

BABAR IQBAL

Email Id:agronomist19388@yahoo.com

**Cell: 0092-332-9860472
008618260626358**



Permanent Address: Mohallah Khandri Khel Village Garhi Daulat Zai
Post Office Garhi Kapura District and Tehsil Mardan.

Postal Address: C/O Haroon Khan Mohallah Allah Dad Khel Hoti Mardan.

Personal Statement:

To contribute to the society as an active member already due on my part and to utilize my expertise for taking further the progress achieved so far by my colleagues and seniors.

Education

2021.02-Still working; Jiangsu University; Post-Doctorate; Environmental science and Engineering (Invasive Ecology)

2016.09-2020.12; Nanjing Agricultural University; Doctor Degree; Agriculture (Agronomy)

Thesis title: Effects of phosphorus application rates on soil nutrient contents, dry matter accumulation and yield of cotton

2013.03-2015.03; The University of Agriculture Peshawar; Master Degree; Agriculture (Agronomy), GPA 3.89/4.0

Research title: Response of Triticale to phosphorus, sulphur and different irrigation levels

2009.01-2012.12; The University of Agriculture Peshawar; B.Sc (Hons), Agriculture (Agronomy), GPA: 3.81/4.00

Distinctions

- Chinese government scholarship for PhD study
- Jiangsu Government (China) Post Doctorate Fellowship

Working Experience

- 2012.06-2012.12; Internee in New Developmental Farm, The University of Agriculture, Peshawar on “Integrated Management of Compost and Fertilizer Nitrogen in Maize”
- 2013.11-2014.12; Research experience on “Response of triticale to phosphorus, sulphur and different irrigation levels”
- 2013.06-2015.01; English and Science Teacher in Army public school and college system
- 2015.04-2016.06; Regional Sales Manager in Friends Agro Chemicals
- 2016.09-2020.12; Nanjing Agricultural University, Jiangsu, P.R. China

Awards:

Best academic performance “Umeed-e-Pakistan talent tribute 2011” from study aid foundation for excellence, The University of Agriculture Peshawar by Prof Dr. Muhammad Naeem Vice Chancellor on 5th October 2011 in University auditorium Hall

Merit academic certificate from The Society of Young Agronomist, The University of Agriculture Peshawar for taking 2nd position in MSc (Hons) Ist Year

Skills:

Language: PASHTO (Mother tongue), URDU, ENGLISH

Computers: MS Office (Word, Excel and PowerPoint), Statistix 8.1, Sigma plot 12.5, R package 3.6.1

Technical: Field Crop Experimentation, Seed Physiology, Stress Agronomy, Mineral /Nutrition, Soil Fertility and Plant Nutrition, Crop Environment, Sustainable Agriculture, Water Relations in plant, Herbicides in Kharif Crops, Experimental Design and Analysis, Agro-Technology of Major Crops, Field Crop Physiology, Plant Nutrients and Growth Regulators, Farm Record Maintenance, Conservation Agronomy, Environment and Crop Production, Agro-Ecology, Research and Scientific Writing, Soil Water Plant Relationship

Major Research Interests

- Agronomy
- Weed Science
- Crop Ecology/Invasive Ecology
- Production and physiology of field crops (Cotton, Wheat, Maize and Rice)
- Field crop cultivars identification in the field and laboratory
- Plant nutrition (Cotton, Wheat, Rice, Maize and Triticale)
- Compost and organic manures
- Plant nutrients uptake and soil fertility
- Improvement of crop tolerance to abiotic stresses
- Antioxidant activities of crop plants

KEY STRENGTHS & ABILITIES:

- Teamwork
- Balances team and individual responsibilities
- Have the ability to work with team as well as in isolated environment
- Works with integrity and ethically
- Upholds organizational values
- Attendance Punctuality
- Is consistently at work and on time
- Excellent Presentation Skills
- Excellent Interpersonal skills
- Excellent working ability under any circumstances

Reviewer of International Journals

- International Journal of Plant and Soil Science
(<https://journalijpss.com/index.php/IJPSS>)
- Asian Journal of Research in Botany
(<https://journalajrib.com/index.php/AJRIB>)

- Plant Cell Biotechnology and Molecular Biology (<http://www.pcbmb.org/index-2.html>)

Editorial member of Journal

- Journal of Plant Science (<http://www.jplantsciences.org/editorialboard>)

