



Aaqil Khan

Doctor of Agriculture

PROFESSIONAL SUMMARY

- Postdoctoral Fellow with three years in fellowship at Sichuan Agricultural University China. Organized with research and presentations educating students, peers and superiors on research analysis. Published research findings through peer-reviewed articles and analyzed results tailoring to possible future applications.
- Seeking challenging and responsible position where my education, ability, potentials can be fully and effectively utilized with opportunities of growth, enhancement of knowledge, encouragement and to serve in building the nation
- To become an efficient employee of an International, Dynamic and Progressive organizational environment in order to enhance core competencies, where I can contribute positively and can use my academic and professional knowledge for the company's success by taking on challenging positions.

Personal Information

Date of Birth : April 6, 1986
Nationality : Pakistan
Passport : QB4120971
Marital Status : Single
Address: Village & Post office
Yaqubi, Tehsil Razar, District:
Swabi, Khyber Pakhtunkhwa,
Pakistan
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WORK HISTORY

Assistant Professor (Visiting)

2021.09—2022.10

University of Swabi, Pakistan

- Actively prepared for the classes
- Supervised students and helped staff member
- Attended meetings arranged by department
- Taught courses honestly and worked according to teaching philosophy

Postdoctoral Research Fellow

2018.09—2021.08

Sichuan Agricultural University Chengdu, China

- I worked with a leading research group in crop eco-physiology, agronomy, Soil microbiology, molecular biology and crop modeling applies, extending from molecular to whole plant level at Anhui and Sichuan Provinces, China
- Contributed to and actively participated in research conception, design and execution to address defined problems.
- Maintained accurate records of research findings and provided statistical analysis of data results.
- Wrote and published peer-reviewed articles concerning findings and highlighted possible applications for findings.

Territory Sales Executive

2011.05—2013.08

Monsanto Pakistan Private Limited

- Worked with company as a contractual employee and rendered services to our client.
- Monitored customer buying trends, market conditions and competitor actions to adjust strategies and achieve sales goals.
- Informed customers of promotions to increase sales productivity and volume.

Research Associate Intern

2009.04—2009.09

Tobacco Research Station

- Designed and Conducted experiments to improve the Production of FCV tobacco Speight G-28.
- Arranged and corrected research data to create representative graphs and

Laboratory skills

- Data collection, analysis and excellent manuscript writing skills
- Field layout and experimentation
- Nitrogen analysis
- Photosynthesis equipment's, LICOR6400, CIRAS-3, Sunscanner
- Fluorescence
- Chlorophyll determination
- Plant tissue culture
- DNA, RNA and protein extraction
- Real time PCR
- Determination of Lignin, Sugar and nitrogen content
- Agronomic, physiological and biochemical analysis

Computerskills

MS Office, Windows, Internet browsing, Data analysis programs, SPSS, Gen stat, MSTATC, Sigma plot, OriginPro, Minitab, Matlab, Python, R, Experimentaldesigns, Response surface modeling, etc.

Research Interest

- Wheat, Corn sole cropping
- Maize-Soybean Intercropping
- Cropping pattern and nutrient accumulation
- Field Crop Production
- Soil microbiology
- Biological nitrogen fixation
- Soil fertilizer and plant nutrition
- Plant nutrients and growth regulator
- Soil and water conservation
- Seed production and technology
- Field crop physiology
- Fundamentals weed science

Role as Reviewer

- Archives of Agronomy and Soil Science
- Agronomy journal
- Environmental Sciences and Pollution Research

Languageskills

English



Chinese



Urdu



Pashto



Computerskills

MS Office, Windows, Internet browsing, Data analysis programs, SPSS, Gen stat, MSTATC, Sigma plot, OriginPro, Minitab, Matlab, Experimental designs, Response surface modeling

ACDEMIC CREDENTIALS

- PHD** **Safety of Crop Production** **2014.09—2018.12**
Anhui Agricultural University Hefei, China
- Msc (Hons)** **Crop science** **2011.02—2013.01**
The University of Agriculture Peshawar, Pakistan
- Bsc (Hons)** **Agronomy** **2011.02—2013.01**
The University of Agriculture Peshawar, Pakistan
- Fsc** **Pre-Engineering** **2003.03—2005.04**
Government Post-Graduate College
- Matriculation** **Science Education** **2001.03—2003.04**

CONFERENCES & SEMINARS

- International Conference on Functional-Structural Plant Growth Modeling, Simulation, Visualization and Applications Qingdao. Abstracts (FSPMA 2016) posters.44
- Recent Trends In Agronomic Strategies For Further Green Revolution
- Symposium on International linkages

RESEARCH PROJECTS PARTICIPATION

- Participated in the national Key Research and Development Program of China: Research on the improvement and reduce lodging risk in wheat crop (2017YFD0300408)
- Participated in national Key Research and Development Program of China: Research on The Morphological-physiological mechanism of maize withstanding high plant density with low lodging risk (2017YFD0301307) Impact of wheat straw retention on maize crop production.
- National Key Research and Development Program of China (2018YFD1000905) and the National Natural Science Foundation of China (31671626 and 31201170).

