanullah, Shah Khalid et al. 2021. Application of Biochar For The Mitigation of Abiotic Stress-Induced Damages: In: Edited by Shah Fahad et al. (eds). Sustainable Soil and Land Management and Climate Change, CRC Press.
20. Imran and Amanullah et al. 2021. Relationship of soil physico chemical properties with elevation and geographical directions. IOP Conf. Ser. Earth Environ. Sci. 788 012172.
21. Imran, Shah Fahad, Amanullah, et al. 2021. Climate Change and Climate Smart Plants Production Technology. Climate Change and Plants: Biodiversity, Growth and Interactions (S. Fahad, Ed.). CRC Press.
22. Khanum, S., and Tawaha et al. 2021. Microbial Communication: A Significant Approach to Understand Microbial Activities, and Interactions. In: Arun Karnwal and Tawaha (eds.). Environmental Microbiology: Advanced Research and Multidisciplinary Applications. Bentham Science Publishers, Sharjah, U.A.E.
23. Alatrash, H., and A. R. Tawaha et al. 2021. Impact of Microbial Diversity on Environment. In: Arun Karnwal and Tawaha (eds.). Environmental Microbiology: Advanced Research and Multidisciplinary Applications. Bentham Science Publishers, Sharjah, U.A.E.
24. Shah Khalid, Amanullah, Nadia et al. 2021. Organic Production Technology of Rice. In: Sangeetha, Soyong, Thangadurai, and Tawaha (eds.). Organic Farming for Sustainable Development. CRC Press, Taylor and Frances, USA.
25. Tawaha et al. 2021. Weed Management in Organic Cropping Systems. In: Sangeetha, Soyong, Thangadurai, and Tawaha (eds.). Organic Farming for Sustainable Development. CRC Press, Taylor and Frances, USA.
26. Tawaha et al. 2021. Biological control. In: Shah Fahad et al. (eds). Developing Climate-Resilient Crops Improving Global Food Security and Safety. CRC Press.
27. Tawaha et al. 2021. Soil salinity and climate change. In: Shah Fahad et al. (eds.). Sustainable Soil and Land Management and Climate Change, CRC Press.
28. Shah Khalid, and Amanullah et al. 2021. The Role of Organic Mulching and Tillage in Organic Farming. In: Sangeetha, Soyong, Thangadurai, and Tawaha (eds.). Organic Farming for Sustainable

- Development. CRC Press, Taylor and Frances, USA.
29. Imran and Amanullah et al. **2021**. Use of Biochar in Agriculture: An Inspiring Way in Existing Scenario. In: Sangeetha, Soyong, Thangadurai, and Tawaha (eds.). Organic Farming for Sustainable Development. CRC Press, Taylor and Frances, USA.
 30. Imran and Amanullah et al. **2021**. Organic Amendments: Right Way to Soil Sustainability. In: Sangeetha, Soyong, Thangadurai, and Tawaha (eds.). Organic Farming for Sustainable Development. CRC Press, Taylor and Frances, USA.
 31. Tawaha et al. **2022**. Production of Plant Hormones from Microorganism. In Microbial Fertilizer Technology for Sustainable Crop Production. Editors: Sangeetha, J. and Tawaha et al., AAP/CRC Press, Taylor and Frances, USA.
 32. Imran et al. **2022**. Agricultural Applications of the Arbuscular Mycorrhizal Fungi (AMF) for Commercial Advantage in the Agricultural Ecology. In Microbial Fertilizer Technology for Sustainable Crop Production. Editors: Sangeetha, J. and Tawaha et al., AAP/CRC Press, Taylor and Frances, USA.
 33. Sane, K.O. and A. R. Tawaha et al. **2022**. Potential Use of Mycorrhizal Fungi in Agricultural Ecosystems: An Overview. In Microbial Fertilizer Technology for Sustainable Crop Production. Editors: Sangeetha, J. and Tawaha et al., AAP/CRC Press, Taylor and Frances, USA.
 34. Alatrash, H., and A. R. Tawaha et al. **2022**. Rhizobia as Plant Growth Promoting Biofertilizers. In Microbial Fertilizer Technology for Sustainable Crop Production. Editors: Sangeetha, J. and Tawaha et al., AAP/CRC Press, Taylor and Frances, USA.
 35. Tawaha et al. **2022**. Sal (*Shorea robusta* Gaertn. f.). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
 36. Tawaha et al. **2022**. *Madhuca longifolia* (synonyms, *Madhuca indica* Gmelin). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
 37. Khanum, S., and Tawaha et al. **2022**. Rocket Salad (*Eruca sativa* Mill). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
 38. Khanum, S., and Tawaha et al. **2022**. *Crambe hispanica* subsp. *abyssinica* (Hochst. ex R.E.Fr.) Prina. In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
 39. Khanum, S., and Tawaha et al. **2022**. *Prunus armeniaca* (wild apricot). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
 40. Khanum, S., and Tawaha et al. **2022**. Role of AMF in Sustainable Agriculture. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
 41. Khanum, S., and Tawaha et al. **2022**. Arbuscular Mycorrhizal Fungi in Alleviation of Cold Stress in Plants. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
 42. Khanum, S., and Tawaha et al. **2022**. Arbuscular Mycorrhiza in Citrus. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
 43. Khanum, S., and Tawaha et al. **2022**. Mycorrhizal Role in Phosphorus Metabolism. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.

