

Biodata of *Dr. Muhammad Kashif*, Associate Professor, Department of Plant Breeding and Genetics, University of Agriculture Faisalabad, Pakistan.

1. **Name** : Dr. Muhammad Kashif
2. **Father's name** : Dr. Muhammad Aslam
3. **Date of birth** : January 29, 1978
4. **N.I.C No.** : 33102-1781976-1
5. **Nationality** : Pakistani
6. **Marital status** : Married
7. **Present address** : Associate Professor, Department of Plant Breeding and Genetics, University of Agriculture, Faisalabad.
8. **Permanent address** : 565-A, Peoples Colony No. 2, Faisalabad.
9. **Email address** : mkashifpbg@uaf.edu.pk , mkashifpbg@gmail.com
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11. Teaching and Research Experience:

Total experience: 19 years 5 months 5 days

Post held	Duration
a. Teacher on per lecture basis	July 28, 2004 - March 28, 2007
b. Lecturer	March 29, 2007 - November 12, 2008
c. Assistant Professor	November 13, 2008 - August 30, 2019
d. Associate Professor	August 31, 2019 - To-date

12. Faculty Research:

Genetic improvement of wheat for stable grain yield under normal and stress conditions

13. Students Supervised M.Sc. (Hons) Agri./Ph.D.:

HEC approved Ph.D. supervisor

	MSc (Hons) Agri.		Ph.D.	
	Completed	In progress	Completed	In progress
Major Supervisor	119	9	5	2
Committee Member	145	10	5	1

14. Academic Qualification

<i>Certificate/Degree</i>	<i>Year of Passing</i>	<i>Div.</i>	<i>Marks % / CGPA</i>	<i>Major Group / Subject</i>	<i>Institution Attended</i>
♦ Secondary School Certificate.	1994	1 st	68.24%	Science Group	La Salle High School, Faisalabad.
♦ Intermediate Certificate.	1996	1 st	61.91%	Science Group (Pre-Medical)	Govt. College of Science, Faisalabad.
♦ B.Sc. (Hons) Agri. (Gold Medalist)	2001	1 st	89.11% CGPA 3.99		
♦ M.Sc. (Hons) Agri. (Stood First)	2003	1 st	93.2% CGPA 3.92	Plant Breeding and Genetics	University of Agriculture, Faisalabad.
♦ Ph.D.	2008	-	-		

15. Academic Distinction:

- **“Stood First”** in B.Sc. (Hons) Agriculture 2001 and was awarded **“Gold Medal”**.
- Awarded **“Distinction Certificate”** by Dean, Faculty of Agriculture, University of Agriculture Faisalabad.
- Awarded **“Certificate of Appreciation”** for maintaining 4 CGPA up to six consecutive semesters in B.Sc. (Hons) Agri. degree by Dean, Faculty of Agriculture, University of Agriculture Faisalabad.
- Awarded **“Dean’s Role of Honour, Session 2000-2001”** Faculty of Agriculture, University of Agriculture, Faisalabad.
- Awarded **“Certificate of Merit”** by the Society of Plant Breeders and Geneticists, University of Agriculture, Faisalabad.
- **“University Merit Scholarship”** holder throughout B.Sc.(Hons)Agri. studies.
- Awarded **“Sir William Roberts Scholarship”** for M.Sc. (Hons) Agri. studies for the academic years 2001 to 2003.
- Awarded 13th Star Award 2002 as **“Star Laureate 2002”** by South Asia Publications, Karachi.
- Awarded **“Dr. Abdul Qadeer Khan Gold Medal 2003”**.
- **“Stood first”** in M.Sc.(Hons) Agriculture 2003 and was awarded **“Distinction Certificate”** by Dean, Faculty of Agriculture, University of Agriculture, Faisalabad.
- Awarded **“Sir William Roberts Scholarship”** for Ph.D. studies for the academic years 2003 to 2005.

16. Dissertations:

- Genetic architecture of some polygenic traits in spring wheat – M.Sc.(Hons) Agri. thesis
- Genetic mechanisms of some quantitative traits in bread wheat across two environments – Ph.D. thesis

17. Other Formal Training Education:

1. Two day’s brainstorming session on **National Wheat Breeding Strategy and line of action of indigenous germplasm development and mainstreaming in the country**, May 9-10, 2023. Organized by PSDP Project Pakistan Agricultural Research Council, Islamabad.
2. **Seminar/Workshop Training Session for Advanced Organic Farming Technologies; Phase II**. September 21-23, 2020. University of Agriculture, Faisalabad.
3. One Day workshop on **Patent/claims Drafting Techniques, Industrial Design Trade Mark Registration**, organized by Technology and Innovation Support Center (TISC), University of Agriculture, Faisalabad, November 21, 2019.
4. **One Day Rice Breeders Training Workshop**, Sponsored by Asian Development Bank: Punjab Basmati Rice Value Chain, Held on August 31, 2018.
5. **Certification of Participation as Presiding Officer** two days training workshop organized by Election Commission of Pakistan and UNDP on July 13-14, 2018 at Govt. M. C. Boys Higher Secondary School, Samanabad, Faisalabad.
6. **Field Inspection of Wheat and Gram Seed Crops and Early Generation Seed Production for Seed Sector**, organized by Food Agriculture Organization (FAO) of the United Nations, April 23 – 25, 2018.
7. **Phenotyping Cereals in Variably Saline Landscapes in Pakistan**, organized jointly by The University of Western Australia and Saline Agriculture Research Centre, Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad on January 16 – 20, 2017.
8. Seed Training Workshop **Dry Chain Technology for Reducing Post Harvest Losses of Seeds and Grains**, organized by U.S. – Pakistan Center for Advanced Studies in Agriculture and Food Security, November 23, 2016.
9. **Seed Security for Sustainable Agriculture**, 2nd Pakistan Seed Congress organized jointly by Department of Plant Breeding and Genetics and UC Davis University of California, University of Agriculture, Faisalabad on November 21-22, 2016.
10. One-day Workshop on **Strategic Use of Digital Technology in University Instruction** organized by U.S.-Pakistan Center for Advanced Studies in Agriculture and Food Security, University of Agriculture, Faisalabad on October 17, 2016.
11. **Quality seed, Issues and Options** three-day workshop organized with collaboration of University of California Davis and International Rice Research Institute (IRRI) at University of Agriculture, Faisalabad from May 9 – 11, 2016.
12. **Workshop on Developing Industry Driven Technologies** organized by PASTIC Pakistan Science Foundation, University of Agriculture, Faisalabad on 27 September, 2014.
13. **International Seminar on Seed Production and Supply System** organized by Department of Plant Breeding and Genetics and Office of Research, Innovation and Commercialization, University of Agriculture, Faisalabad on 26 December, 2013.
14. **Learning by Doing: Tools and Techniques for Working as a Team** organized by Office of Senior Tutor, University of Agriculture, Faisalabad from 2-7 May, 2013.