- 1- **Aaqil Khan***, Akhlaq Ahmad, Waqar Ali, SajadHussain, Babatope Samuel Ajayo, Muhammad Ali Raza, Muhammad Kamran, Xiao Te, Noor al Amin, Siyad Ali, NasirIqbal,Imran Khan, Muhammad TayyabSattar, Asif Ali, Yushan Wu, Wenyu Yang*. Optimization of plant density and nitrogen regimes mitigate lodging risk in wheat (*Triticumaestivum* L.). 2020. Agronomy Journal. 112, 4; 2535-2551. <https://doi.org/10.1002/agj2.20211>
- 2- **Aaqil Khan**, Liu HuiHui, Akhlaq Ahmad, Lu Xiang, Waqar Ali, Muhammad Kamran, Shakeel Ahmad, Li Jincai. Impact of Nitrogen Regimes and Planting Densities on Stem Physiology, Lignin Biosynthesis and Grain Yield in Relation to Lodging Resistance in Winter Wheat (*Triticumaestivum* L.). 2019. Cereal Research Communications. 47, 566-579. DOI: [10.1556/0806.47.2019.21](https://doi.org/10.1556/0806.47.2019.21)
- 3- **Aaqil Khan**, Ahmad Khan, Jincai Li, Muhammad Irfan Ahmad, AlamSher, Arif Rashid, Waqar Ali. 2017. Evaluation of Wheat Varietal Performance under Different Nitrogen Sources. American Journal of Plant Sciences, 2017, 8, 561-573 <http://www.scirp.org/journal/ajps>.
- 4- **Aaqil Khan**, Li Jin Cai, AlamSher, Shahzad Ali, Muhammad Irfan Ahmad, Muhammad Kamran, Ghulam Ali Bugti, Sikandar Ali Jamro.2017. Effect of different suckericides on yield of fcv tobacco speight G-28. Journal of Biodiversity and Environmental Sciences.2017. 10(1), 220-224
- 5- **Aaqil Khan**, Xiang Lu, AlamSher, Shihua Zhang, Huihui Liu, Jincai Li, Youhong Song, Model-based analysis of wheat morphology and culm lodging risk controlled by plant density and nitrogen use. . 2016 IEEE International Conference on Functional-Structural Plant Growth Modeling, Simulation, Visualization and Applications Qingdao. Abstracts (FSPMA 2016) posters.44
- 6- AlamSher, **Aaqil Khan**, Ashraf U, Liu HH and Li JC. Characterization of the Effect of Increased Plant Density on Canopy Morphology and Stalk Lodging Risk. 2018. Frontiers in Plant Science. 9:1047. doi: [10.3389/fpls.2018.01047](https://doi.org/10.3389/fpls.2018.01047) (Equal Contribution).
- 7- Samrah A. Awan, Imran Khan, Muhammad Rizwan, Xinquan Zhang, Marian Brestic, **Aaqil Khan**, Mohamed A. El-Sheikh, Mohammed N. Alyemeni, Shafqat Ali, Linkai Huang. Exogenous abscisic acid and jasmonic acid restrain polyethylene glycol-induced drought by improving the growth and antioxidative enzyme activities in pearl millet. 2020. PhysiologiaPlantarum. 72 (2), 809-819. DOI: [10.1111/ppl.13247](https://doi.org/10.1111/ppl.13247)
- 8- Shah Fahad, Tahiranayat, Jianling Wang, Li Dong, Guangyin Hu, Sufyanullah Khan, **Aaqil Khan**. Farmers' awareness level and their perceptions of climate change: A Case of Khyber Pakhtunkhwa province, Pakistan. 2020. Land Use Policy. 96. 1-8. DOI: [10.1016/j.landusepol.2020.104669](https://doi.org/10.1016/j.landusepol.2020.104669)
- 9- Muhammad Ali Raza, Ling Yang Feng, Wopke van der Werf, NasirIqbal, Imran Khan, Ahsin Khan, Atta MohiUd Din, MuhammdNaeem, Tehseen Ahmad Meraj, Muhammad Jawad Hassan, **Aaqil Khan**, FengZhi Lu, Xin Liu, Mukhtar Ahmed, Feng Yang, Wenyu Yang. Optimum strip width increases dry matter, nutrient accumulation, and seed yield of intercrops under the relay intercropping system.2020. Food & Energy Security. 9(2), 1-14. <https://doi.org/10.1002/>
- 10- SajadHussain, Ting Liu, NasirIqbal, Marian Brestic, Ting Pang, Maryam Mumtaz, IramShafiq, Li Shuxian, Wang Li, Yang Gao, **Aaqil Khan**, Irshan Ahmad, Suleyman I Allakhverdiev, Weiguo Liu, Wenyu Yang. Effects of lignin, cellulose, hemicellulose, sucrose and monosaccharaides carbohydrates on soybean physical stem strength and yield in intercropping. 2020. Photochemical and Photobiological Sciences. 19, 462-472.DOI: [10.1039/C9PP00369Jfes3.199](https://doi.org/10.1039/C9PP00369Jfes3.199)
- 11- Muhammad Kamran, Su Wennan, Irshad Ahmad, MengXiangping, Cui Wenwen, Zhang Xudong, MouSiwei, **Aaqil Khan**, Han Qingfang, Liu Tiening (2018) Application of paclobutrazol affect maize grain yield by regulating root morphological and physiological characteristics under a semi-arid region. Scientific Reports, 8(1)
- 12- Umair ASHRAF, Mazhar Noor SALIM, Alam SHER, Sabeeh-ur-Rasool SABIR, **Aaqil KHAN**, Shenggang PAN, Xiangru TANG.2016. MAIZE GROWTH, YIELD FORMATION AND WATER-NITROGEN USAGE IN RESPONSE TO VARIED IRRIGATION AND NITROGEN SUPPLY UNDER SEMI-ARID CLIMATE. Turkish Journal of Field Crops 21(1), 87-95
- 13- AlamSher, **Aaqil khan**, SajidHussain, Li Jin Cai, Muhammad Irfan Ahmad Sikandar Ali Jamro, Arif Rashid. Significance of Chemical Priming on Yield and Yield Components of Wheat under Drought Stress. American Journal of Plant Sciences, 2017, 8, 1339-1344. <http://www.scirp.org/journal/ajps>
- 14- AlamSher, **Aaqil Khan**, Li Jin Cai, MhummadIrfan Ahmad, UmairAsharf and Sikander Ali Jamoro. Response of Maize Grown Under High Plant Density; Performance, Issues and Management - A Critical Review. Advances in Crop Science and Technology. 2017. DOI: [10.4172/2329-8863.1000275](https://doi.org/10.4172/2329-8863.1000275)