44. Khanum, S., and Tawaha et al. **2022**. Arbuscular Mycorrhizal (AM) Biotechnology and its Applications. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
45. Khanum, S., and Tawaha et al. **2022**. Mycorrhiza as Biocontrol Agent. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
46. Khanum, S., and Tawaha et al. **2022**. Arbuscular Mycorrhiza under Biotic and Abiotic Stress. In MYCORRHIZAL TECHNOLOGY: Managing Stress and Mitigating Climate using Mycorrhizae for Sustainable Agricultural Development. Editors: Sangeetha, Tawaha and Thangadurai, AAP/CRC Press, Taylor and Frances, USA.
47. Khanum, S., and Tawaha et al. **2022**. Cereal Physiology, Flowering and Grain Yield under abiotic Stress imposed by Different Heavy Metals. In: Roychoudhury, Aftab, and Acharya (eds). Omics Approach to Manage Abiotic Stress in Cereals, Springer, Singapore.
48. Alatrash H., and Tawaha et al. **2022**. Abiotic Stress Response and Adoption of Triticale. In: Roychoudhury, Aftab, and Acharya (eds). Omics Approach to Manage Abiotic Stress in Cereals, Springer, Singapore.
49. Hajjar, N., and Tawaha et al. **2022**. Niger, *Guizotia abyssinica* (L.f.) Cass In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
50. Tawaha et al. **2022** ABYSSINIAN MUSTARD (*Brassica carinata*). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
51. Tawaha et al. **2022** Jerusalem Artichoke (*Helianthus tuberosus* L.). In: Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. Oilseed Crops. Godswill Ntsomboh Ntsefong (editors). Springer Nature Switzerland AG.
52. Amanullah and Shah Khalid et al. **2022**. Effect of environmental pollution on plant growth. In: Shah Fahad et al. (eds.). Improvement of Plant Production in the Era of Climate Change. Taylor and Frances Group.
53. Amanullah and Shah Khalid et al. **2022**. Effect of climate change on cereals crops. In: Shah Fahad et al. (eds.). Improvement of Plant Production in the Era of Climate Change. Taylor and Frances Group.
54. Tawaha et al. **2022**. Plant-microbe interaction under climate change. In: Shah Fahad et al. (eds.). Improving Global Food Security and Safety. CRC Press.
55. Tawaha et al. **2022**. Legume Production and Climate Change. In: Shah Fahad et al. (eds.). Improvement of Plant Production in the Era of Climate Change. CRC Press.
56. Tawaha et al. **2022**. Pollinators Ecology and Management. In: Shah Fahad et al. (eds.). Climate Change and Ecosystems Challenges to Sustainable Development. CRC Press.

Publications in Impact Factor Journals:

International Journals with Impact Factor (97):

1. **Amanullah**, H. Rahman, Z. Shah and P. Shah. **2008**. Effects of plant density and N on growth dynamics, light interception and yield of maize. Archives of Agronomy and Soil Science. 54(4): 401-411.
2. **Amanullah**, R. A. Khattak and S. K. Khalil. **2009**. Effects of plant density and N on phenology and yield of maize. Journal of Plant Nutrition. 32(2): 246-260.
3. Rehman, S., S.K. Khalil, A. Rahman and **Amanullah**. **2009**. Micro-watershed enhances rain water use efficiency, phenology and productivity of wheat under rainfed condition. Soil & Tillage Research. 104: 82-87.