15. ***Hands on Training for Enhancing Efficiency in Conducting Agronomic and Breeding Trials*** organized by Australian Government AusAID and ORIC, University of Agriculture Faisalabad from October 1-5, 2012 and April 25-26, 2013.
16. ***Certified Presiding Officer*** one day training workshop organized by Election Commission of Pakistan on 21 April, 2013 at Govt. Higher Secondary School, Chak Jhumra.
17. ***Application of Biotechnology for Wheat Improvement*** two day's workshop organized by National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad from 8 – 9 April, 2013.
18. ***Hands on Training for Enhancing Efficiency in Conducting Agronomic and Breeding Trials*** organized by Dr. Akram Khan from Plant Breeding Institute, University of Sydney at University of Agriculture, Faisalabad from 01 - 25 October, 2012.
19. ***International workshop on Seed Testing Through ISTA Standards*** organized by Department of Crop Physiology, University of Agriculture, Faisalabad on September 29, 2011.
20. ***International Seed Course on Seed Physiology, Production and Management*** organized by Department of Crop Physiology, University of Agriculture, Faisalabad from September 27-28, 2011.
21. Two days workshop on ***Applications of biotechnology for wheat improvement*** May 09-10, 2011. Organized by National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad.
22. ***Workshop on WTO Agreements and Their Impact on Pakistan's Economy*** organized by WTO Cell, University of Agriculture, Faisalabad from June, 3-6, 2009.
23. ***Integration of Biotechnological Tools with Conventional System of Plant Genetic Improvement – 4th National Training Course*** organized By Centre of Agricultural Biochemistry and Biotechnology (CABB), University of Agriculture, Faisalabad from 21-26 April, 2008.
24. ***Integrated Management of Wheat with Special Reference to Post Harvest*** under the scheme Learning Innovation by Higher Education Commission (HEC), Pakistan. Held from March 26 – April 7, 2007 at University of Agriculture, Faisalabad.
25. ***Staff Development Course*** under the scheme National Academy of Higher Education (NAHE) by Higher Education Commission (HEC), Pakistan. Held from September 5 – October 1, 2005 at University of Agriculture, Faisalabad.
26. ***Research Orientation Programme on Research Methodology and Analytical Techniques - 3rd Course*** organized by University of Agriculture, Faisalabad from August 8th to 20th, 2005.
27. ***National Cadet Corps*** – Certificate of Service under the scheme of National Guards Training, Govt. College of Science, Faisalabad from September 29, 1994 to November 1, 1995.

18. Foreign Visits

Visited China in 2017 from July 21st to August 10th to attend “2017 Seminar on Hybrid Rice for Pakistan” sponsored by the Ministry of Commerce, China and organized by Yuan Longping High-tech Agriculture Co., Ltd. in Changsha, The People's Republic of China.

19. Memberships of the authorities, academic and administrative bodies of Universities/Institutes:

- i. Co-advisor of 1st, 2nd and 8th semester students from spring semester 2005 to 2012.
- ii. Co-advisor of B.Sc. (Hons) Agri students for summer from spring semester 2008 to 2010.
- iii. Member of Timetable and Examination arrangement committee of Faculty of Agriculture B.Sc. (Hons) Agri. from 2008 to 2010
- iv. In-charge Department Library from 22-03-2011 to date.
- v. Tutor of Tutorial group Tariq-3 (now TGM-258) from 2014 to date
- vi. Representative of the Dean, Faculty of Agriculture in committees for auction of university farms agricultural produce from 15-08-11 to date.
- vii. Vice President of University Chess Game from 2011 to date.
- viii. Higher Education Commission approved Ph.D. supervisor from 10-04-2012 to date.
- ix. Member department synopsis Scrutiny Committee from 2014 to date.
- x. Member of Faculty Board, Faculty of Agriculture from 2016 to date.
- xi. Member of Graduate Group for developing curriculum and successfully obtaining NOC for new MS degree program M.Sc. (Hons) in Seed Science and Technology Dated 18-02-2016.
- xii. Member of UAF Expert Panel for Agriculture Congress 2017.
- xiii. Member Advisory Committee of Plant Breeding and Genetics, University College of Agriculture, University of Sargodha, Sargodha letter No. UOS/ACAD/308 dated 20-03-2017 to date.
- xiv. Department coordinator for University Learning Management System (LMS) from 2017 to date.
- xv. Secretary of the department Board of Studies from 2017 to date.
- xvi. Section Editor for Pakistan Journal of Agricultural Sciences from 20-09-2019 to date.