- 15- Muhammad Irfan Ahmad, Amjed Ali¹, **Aaqil Khan**, Sikandar Ali Jamro, Alam Sher, Shafeeq-ur-Rahman, Arif Rashid. OILCROP-SUN Model for Nitrogen Management of Diverse Sunflower (*Helianthus annuus* L.) Hybrids Production under Agro-Climatic Conditions of Sargodha, Pakistan. 2017. American Journal of Plant Sciences. 8(3), 412-427
- 16- Muhammad Irfan Ahmad, Amjed Ali, **Aaqil Khan**, Alam Sher, Arif Rashid, Sikandar Ali Jamro, Shafeequr-Rahman, Saboor Ahmad. Nitrogen Management of Diverse Sunflower (*Helianthus annuus* L.) Hybrids Production under Agro-Climatic Conditions of Sargodha, Pakistan. 2017. American Journal of Plant Sciences. 1357-1367
<http://www.scirp.org/journal/ajps>
- 17- Sikandar Ali Jamro, Ahmad Naqi Shah, Muhammad Irfan Ahmad, G. M. Jamro, **Aaqil Khan**, Waheed Ahmed Siddiqui, Alam Sher, Ghulam Ali Bugti. Growth and yield response of cotton varieties under different methods of fertilizer application. 2017. Journal of Biodiversity and Environmental Sciences. 9, 198-206
- 18- Shakoor, A. M. Ashraf, L. Shah, A. Ali, **Aaqil Khan**, A. Sher, Misbahullah, M. Kamran. Impact of Farmyard Manure Nitrogen, Phosphorus and Potassium on Maize Crop. 2015. Academia Research Journal of Agricultural Science and Research. Aug. 2015. 3(8)219-223. .
- 19- Saeed, U. A. Sher, M.M. Bajwa, **Aaqil Khan**, A. Ameen, A. Shakoor. Impact of Foliar Application of Boron on Growth and Yield of Sunflower (*Helianthus annuus* L.) Under Different Irrigation conditions. 2015. Academia Journal of Agriculture Research. 3(9), 219-225.
- 20- Sajid Nawaz, Alam Sher, **Aaqil Khan**, Li jincai, Asif Ameen and Awais Shakoor. 2015. Effect of Phosphorus and different irrigation regimes on the yield and yield components of maize (*Zea mays* L.). Academia Journal of Agriculture Research. 3(9), 267-271
- 21- Alam Sher, Abdul basit, **Aaqil Khan**, Asif Ameen, Sajid Hussain, Muhammad Irfan Ahmad, Awais Shakoor and Muhammad Abdullah. 2016. Nitrogen Use Efficiency in Maize (*Zea mays* L.) as Affected by Different Organic Amendments. JOURNAL OF ADVANCED BOTANY AND ZOOLOGY. 4(1);1-5
- 22- Shah, K.A. Khan, N.U. Shah, L. Ali, **Khan. Aaqil**. Ying, X. Abbas, Z. 2015. Heterotic studies in 8x8 Diallel crosses of upland cotton Academia Research Journal of Agricultural Science and Research. 3(6); 128-136.
- 23- Liaqat Shah, Hidayat Ur Rahman, Asif Ali, Kashif Ali Shah and **Aaqil Khan**. 2014. HETEROTIC EFFECTS FOR GRAIN YIELD AND RELATED TRAITS IN MAIZE VARIETY AZAM. ARPN Journal of Agricultural and Biological Science