4. **Amanullah** and Muhammad Asif. **2009**. Effects of P-fertilizer source and plant density on growth and yield of maize in Northwestern Pakistan. *Journal of Plant Nutrition*. 32(12): 2080-2093.
5. **Amanullah**, M. Yasir, A. Z. Khan and M. Tariq Jan. **2010**. Phenology, growth, and grain yield of maize as influenced by foliar applied urea at different growth stages. *Journal of Plant Nutrition*. 33(1): 71-79.
6. **Amanullah** and P. Shah. **2010**. Timing and rate of nitrogen application influence grain quality and yield in maize planted at high and low densities. *J. Sci. Food & Agric*. 15(1): 21-29.
7. **Amanullah**, L.K. Almas and P. Shah. **2010**. Timing and rate of nitrogen application influence profitability of maize planted at low and high densities in Northwest Pakistan. *Agronomy Journal*: 102(2): 575-579.
8. Tariq, M., A. Akbar, Lataf-ul-Haq and **Amanullah**. **2010**. Comparing Application Methods for Boron-Fertilizer on the Yield and Quality of Tobacco. *Comm. Soil Sci. Plant Anal*. 41: 1525-1537.
9. Usman, K., S.K. Khalil, A.Z. Khan, I.H. Khalil, A. Khan, and **Amanullah**. **2010**. Tillage and herbicide impact on weed control and wheat yield under rice-wheat cropping system in Northwestern Pakistan. *Soil and Tillage Research*. 110: 101-107.
10. **Amanullah** and Mir Wali. **2010**. Interactive effects of potassium and phosphorus application on phenology and grain yield of sunflower in Northwest Pakistan. *Pedosphere*. 20: 674-680.
11. **Amanullah**, M. Zakirullah, and S.K. Khalil. **2010**. Timing and rate of phosphorus application influence maize phenology, yield and profitability in Northwest Pakistan. *Int. J. Plant Production*. 4(4): 281-292.
12. **Amanullah** and A. Khan. **2010**. Performance of wheat cultivars sown at different seeding rates under moisture stress conditions. *Archives of Agronomy and Soil Science*. 56(1): 99-105.
13. **Amanullah** and P. Shah. **2010**. Nitrogen rates and its time of application influence dry matter partitioning and grain yield in maize planted at low and high densities. *Journal of Plant Nutrition*. 34: 224-242.
14. Jan, A., and **Amanullah**. **2011**. Wheat response to farm yard manure and nitrogen fertilization under moisture stress conditions. *Journal of Plant Nutrition*. 34: 732-742.
15. **Amanullah** and Hassan. **2011**. Phenology and seed quality response of rape (*B. napus*) versus mustard (*B. juncea*) to sulfur and potassium fertilization in northwest Pakistan. *Journal of Plant Nutrition*. 34: 1175-1185.
16. **Amanullah**, M. Hassan, S.S. Malhi. **2011**. Seed yield and yield components response of rape (*B. napus*) versus mustard (*B. juncea*) to sulfur and potassium fertilizer application in Northwest Pakistan. *J. Plant Nutr*. 34: 1164-1174.
17. **Amanullah** and Mir Wali Khan. **2011**. Interactive effect of potassium and phosphorus on grain quality and profitability of sunflower in Northwest Pakistan. *Pedosphere*. 21: 532-538.
18. Naila Chand and **Amanullah**. **2011**. Immunomodulatory and hepatoprotective role of feed added *Berberis lycium* in broiler chicks. *J. Sci. Food & Agric*. 91: 1737-1745.
19. S.K. Khalil and ... **Amanullah**. **2011**. Foliar boron enhances leaf chlorosis and does not affect pecan production and nut quality. *Journal of Plant Nutrition*. 34: 1811-1819.
20. Amanullah Jan and **Amanullah**. **2012**. Mungbean response to tillage systems and phosphorus management under moisture stress condition. *Journal of Plant Nutrition*. 35(1): 21-33.
21. Amanullah Jan and **Amanullah**. **2012**. Chickpea response to tillage systems and phosphorus management under dryland condition. *Journal of Plant Nutrition*. 35(1): 64-70.
22. **Amanullah**, M. Asif and L.K. Almas. **2012**. Agronomic efficiency and profitability of P-fertilizers applied at different planting densities of maize in Northwest Pakistan. *Journal of Plant Nutrition*. 35: 331-341.
23. Zahir Shah and **Amanullah**. **2013**. Soil amendments and seed priming influence nutrients uptake, soil properties, yield and yield components of wheat (*Triticum aestivum* L.) in alkali soils. *Soil Science and Plant Nutrition*. 59: 262-270.