- xvii. Nominated focal person for Online Teacher and Course Evaluation System from 05-03-2020 to date.
- xviii. Member of Punjab Agricultural Research Board (PARB) project review committee from 30-03-2021 to date.
- xix. Nominated as focal person for the Accreditation of degree programs from 12-08-2021 to date

20. Invited Speaker/Resource Person/Certificates of Appreciation

- I. Resource person in International Conference on “Emerging Technologies for Crop Improvement in Pakistan, February 19 – 20, 2024.
- II. Certificate of appreciation as convenor poster & IT organizing committee in International Wheat Conference October 19-20, 2022.
- III. Certificate of appreciation as organizing member of international seminar about awareness for fodder cultivation under the scenario of climate change, March 28, 2019.
- IV. Invited speaker in one day seminar on “Self-Sufficiency in Cereals, the grains of life” organized by College of Agriculture, University of Sargodha, December 13, 2018.
- V. Certificate of appreciation as member of convener committee for Farmer convention in Rabi Kisan Mela 2016, November 2 – 7, 2016.
- VI. Organized and participated in 1st Pakistan Seed Congress 08 – 10 December 2015 University of Agriculture, Faisalabad.
- VII. Awarded Certificate of Appreciation for arranging Farmer’s Day seminar as member of convener committee for Kisan Mela 23 November 2015 University of Agriculture Faisalabad.
- VIII. Presented Teaching Award certificate 2014 by Express Media Group initiative in collaboration with LLM ideas.
- IX. Organized one day seminar on seed production and supply system as member active member of organizing committee on 26 December 2013.
- X. Awarded Certificate of Appreciation for arranging Farmer’s Day seminar as member of convener committee for spring festival 24 – 27 October 2013 University of Agriculture Faisalabad.
- XI. Awarded Certificate of Appreciation for arranging Farmer’s Day seminar as member of convener committee for spring festival 26 – 31 March 2013 University of Agriculture Faisalabad.
- XII. Certificate of Appreciation for arranging two days international seminar as convener hall management committee on Golden Jubilee Celebrations during Plant Breeding and Genetics Week 17 – 23 April 2011 at University of Agriculture, Faisalabad.

21. Books/Book Chapters/Popular articles/Magazines/Brochures Written:

- 1. **Kashif, M.**, S.H. Wani, and S. Shaukat. 2021. Chapter 3: Wheat Wild Germplasm: A hidden Treasure. In: Wild germplasm for genetic improvement in crop plants. Azhar, M.T. and S. H. Wani (Eds). Elsevier U.K. ISBN:978-0-12-822137-2
- 2. Khaliq, A., A. Shakeel, **M. Kashif** and G. Mustafa. 2018. Chapter 15: Stagnant Yields. In: Developing Sustainable Agriculture in Pakistan. I.A. Khan and M.S. Khan (Eds). 1st Ed. CRC Press. Taylor and Francis Group, USA. ISBN: 9781351208239
- 3. Khan, F.A and **M. Kashif**. 2018. Chapter 4: Plant Reproductive Systems. In: Plant Breeding. A.S. Khan, Z. Ali and Noor-ul-Islam (Eds). University of Agriculture, Faisalabad. ISBN:978-969-8237-94-3.
- 4. A. Shakeel and **M. Kashif**. 2018. Chapter 13: Experimental Considerations. In: Plant Breeding. A.S. Khan, Z. Ali and Noor-ul-Islam (Eds). University of Agriculture, Faisalabad. ISBN:978-969-8237-94-3.
- 5. Urdu Magazine on “Gandam ki Kasht”. Wahid, M.A., M.F. Saleem, **M. Kashif**, M. Sagheer, A. Habib, M.A. Maqsood and R. Maqbool. 2018. Published by Office of the University Books and Magazines, University of Agriculture, Faisalabad.
- 6. Urdu brochure “Shobay plant breeding and genetics ki tahkiki-o-takhliki surgarmia aik nazar mein”. Khan, A.S., M. Saleem, M.H.N. Tahir, A. Shakeel and **M. Kashif**. 2015 and 2016. Published by Public Relations and Publications, University of Agriculture, Faisalabad.
- 7. E-paper article “Chong (Carallumafimbriata) – A Neglected Vegetable for Weight Loss. Raza, M.A., F. Rehman, A. Saeed and **M. Kashif**. 2014. Published in Weekly Technology Times 5(49).
- 8. Urdu article “Gandam ki pachaati kasht ka lia beej ki tiara”. **Kashif, M.** 2009. Published in Zarai Digest by Public relations and publications, University of Agriculture, Faisalabad.