Publications

1. **Babar Iqbal**, Fanxuan Kong, Inam Ullah, Saif Ali, Huijie Li, Jiawei Wang, Wajid Ali Khattak, Zhiguo Zhou. Phosphorus Application Improves Cotton Yield by Altering Soil Nutrients Status and Alleviating Phosphatases Activity. (Under processing, Ph.D. paper)
2. **Babar Iqbal**, Fanxuan Kong, Inam Ullah, Saif Ali, Huijie Li, Jiawei Wang, Wajid Ali Khattak, Zhiguo Zhou. Phosphorus deficiency limits the biomass accumulation and nutrient acquisition in two cotton cultivars with different phosphorus sensitivity. (Under processing, Ph.D. paper)
3. Saif Ali, Muhammad Umer Chattha, Muhammad Umair Hassan, Imran Khan, Muhammad Bilal Chattha, **Babar Iqbal**, Muzammal Rehman, Muhammad Nawaz, Muhammad Zubair Amin (2020). Growth, Biomass Production, and Yield Potential of Quinoa (*Chenopodium quinoa* Willd.) as Affected by Planting Techniques Under Irrigated Conditions. Int. J. Plant Prod. <https://doi.org/10.1007/s42106-020-00094-5>. IF (1.169)
4. **Babar Iqbal**, Fanxuan Kong, Inam Ullah, Saif Ali, Huijie Li, Jiawei Wang, Wajid Ali Khattak, Zhiguo Zhou. (2020) Phosphorus Application Improves the Cotton Yield by Enhancing Reproductive Organ Biomass and Nutrient Accumulation in Two Cotton Cultivars with Different Phosphorus Sensitivity. Agronomy, 10, 153. <https://doi.org/10.3390/agronomy10020153> IF (2.603) (Ph.D. paper)
5. Huijie Li, Jiawei Wang, Saif Ali, **Babar Iqbal**, Zhang He, Shanshan Wang, Binglin Chen, Zhiguo Zhou (2019) Agronomic traits at the seedling stage, yield and fiber quality in two cotton (*Gossypium hirsutum* L.) cultivars in response to phosphorus deficiency. Soil Science and Plant Nutrition. <https://doi.org/10.1080/00380768.2019.1709543>. IF (1.432)
6. Xinyue Zhang, Hongkun Yang, John L. Snider, Rizwan Zahoor, **Babar Iqbal**, Binglin Chen, Yali Meng and Zhiguo Zhou. (2018). A Comparative Study of Integrated Crop Management System vs. Conventional Crop Management System for Cotton Yield and Fiber Quality With Respect to Fruiting Position Under Different Soil Fertility Levels. Frontiers in Plant Sci. 9:958. <https://www.frontiersin.org/articles/10.3389/fpls.2018.00958>. IF (4.402)
7. Rizwan Zahoor, Wenqing Zhao, Haoran Dong, John L. Snider, Muhammad Abid, **Babar Iqbal**, Zhiguo Zhou (2017). Potassium improves photosynthetic tolerance to and recovery from episodic drought stress in functional leaves of cotton (*Gossypium hirsutum* L.). Plant Physiology and Biochemistry 119:21-32. <https://doi.org/10.1016/j.plaphy.2017.08.011> IF (3.720)
8. Izhar Ali, Asad Ali Khan, Imran, Inamullah, Aman Khan, Muhammad Asim, Ihtisham Ali, Bakhshah Zib, Ismail Khan, Abdul Rab, Gul Sadiq, Naveed Ahmad, and **Babar Iqbal** (2019). Humic Acid and Nitrogen Levels Optimizing Productivity

of Green Gram (*Vigna radiate* L.). Russian Agricultural Sciences, 45(1): 43–47.
[10.3103/S1068367419010051](https://doi.org/10.3103/S1068367419010051)