24. Hidayatullah, **Amanullah**, A. Jan and Z. Shah. **2013**. Residual effect of organic nitrogen sources applied to rice on the subsequent wheat crop. *International Journal of Agronomy and Plant Production*. 4: 620-631.
25. **Amanullah** and B.A. Stewart. **2013**. Dry matter partitioning, growth analysis and water use efficiency response of oats (*Avena sativa* L.) to excessive nitrogen and phosphorus application. *J. Agr. Sci. Technology*. 15: 479-489.
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28. Amanullah Jan, M. Wasim and **Amanullah**. **2013**. Interactive effects of zinc and nitrogen application on wheat growth and grain yield. *Journal of Plant Nutrition*. 36: 1506-1520.
29. Shad Khan Khalil...and **Amanullah**. **2014**. Water harvesting through micro-watershed for improved production of wheat (*Triticum aestivum* L.) in semiarid region of Northwest, Pakistan. *Soil and Tillage Research*. 138: 85–89.
30. **Amanullah**. **2014**. Source and rate of nitrogen application influence agronomic N-use efficiency and harvest index in maize (*Zea mays* L) genotypes. *Maydica*. 59: 80-89.
31. **Amanullah**. **2014**. Wheat and rye differ in dry matter partitioning, shoot-root ratio and water use efficiency under organic and inorganic soils. *Journal of Plant Nutrition*. 37:1885–1897.
32. **Amanullah**. **2014**. Crop growth rate differs in warm season C₄-grasses grown in pure and mixed stands. *African J of Biotechnology*. 13(30): 3036-3051.
33. **Amanullah**. **2014**. Effects of variable nitrogen source and rate on leaf area index and total dry matter accumulation in maize (*Zea mays* L.) genotypes under calcareous soils. *Turkish Journal of Field Crops*. 19(2): 276-284.
34. **Amanullah**, B.A. Stewart and Hidayatullah. **2015**. Cool season C₃-grasses (Wheat, Rye, Barley, and Oats) differ in shoot: root ratio when applied with different NPK sources. *Journal of Plant Nutrition*. 38: 189–201.
35. **Amanullah** and B.A. Stewart. **2015**. Analysis of growth response of cool season cereals “wheat vs. rye” grown in organic and inorganic soils. *Emirates J. Food & Agric*. 27(5): 430-440.
36. Asif Iqbal, **Amanullah** and M. Iqbal. **2015**. Impact of potassium rates and their application time on dry matter partitioning, biomass and harvest index of maize (*Zea mays*) with and without cattle dung application. *Emirates J. Food & Agric*. 27(5): 447-453.
37. **Amanullah**, I. Khan, A. Jan, M.T. Jan, S.K. Khalil, Z. Shah and M. Afzal. **2015**. Compost and nitrogen management influence productivity of spring maize (*Zea mays* L.) under deep and conventional tillage systems in Semi-arid regions. *Comm. Soil Sci. Plant Analysis*. 46 (12):1566-1578.
38. **Amanullah**. **2015**. Specific leaf area and specific leaf weight in small grain crops “Wheat, Rye, Barley, and Oats” differ at various growth stages and NPK Source. *Journal of Plant Nutrition*. 38: 1694–1708 (DOI: 10.1080/01904167.2015.1017051).
39. **Amanullah** and Adil Khan. **2015**. Phosphorus and compost management influence maize (*Zea mays*) productivity under semiarid condition with and without phosphate solubilizing bacteria. *Frontiers in Plant Science (Plant Biotic Interactions)*. 6: 1083 (open access).
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41. **Amanullah**, and S. Khalid. **2015**. Phenology, growth and biomass yield response of maize (*Zea mays* L.) to integrated use of animal manures and phosphorus application with and without phosphate

- solubilizing bacteria. *J Microb. Biochem. Technol.* 7: 439-444. DOI:10.4172/1948-5948.1000251.
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