22. Scientific Publications:

Total No. of Papers = 62

Impact Factor = 46.76

a. Foreign Journals = 24

1. Firdous, H., A. Ali, S. Saleem, A. Razzaq, G. Mustafa, S. Ercisli, K.M. Elhindi, A. Ijaz, Z. Anwar, **M. Kashif**, M. Hamza, M.M. Zafar, W. Baotong and X. Jiang. 2024. Development of genetically modified rust resistant wheat: A breakthrough by dinted introgression of novel DREB2c and HSFA2 genes under stress induced expression. *Plant Stress*. (IF = 6.8, ISSN: 2667-064X, HEC X-category, <https://doi.org/10.1016/j.stress.2024.100636>)
2. Ali, M., F. Shaukat, W. Kahn, A.Syed, J. Maqsood, H. Kamal, S. Ercisli, J. Balijagic, R. Ullah, A. Bari, Z. Anwar, A. Ijaz, **M. Kashif**, M.N. Khalid, H.S.B. Mustafa and M.M. Zafar. 2023. Microsatellite-based diversity analysis and the development of core-set germplasm in Pakistani barley lines. *Cellular Mol. Bio.* 69(10):100-108 (IF 1.600, HEC Y-category, eISSN: 1165-158X, <http://dx.doi.org/10.14715/cmb/2023.63.10.14>)
3. Bashir, M.A., **M. Kashif**, I. Habib, S. Nazir, A. Mumtaz and Sajid-ur-Rahman. 2023. Molecular characterization of bread quality contributing high and low-molecular-weight glutenin subunits in Pakistani spring wheat genotypes. *Genet. Resour. Crop Evol.* 70(5) (IF = 1.876 (2021) ISSN: 1573-5109 online, <https://doi.org/10.1007/s10722-023-01622-8>)
4. Saleem, S., **M. Kashif**, R. Maqbool, N. Ahmed and R. Arshad. 2022. Genetic inheritance of stripe rust (*Puccinia striiformis*) resistance in bread wheat breeding lines at seedling and maturity stages. *Plants* 11(13):1701 (IF = 3.935, ISSN: 2223-7747, <https://doi.org/10.3390/plants11131701>)
5. Aleem, M., A. Riaz, Q. Raza, M. Aleem, M. Aslam, K. Kong, R. M. Atif, **M. Kashif**, J.A. Bhat and T. Zhao. 2022. Genome-wide characterization and functional analysis of class III peroxidase gene family in soybean reveal regulatory roles of GsPOD40 in drought tolerance. *Genomics* 114(1): 45-60. (IF = 5.736 2020, ISSN: 1089-8646) <https://doi.org/10.1016/j.ygeno.2021.11.016>
6. Zafar, M.M., A. Manan, A. Razzaq, M. Zulfiqar, A. Saeed, **M. Kashif**, A.I. Khan, Z. Sarfraz, H. Mo, M.S. Iqbal, A. Shakeel and M. Ren. 2021. Exploiting agronomic and biochemical traits to develop heat resilient cotton cultivars under climate change scenarios. *Agronomy* 11. 1885. (IF= 3.417, ISSN:2073-4395) <https://doi.org/10.3390/agronomy11091885>
7. Alam, M., **M. Kashif**, A.C. Easterly, F. Wang, J.D. Boehm Jr. and P.S. Baenziger. 2021. Coleoptile length comparison of three winter small grain cereals adapted to the Great Plains. *Cereal Res. Communications* <https://doi.org/10.1007/s42976-021-00151-3> (IF = 0.811 (2019) Online ISSN: 1788-9170)
8. Ahmed, H.G.M.D, **M. Kashif**, M. Sajjad and Y.W. Zeng. 2020. Genetic dissection of protein and gluten contents in wheat (*Triticum aestivum* L.) under normal and drought conditions. *Appl. Eco. Environ. Res.* 18(4):5645-5659 (IF = 0.740, ISSN Online: 1785 0037) https://dx.doi.org/10.15666/aeer/1804_56455659
9. Younas, A., H.A. Sadaqat, **M. Kashif**, N. Ahmed and M. Farooq. 2019. Combining ability and heterosis for grain iron biofortification in bread wheat. *J. Sci. Food Agric.* DOI 10.1002/jsfa.10165 wileyonlinelibrary.com (IF = 2.614 2019)
10. Ahmed, H.G.M., A.S. Khan, L. Ming-ju, S.H. Khan and **M. Kashif**. 2019. Early selection of bread wheat genotypes using morphological and photosynthetic attributes conferring drought tolerance. *J. Integrative Agriculture*. 18(11) 2483-2491. (IF 1.337, 2018) [https://doi.10.1016/S2095-3119\(18\)62083-0](https://doi.10.1016/S2095-3119(18)62083-0)
11. Shahid, M., M.F. Saleem, A. Saleem, M.A.S. Raza, **M. Kashif**, A. Shakoar and M. Sarwar. 2019. Exogenous potassium – instigated biochemical regulations confer terminal heat tolerance in wheat. *J. Soil Sci Plant Nutr.* Online: <https://doi.org/10.1007/s42729-019-00020-3> (IF 2.116 (2017) ISSN: 0718-9516)
12. Ahmad, H.G.M., A.S. Khan, **M. Kashif** and S.H. Khan. 2018. Genetic analysis of yield and physical traits of spring wheat grain. *J. Natn. Sci. Foundation Sri Lanka*. 46(1): 23-30. (IF 0.420, 2016) <http://dx.doi.org/10.4038/jnsfsr.v46i1.8262>
13. Shaukat, S., A.S. Khan, M. Hussain, **M. Kashif** and N. Ahmad. 2018. Evaluation of spring wheat genotypes for heat tolerance using cell membrane thermostability. *Int. J. Biosci.* 12(5):291-296. (HEC recognized, ISSN 2222-5234) <https://dx.doi.org/10.12692/ijb/12.5.291-296>
14. Ahmed, H.G.M., A.S. Khan, **M. Kashif** and S.H. Khan. 2017. Genetic mechanism of leaf venation and stomatal traits for breeding drought tolerant lines in wheat. *Bangladesh J. Bot.* 46(1):35-41. (IF 0.233, ISSN 2079-9926)
15. Maqsood R.H., I. Khaliq, **M. Kashif** and N. Ahmed. 2016. Generation means analysis for morpho-physiological traits in bread wheat under two stress regimes. *Transylvanian Review* Vol.XXIV(8): 1504-1512. (IF 0.012, ISSN: 1221-1249)
16. Farooq, J., I. Khaliq, M. Akbar, **M. Kashif** and S. Mahpara. 2013. Hybrid vigor studies for different yield contributing traits in wheat under normal and heat stress conditions. *Communicata Scientiae* 4(2): 139-152.
17. Ahsan, M., A. Farooq, I. Khaliq, Q. Ali, M. Aslam and **M. Kashif**. 2013. Inheritance of various yield contributing traits in maize (*Zea mays* L.) at low moisture condition. *Afr. J. Agric. Res.* 8(4):413-420. (IF 0.263, DOI: 10.5897/AJAR13.004, ISSN 1991-637X)
18. Ali, Q., M. Ahsan, M.H.N. Tahir, I. Khaliq, **M. Kashif**, M. Elahi, J. Farooq, N.H. Khan, M.T. Naveed, F. Ali, U. Saeed and M. Anwer. 2012. An overview of genomics assisted improvement of drought tolerance in maize (*Zea mays* L.): QTL approaches. *Afr. J. Biotechnol.* 11(65): 12839-12848. (IF 0.573, DOI: 10.5897/AJB12.2503, ISSN 1684-5315)