9. **Babar Iqbal**, Muhammad Tariq Jan, Inamullah, Imran, Asad Ali Khan, Zar Muhammad, Shazma Anwar, Shehryar Khan, Shamsuddin Baqa and Amjad Usman (2015). Integrated management of compost type and fertilizer-N in Maize. Pure and Applied Biology. 4(4):453-457. <http://dx.doi.org/10.19045/bspab.2015.44001>
10. Shamsuddin Baqa, Amir Zaman Khan, Inamullah, Imran, Asad Ali Khan, Shazma Anwar, **Babar Iqbal**, Shehryar Khan and Amjad Usman (2015). Influence of farm yard manure and phosphorus application on yield and yield components of wheat. Pure and Applied Biology. 4(4):458-464.
11. **Babar Iqbal**, Mohammad Tariq Jan, Zar Muhammad, Asad Ali Khan, Shazma Anwar, Imran and Khurrum Shahzad (2016). Phenological traits of maize influenced by integrated management of compost and fertilizer nitrogen. Pure and Applied Biology. 5(1):58-63. <http://dx.doi.org/10.19045/bspab.2016.50008>
12. Wasim Abbas, Shazma Anwar, Wasim Akram, Wajid Ali Shah, Mohammad Islam, **Babar Iqbal**, Ikramullah, Shehryar Khan, Wajid Ali Khattak, Sadam Hussain, Madeeha Alamzeb and Asif Iqbal (2016). Response of barley varieties to phosphorus and sulphur levels. Pure and Applied Biology. 5(2):247-254 <http://dx.doi.org/10.19045/bspab.2016.50032>
13. Shazma Anwar, Farjad Iqbal, Wajid Ali Khattak, Mohammad Islam, **Babar Iqbal** and Shehryar Khan (2016). Response of Wheat Crop to Humic Acid and Nitrogen Levels. EC Agriculture. 3(1): 558-565
14. **Babar Iqbal**, Bashir Ahmad, Inamullah, Imran, Asad Ali Khan, Shazma Anwar, Asad Ali, Khurrum Shahzad and Shehryar Khan (2016). Effect of phosphorus, sulphur and different irrigation levels on phenological traits of triticale. Pure and Applied Biology. 5(2):303-310 <http://dx.doi.org/10.19045/bspab.2016.50039>
15. Zar Muhammad, Gulzar Ahmad, **Babar Iqbal**, Subhanullah, Riaz Muhammad Khan, Abdul Bari and Shahan Shah (2016). Effect of Fertilizer Dose on the Performance of Spring Cereals. Pure and applied biology. 5(3):458-463
16. Shazma Anwar, Israeel, **Babar Iqbal**, Asad Ali Khan, Imran, Wajid Ali Shah, Mohammad Islam, Wajid Ali Khattak, Ikramullah, Wasim Akram and Wasim Abbas (2016). Nitrogen and phosphorus fertilization of improved varieties for enhancing phenological traits of wheat. Pure and applied biology. 5(3):511-519
17. Wajid Ali Shah, Zafar Hayat, Ikram Ullah, Shazma Anwar and **Babar Iqbal** (2016). Response of different wheat varieties to various seed rates. Pure and applied biology. 5(3):529-537 <http://dx.doi.org/10.19045/bspab.2016.50067>
18. Shazma Anwar, Israeel, **Babar Iqbal**, Shehryar Khan, Muhammad Faraz, Nawab Ali, Saddam Hussain and Muhammad Mehran Anjum (2016). Nitrogen and phosphorus fertilization of improved varieties for enhancing yield and yield

components of wheat. Pure and applied biology. 5 (4): 727-737.

19. Shazma Anwar, Iftikhar Khan, Nawab Ali, **Babar Iqbal**, Shehryar Khan, Muhammad Mehran Anjum, Muhammad Owais Iqbal and Saddam Hussain (2016). Phenological traits of wheat response to different levels of humic acid and brassinolide. Pure and applied biology. 5 (4): 782-787.
20. Shazma Anwar, Iftikhar Khan, Saddam Hussain, Muhammad Mehran Anjum, **Babar Iqbal**, Ashraf Hussain, Muhammad Owais Iqbal and Nawab Ali (2016). Wheat response to different levels of humic acid and brassinolide. Pure and applied biology. 5 (4): 822-829.
21. **Babar Iqbal**, B. Ahmad, Inam ullah, A. A. Khan, S. Anwar, Z. Muhammad, G. Ahmad, D. Muhammad and S. Khan (2016). Response of triticales to phosphorus, sulphur and different irrigation levels. International Journal of Agriculture and Environmental Research, 2(4): 360-365.

Conference Attended:

International conference on “Sustainable Crop Productivity: Threats and Options” at Ayub Agricultural Research Institute, Faisalabad on April 11-12-2013, arranged by Pakistan Society of Agronomy

International conference on “2016 GCHERA WAP Laureate Announcement Ceremony” at Nanjing Agricultural University, China on October, 2016.

References

1. Prof. Dr. Daolin Du
Professor
School of Environment and Safety Engineering
Jiangsu University, Zhenjiang, Jiangsu, P.R. China
daolindu@163.com
2. Dr. Guanlin Li
Associate Professor
School of Environment and Safety Engineering
Jiangsu University, Zhenjiang, Jiangsu, P.R. China
guanlinli1207@163.com
3. Dr. Inamullah
Associate Professor
Department of Agronomy
The University of Agriculture Peshawar KP
Cell No: 0092-345-9464319
Email address: drinam@aup.edu.pk
4. Dr. Asad Ali Khan
Assistant Professor
Department of Agronomy
The University of Agriculture Peshawar KP
Cell No: 0092-300-5705005

Email address: asadak74@aup.edu.pk