19. Ali, Q., M. Elahi, M. Ahsan, M.H.N. Tahir, I. Khaliq, **M. Kashif**, A. Latif, T. Ahmed, U. Saeed, N.H. Khan, B. Hussain, M. Shahbaz, U. Shahzadi and M. Ejaz. 2012. Genetic analysis of morpho-physiological and quality traits in chickpea genotypes (*Cicer arietinum* L.). Afr. J. Agric. Res. 7(23): 3403-3412. (IF 0.263, DOI: 10.5897/AJAR11.1788, ISSN 1991-637X)
20. Farooq, J., I. Khaliq, M.A. Ali, **M. Kashif**, Aziz-ur-Rehman, M. Naveed, Qurban Ali, W. Nazeer and A. Farooq. 2011. Inheritance of yield attributes in spring wheat at grain filling stage under different temperature regimes. Aust. J. Crop Sci. 2 (13): 1745-1753. (IF 1.632, ISSN: 1835-2707)
21. Farooq, J., I. Khaliq, **M. Kashif**, Q. Ali and S. Mahpara. 2011. Genetic analysis of relative cell injury percentage and some yield contributing traits in wheat under normal and heat stress conditions. Chi. J. Agric. Res. 71(4): 511-520. (IF 0.447, DOI: 10.1007/s11703-011-1071-9)
22. Ahsan, M., M.M. Hussain, A. Farooq, I. Khaliq, J. Farooq, Q. Ali and **M. Kashif**. 2011. Physio-genetic behavior of maize seedlings at water deficit conditions. Cercetari Agronomice in Moldova. Vol.XLIV, No.2 (146): 41-49.
23. Asghar, S., **M. Kashif**, A.S. Khan, I. Khaliq and J. Farooq. 2011. Comparative studies on some yield contributing traits of wheat sown in binary mixtures. Front. Agric. China. 5(2): 141-145.
24. Mahmood N., M.A. Chowdhry and **M. Kashif**. 2003. Genetic analysis of some physio-morphic traits of wheat under drought condition. J. Genet. & Breed. 57(4): 385-392.

b. National Journals = 39

1. Iqbal, J. Zia-ul-Qamar, **M. Kashif**, M.W. Jamil, M. Altaf, S. Sarwar, H. Saad bin Mustafa, S. Rahman and S. Nazir. 2024. Evaluation of mutant lines of rice (*Oryza sativa* L.) for drought tolerance at seedling and reproductive stages. J. Pure Appl. Agri. 9(2):54-56. (HEC Y-category, ISSN: 2617-8680 online, <https://ojs.aiou.edu.pk/index.php/jpaa/article/view/2760>)
2. Noman M.U., S. Azhar, **M. Kashif** M, F. Saleem and M.B. Junaid. 2024. Fast-track to biomass: proteomics analysis deciphers energy synthesis in speed-bred wheat. Agrobiological Records 17: 1-12. (ISSN: 2708-7190 online, <https://doi.org/10.47278/journal.abr/2024.018>).
3. Sajjad, M., H. Razzaq, **M. Kashif** and M.A. Wahid. 2024. Relationship of various parameters to Bradyrhizobium japonicum in soybeans. SABRAO J. Breed. Genet. 56(4):1694-1704. (IF 1.600, HEC X-category, eISSN: 2224-8978, <http://doi.org/10.54910/sabrao2024.56.4.34>)
4. Ahmed, A., Q.U.A. Akram, W. Naz, S. Akhter, I. Amjad, M.A. Ashraf, A. Shakeel, A. Saeed, S. Sarfraz, F. Shamim, N. Shahzadi, **M. Kashif** and N. Mahmood. 2022. Possible revolutionary substitute to wheat: A review on nutrient rich and healthy diet development by pseudo cereals. Biol. Clin. Sci. Res. J. Vol:108 (HEC 2022-23 Y-category, ISSN: 2708-2261 <https://doi.org/10.54112/bcsrj.v.2022i1.108>)
5. Amjad, I., **M. Kashif**, S. Akhter, M.Z.K. Nazar, A. Latif, A. Latif, S. Sarfraz, U. Shahbaz, M.T. Ahsan, F. Shamim, N. Shahzadi, M.N. Khalid and Z.U. Qamar. 2022. Evaluation of the tolerance of rice (*Oryza sativa*) for submergence and drought using various yield related stress indices. Biol. Clin. Sci. Res. J. Vol:106 (HEC 2022-23 Y-category, ISSN: 2708-2261 <https://doi.org/10.54112/bcsrj.v.2022i1.106>)
6. Hassan, M. S. Sarwar, S. Shahzad, S.A. Zafar, A. Bilal, S. Akhter, H. Qamar, S. Asghar, M. Altaf, S. Saleem, J. Ashiq, S. Ali, **M. Kashif** and M.N. Khalid. 2022. Screening of bread wheat genotypes for heat tolerance using artificial and natural environment. J. Glob. Innov. Agric. Sci. 10(4) xxx. (HEC Y-category 2022-23, ISSN online:2788-4546, <https://doi.org/10.22194/JGIAS/10.1011>)
7. Amjad, I., **M. Kashif**, R. Dilshad, M.A. Javed, S. Aziz, M.N. Khalid, A. Shakeel, F. Tahir, M. Riaz, H. Saher, S. Sarfraz and A. Saeed. 2022. Submergence tolerance regulator, SUB1A: convergence of submergence and drought response pathways in rice. J. Glob. Innov. Agric. Sci. 10(4) xxx. (HEC Y-category 2022-23, ISSN online:2788-4546, <https://doi.org/10.22194/JGIAS/10.1009>)
8. Shamim, F., S. Sarfraz, M.A. Raza, S.S. Ali, **M. Kashif** and H. Rasheed. 2022. Effect of geographical location and variety on milling, physicochemical and cooking properties of prominent rice varieties grown in Punjab, Pakistan. Plant Cell Biotech. Mol. Bio. 23(33&34):21-29. (ISSN:0972-2025, DOI:10.56557/PCBMB/2022/v23i33-347816)
9. Alam, M., **M. Kashif**, R. Maqbool and N. Ahmed. 2021. Analyzing the potential of spring wheat (*Triticum aestivum* L.) accessions for water deficit constraint. Pak. J. Agri. Sci. 58(2):583-587. DOI:10.21162/PAKJAS/21.261 ISSN(Online) 2076-0906 (IF = 0.748)
10. Hassan, M., **M. Kashif**, A.S. Khan and F.S. Awan. 2021 Computation of combining ability estimates for some physiological and morphological traits in bread wheat under high temperature. Pak. J. Agri. Sci. 58(2):589-597 ISSN (Online) 2076-0906. DOI: 10.21162/PAKJAS/21.70. (IF = 0.748)
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 15. Munir, S., A.S. Khan, **M. Kashif** and S.H.U Khan. 2020. The Genetic exploitation of wheat for different yield related traits by principal component analysis. Pak. J. Agri. Sci. 57(1):95-100. (IF 0.618 2018, ISSN: 2076-0906) DOI:10.21162/PAKJAS/20.8194).
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 26. Khan, M.A., **M. Kashif**, J. Ahmad, A.S. Khan, I. Khaliq, F. Bilquees and S. Shaukat. 2014. Sadaf – A potential donor for enhancing frequency of doubled haploids in wheat × maize crossing system. Pakistan J. Agri. Sci. 51 (2): 363-367. (IF 1.240) (ISSN:2076-0906 online)
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 29. **Kashif, M.** and A.S. Khan. 2008. Combining ability studies for some yield contributing traits of bread wheat under normal and late sowing conditions. Pak. J. Agri. Sci. 45(1): 44-49.
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35. **Kashif, M.** and I. Khaliq. 2004. Manifestation of heterosis for some metric characters in intraspecific crosses of *Triticum aestivum* L. *Int. J. Agri. Biol.* 6(1): 132-137.
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37. **Kashif, M.** and I. Khaliq. 2003. Mechanism of genetic control of some quantitative traits in bread wheat. *Pak. J. Biol. Sci.* 6(18): 1586-1590.
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23. Abstracts/Paper/Poster Presentation:

1. Enhancing stem solidness in hexaploid wheat for lodging resistance: Integrating wide hybridization and molecular approaches. Abdullah, M. U.S Rana, M.A. Fida, S. Muhammad, U. Sheraz, M. Asim, M. Qamar, Z. Hassan, S.M.T.A. Naqvi, R. Faridi, **M. Kashif** and R. Maqbool. In International Conference on "Emerging Technologies for Crop Improvement in Pakistan" February 19-20, 2024. University of Agriculture Faisalabad, Pakistan.
2. Leaf rust of wheat. M. Iftikhar, U. Azam, **M. Kashif**, R.M. Ahmad and M.A. Khan. In International Conference on "Emerging Technologies for Crop Improvement in Pakistan" February 19-20, 2024. University of Agriculture Faisalabad, Pakistan.
3. Genomic insights into the VDAC gene family reveal its role in salt stress in soybean. Muneebullah, M. Aleem, Z. Ahmed, A.I. Khan, R. Rehman, S. Iftikhar, R. Afridi and **M. Kashif**. In International Conference on "Emerging Technologies for Crop Improvement in Pakistan" February 19-20, 2024. University of Agriculture Faisalabad, Pakistan.
4. Heat escaping mechanism around flowering in wheat as a key trait for increased yield potential in Pakistan under climate change and weather swings. Azam, U., M.A. Khan, R. Maqbool, **M. Kashif**, M.A. Khan. In International Conference on "Emerging Technologies for Crop Improvement in Pakistan" February 19-20, 2024. University of Agriculture Faisalabad, Pakistan.
5. Assessment of genetic diversity among Pakistani spring wheat (*Triticum aestivum*) L. Genotypes under heat stress. Shaukat, S., M. Rashid, R. Shaukat, **M. Kashif** and J. Ahmad. In: 2nd International Conference on Precision and Sustainable Agriculture Under Climate Change, February 22-23, 2024. Organized by Department of Agricultural Engineering, Khwaja Fareed University of Engineering and Information Technology, Rahim Yar Khan, Pakistan.
6. Harmful effects of cadmium stress on growth, physiological and proteomic characteristics of bread wheat seedlings. **Kashif, M.**, S. Azhar, F. Saleem, M.A. Khan, A. Saeed and A. Shakeel. In: International Conference on Sustainable food security solutions May 29-31, 2023. Organized by Department of Agronomy, IAEE&RD, University of Agriculture, Faisalabad, ISHU, University of Karachi and South China Agricultural University (SCAU), Guangzhou China.
7. Evaluation of pea genotypes under cadmium toxicity at seedling stage. Manzoor, Z., A. Shakeel, A. Saeed, **M. Kashif** and A.I. Khan. In: National Conference of Soil Degradation: An Alarming Threat to Food Security and Environment, 3 – 4 March 2022. Organized by Department of Soil Sciences, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan Pakistan.
8. Exploration of genetic potential of spring wheat (*Triticum aestivum* L.) against high temperature stress. Shaukat, S. **M. Kashif**, R. Shukat, J. Ahmed, I. Kousar, S. Fatima, N. Akhter and A. Ali. In: International Webinar on Plants, abiotic stresses and Economy scenario and Strategies worldwide, 14-15 July 2021. Department of Botany, Government College University Faisalabad, Pakistan.
9. Estimation of quality traits in some Pakistani wheat (*Triticum aestivum* L.) under terminal heat stress condition. Shaukat, S., **M. Kashif**, J. Ahmed and Naeem Akhter. In: 16th ICC Cereal and Bread Congress (Online) 29-31 March 2021, Austria.
10. Genetic studies for yield related traits in tomato (*Solanum lycopersicum* L.). Amir, I., A. Shakeel, **M. Kashif**, A. Saeed and G. Shabir. In: International Horticulture e-Conference February 22-23, 2021. Organized by Pakistan Society for Horticultural Science, Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
11. Agro-nutritional phenotyping and association analysis of okra genotypes. Asif, M., A. Saeed, **M. Kashif**, H. Munir and M. Uzair. In: International Horticulture e-Conference February 22-23, 2021. Organized by Pakistan Society for Horticultural Science, Institute of Horticultural Sciences, University of Agriculture, Faisalabad.

12. Characterization of okra (*Abelmoschus esculentus* L.) genotypes for fruit yield related traits. Saleem, H., A. Shakeel, **M. Kashif**, A. Saeed and G. Shabir. In: International Horticulture e-Conference February 22-23, 2021. Organized by Pakistan Society for Horticultural Science, Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
13. Selection among diverse Pakistani spring wheat (*Triticum aestivum* L.) genotypes against terminal heat stress conditions. S. Shaukat, **M. Kashif**, A. Ali, J. Ahmed, M. Hussain and Naeem Akhtar. 2nd International Conference Climate-Smart Agriculture: The way towards sustainability 26-27 November 2019. Organized by Department of Agronomy, MNS University of Agriculture, Multan-Punjab, Pakistan.
14. Screening of wheat (*Triticum aestivum* L.) genotypes against terminal heat stress conditions. Shaukat, S. A.A. Khan, **M. Kashif**, J. Ahmad, A. Ali, M. Hussain and M. Nadeem. 9th National Wheat Conference 2019. Innovative Trends in Wheat: Way Forward to Sustainable Wheat Production. 12 – 14th February 2019 at College of Agriculture, University of Sargodha, Pakistan.
15. Genetic analysis of quality traits in some Pakistani wheat (*Triticum aestivum* L.) under terminal heat stress condition. Shaukat, S., A.S. Khan, **M. Kashif**, A. Ali, J. Ahmed and M. Hussain. In International Agricultural, Biological and Life Science Conference, 2-3 September 2018. Organized by Trakaya University, Edirne, Turkey.
16. Effect of heat stress and foliar applied benzoic acid on earliness and nutrients uptake in cotton (*Gossypium hirsutum* L.). A. Shaukat, M.F. Saleem, A. Shakeel, **M. Kashif** and M. Shahid. 10th International Congress – Healthy Soils for Food Security, 15 – 17 March 2016. Soil Science Society of Pakistan, Rawalpindi, Pakistan.
17. Genetic Relationship between physiological parameters and the role of stability for yield sustainability under stress and non-stress regimes in wheat. Saleem, S., **M. Kashif**, M. Hussain, A.S. Khan M.F. Saleem, M. Imtiaz and M. Y. Ashraf. II. International Plant Breeding Congress and Eucarpia – Oil and Protein Crops Section Conference, 1 – 5 November 2015. WOW Kremlin Palace Hotel, Antalya, Turkey.
18. Wheat × Maize crossing system: an efficient way of producing doubled haploids in wheat (*Triticum aestivum* L.). Shaukat, S., M.A. Khan, A.S. Khan, **M. Kashif**, J. Ahmad and I. Khaliq. Workshop Latest Technologies for Crop Improvement, 22 – 27 February, 2015. Venezia Palace Hotel, Antalya, Turkey.
19. Screening of rice germplasm for drought stress tolerance at seedling stage. Ahmed, S., M.F. Ashraf, **M. Kashif**, R.M. Atif, Z. Ali and I. Khaliq. Fifth International Conference on Agriculture, Food Security and Climate Change, 9-11 September, 2014. Jointly organized by The University of Poonch Rawalakot and Pakistan Agricultural Scientist's Forum.
20. Inter-relationship among yield contributing traits in wheat (*Triticum aestivum* L.). Ahmed, F., **M. Kashif** and I. Karim. Fifth International Conference on Agriculture, Food Security and Climate Change, 9-11 September, 2014. Jointly organized by The University of Poonch Rawalakot and Pakistan Agricultural Scientist's Forum.
21. High frequency doubled haploid production in wheat (*Triticum aestivum* L.) by using different tiller culture media. M.A. Khan, S. Shaukat, J. Ahmad and **M. Kashif**. International Conference on Applied Genetics and Biotechnology, 8-10 December 2011. Organized by Centre of Agricultural Biochemistry and Biotechnology (CABB) and Office of Research, Innovation and Commercialization, University of Agriculture, Faisalabad. (Poster presentation).
22. Genetic variability for some polygenic traits in spring wheat (*Triticum aestivum* L.). Rashid, J., I. Khaliq, **M. Kashif**, A.S. Khan and M. Ahsan. International Conference on Prospects and Challenges to Sustainable Agriculture, 14-16 July 2011. Organized by University of Azad Jammu and Kashmir, Faculty of Agriculture, Rawalakot.
23. Genetic analysis of some morphological and yield related traits in wheat (*Triticum aestivum* L.) sown under drought. **Kashif, M.**, A.S. Khan, I. Khaliq, W. Ahmad and M. Ahsan. International Conference on Prospects and Challenges to Sustainable Agriculture, 14-16 July 2011. Organized by University of Azad Jammu and Kashmir, Faculty of Agriculture, Rawalakot.
24. Inheritance of some morphological traits in Bread wheat. Haroon R., I. Khaliq, **M. Kashif**, A.S. Khan and M. Ahsan. International Conference on Prospects and Challenges to Sustainable Agriculture, 14-16 July 2011. Organized by University of Azad Jammu and Kashmir, Faculty of Agriculture, Rawalakot.
25. Physio-genetic basis of water stress tolerance in spring wheat (*Triticum aestivum* L.). Khaliq, I, I. Rasool, **M. Kashif**, M. Ahsan and A.S. Khan. International Science Conference on Utilization of Modern Agriculture Technology in Changing Environmental Perspectives. Organized by University of Azad Jammu and Kashmir, Faculty of Agriculture Rawalakot from 21-23 July 2010.
26. Genetic basis for physio-morphological traits under different plant densities in spring wheat. Khaliq, I., **M. Kashif**, S.S. Shad and S.E. Hassan. International Science Conference on Utilization of Modern Agriculture Technology in Changing Environmental Perspectives. Organized by University of Azad Jammu and Kashmir, Faculty of Agriculture Rawalakot from 21-23 July 2010.
27. Genetic interpretation of yield and other related traits in bread wheat. M.A. Chowdhry, S. Ikram, **M. Kashif** and I. Khaliq. International symposium on sustainable crop improvement and integrated management, September 14-16, 2006. Organized by University of Agriculture, Faisalabad.

28. Genetics of some quantitative plant attributes in spring wheat. Khaliq, I., M.S. Iqbal, M.A. Chowdhry and **M. Kashif**. International symposium on sustainable crop improvement and integrated management, September 14-16, 2006. Organized by University of Agriculture, Faisalabad.
29. Combining ability studies in yield related attribute in spring wheat. Khaliq, I., N. Zahid, M.A. Chowdhry and **M. Kashif**. International symposium on sustainable crop improvement and integrated management, September 14-16, 2006. Organized by University of Agriculture, Faisalabad.
30. DNA marker studies on leaf rust disease in wheat. Malik, T.A., A. Iqbal, Sajid-ur-Rehman, M.A. Chowdhry and **M. Kashif**. International Wheat Seminar, February 20-21, 2006. Organized by Wheat Research Institute, AARI, Faisalabad.
31. Genetic determination for some yield and yield related traits in spring wheat. Khaliq, I., M.A. Chowdhry and **M. Kashif**. International Wheat Seminar, February 20-21, 2006. Organized by Wheat Research Institute, AARI, Faisalabad.

24. Seminar/Conference Attended:

1. Two day international conference on “Genomic-Assisted Breeding in Wheat” held on December 10-11, 2024. Organized by NIBGE, Faisalabad, Pakistan.
2. One day brainstorming session on “Farmers adoption of wheat production technology in Pakistan” held on September 20, 2023. Organized by PARC PSDP project on Productivity Enhancement of Wheat, Islamabad.
3. International conference on sustainable food security solutions May 29-31, 2023. Organized by Department of Agronomy, IAEE&RD, University of Agriculture, Faisalabad, ISHU, University of Karachi and South China Agricultural University (SCAU), Guangzhou China.
4. International Wheat Conference October 19-20, 2022, organized by University of Agriculture Faisalabad.
5. Mentoring: How Does IT Connect to Research Ethics September 07, 2021. Organized Department of Plant Pathology University of Agriculture, Faisalabad and Pakistan Phytopathological Society (PPS).
6. Greenhouse Horticulture: Current Status and Future Prospects June 29, 2021. Organized by MNS University of Agriculture, Multan Pakistan.
7. International live webinar on Genetic Engineering Approaches to Develop Climate Smart Rice, 26 June 2021. Organized by Bioingene.com, India.
8. Certification of participation in Webinar on Science Diplomacy June 25th, 2021. Organized jointly by Virtual University and MoITT Government of Pakistan.
9. Certificate of participation in Webinar on Monitoring and Evaluation April 13, 2021. Organized by ORIC Institute of Business Management, Karachi.
10. International Horticulture e-Conference February 22-23, 2021. Organized by Pakistan Society for Horticultural Sciences, Institute of Horticultural Sciences, University of Agriculture, Faisalabad
11. International webinar on Journey of rice research from salinity to fluoride stress response, 31 December 2020. Organized by Bioingene.com, India.
12. 5 Tips for Getting Published: Maximize Your Chances to Get Your Paper Accepted in Academic Journals. October 27, 2020. Organizer Pro-Quest Education partnership with Higher Education Commission, Islamabad.
13. 2nd International Conference on Climate Smart Agriculture: The Way Towards Sustainability, November 26-27, 2019. MNS University of Agriculture Multan-Punjab, Pakistan.
14. Seminar on Slow Pace of Agricultural Biotechnology Adaptability: An Analysis and Way Forward, October 10, 2019. University of Agriculture, Faisalabad In collaboration with PABIC and ICCBS, Karachi.
15. Round Table Conference-II to promote Rural Entrepreneurship in Pakistan, June 21, 2018, ORIC conference room, SIOP Project IARE, University of Agriculture, Faisalabad.
16. One day seminar on Self Sustaining Rural Enterprises, 21st June, 2018. Organized by SIOP Project, IARE, University of Agriculture, Faisalabad.
17. One day seminar on dissemination of seed production technology of vegetable crops, August 20th, 2016. Organized by Vegetable Seed Lab, Institute of Horticultural Sciences, University of Agriculture Faisalabad.
18. Agriculture, trade and development under the WTO regime. National conference organized by WTO Cell, University of Agriculture, Faisalabad and WTO Cell, Planning and Development Department Government of The Punjab, Lahore held on April 9, 2008.
19. Agriculture challenges, opportunities and options under free trade regime. National conference organized by WTO Cell and Agricultural Policy Forum, University of Agriculture, Faisalabad held on May 28-29, 2008.

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