

Name: **Atif Kamran (PhD, University of Alberta, Canada)**
 Nationality: **Pakistani**
 Address: **Seed Centre, Institute of Botany, University of the Punjab, Lahore, Pakistan.**
 Phone: **+92-42-99231152**
 Fax: **+92-42-9231187**
 Cell: **+92-333-5300220**
 E-mail: dratifikamran1@gmail.com

Current JOB:

YEAR	DESIGNATION	INSTITUTION
July 2008 -to date	Assistant Professor	Seed Center, Institute of Botany, University of the Punjab, Lahore, Pakistan.

Publications:**Research Articles**

- Kamran, A., Iqbal, M., Navabi, A., Randhawa, H., Pozniak, C., & Spaner, D. (2013). Earliness *per se* QTLs and their interaction with the photoperiod insensitive allele *Ppd-D1a* in the Cutler × AC Barrie spring wheat population. *Theoretical and Applied Genetics*, 126, 1965-1976.
- Kamran, A., Randhawa, H. S., Pozniak, C., & Spaner, D. (2013). Phenotypic effects of the flowering gene complex in Canadian spring wheat germplasm. *Crop Science*, 53(1), 84-94.
- Kamran, A., Randhawa, H. S., Yang, R. C., & Spaner, D. (2014). The effect of *VRN1* genes on important agronomic traits in high- yielding Canadian soft white spring wheat. *Plant Breeding*, 133(3), 321-326.
- Kamran, A., Kubota, H., Yang, R. C., Randhawa, H. S., & Spaner, D. (2014). Relative performance of Canadian spring wheat cultivars under organic and conventional field conditions. *Euphytica*, 196, 13-24.
- Saleem, M. Y., Asghar, M., Haq, M. A., Rafique, T., Kamran, A., & Khan, A. A. (2009). Genetic analysis to identify suitable parents for hybrid seed production in tomato (*Lycopersicon esculentum* Mill.). *Pakistan Journal of Botany*, 41(3), 1107-1116.
- Kamran, A., Asif, M., Randhawa, H. S., & Spaner, D. (2012). Genetic analysis of flowering gene complex in historical and elite Canadian wheat germplasm. *Canadian Journal of Plant Science*, 92(3), 593-610.

- Asif, M., Yang, R. C., Navabi, A., Iqbal, M., Kamran, A., Lara, E. P., Randhawa, H., Pozniak, C., & Spaner, D. (2015). Mapping QTL, selection differentials, and the effect of Rht- B1 under organic and conventionally managed systems in the Attila× CDC Go spring wheat mapping population. *Crop Science*, 55(3), 1129-1142.
- Perez-Lara, E., Semagn, K., Chen, H., Iqbal, M., N'Diaye, A., Kamran, A., Navabi, A., Pozniak, C., & Spaner, D. (2016). QTLs associated with agronomic traits in the Cutler× AC Barrie spring wheat mapping population using single nucleotide polymorphic markers. *PLoS One*, 11(8), e0160623.
- Ahmed, M., Kamran, A., Asif, M., Qadeer, U., Ahmed, Z. I., & Goyal, A. (2013). Silicon priming: a potential source to impart abiotic stress tolerance in wheat: A review. *Australian Journal of Crop Science*, 7(4), 484-491.
- Noreen, S., & Kamran, A. (2019). Foliar application of zinc sulphate to improve yield and grain zinc content in wheat (*Triticum aestivum* L.). *African Journal of Agricultural Research*, 14(20), 867-876.
- Noreen, S., Kamran, A., & Naeem, A. (2019). Foliar application of Zinc to improve growth, yield and grain content in rice (*Oryza sativa* L.). *Global Advanced Journal of Agricultural Research Sciences*, 8(7), 238-245.
- Raza, M. A., Saeed, A., Munir, H., Munawar, A., Kamran, A., Rehman, F., & Riaz, A. (2018). Improving salt tolerance and weight percent reduction in tomato by exploiting physio-agronomic seedling traits. *African Journal of Agricultural Research*, 13(13), 607-616.
- Semagn, K., Iqbal, M., Chen, H., Perez-Lara, E., Bemister, D. H., Xiang, R., Asif, M., Kamran, A., Diaye, N.A., Randhawa, H., Beres, B.L., Pozniak, C., & Spaner, D. (2021). Physical mapping of QTL in four spring wheat populations under conventional and organic management systems. I. Earliness. *Plants*, 10(5), 853.
- Semagn, K., Iqbal, M., Chen, H., Perez-Lara, E., Bemister, D. H., Xiang, R., Asif, M., Kamran, A., Diaye, N.A., Randhawa, H., Beres, B.L., Pozniak, C., & Spaner, D. (2021). Physical mapping of QTL associated with agronomic and end-use quality traits in spring wheat under conventional and organic management systems. *Theoretical and Applied Genetics*, 134, 3699-3719.

- Kamran, A., Mushtaq, M., Arif, M., & Rashid, S. (2023). Role of biostimulants (ascorbic acid and fulvic acid) to synergize Rhizobium activity in pea (*Pisum sativum* L. var. Meteor). *Plant Physiology and Biochemistry*, 196, 668-682.

Book Chapter

- Kamran, A., Asif, M., Hussain, S. B., Ahmad, M., & Hirani, A. (2013). Major insects of wheat: biology and mitigation strategies. In *Crop Production*. IntechOpen.

Book Reviews

- Kamran, A. and Asif, M. (2011). Climate Change and Crop Production. *Crop Science*, 51, 2299-2300.
- Kamran, A. and Asif, M. (2012). Plant Biomass Conversion. *Crop Science*, 52, 988-989.
- Asif, M. and Kamran, A. (2012). Barley: Production Improvement and Uses. *Crop Science*, 40(3), 448-450.
- Asif, M. and Kamran, A. (2012). Organic Production and Food Quality: A Down to Earth Analysis. *John Wiley & Sons*, 13, 356-357.
- Asif, M. and Kamran, A. (2012). Crop stress and its management: Perspectives and Strategies. *Crop Science*, 52, 1968-1969.
- Asif, M. and Kamran, A. (2011). Plant Breeding for Water Limited Environments. *Crop Science*, 51, 2911-2914.
- Asif, M. and Kamran, A. (2012). Agrobiodiversity management for food security: A critical review. *Experimental Agriculture*, 48(1), 151-152.
- Asif, M. and Kamran, A. (2011). Plant breeding for water limited resources. *Crop Science*, 51, 2911.
- Kamran, A. and Asif, M. (2011). Rice biofortification: lessons for global science and development. *Taylor & Francis*.
- Asif, M. and Kamran, A. (2011). Transgenic horticultural crops: Challenges and opportunities.

Research Projects

Title	Grant	Status
Drought Stress Response After Exogenous Application of Gibberellic Acid and Brassinolide	PKR 200,000	In Progress

Study of Iron transport mediated by Fulvic acid in Wheat (<i>Triticum aestivum</i> L.)	PKR 150,000	Completed
Impact of Ascorbic Acid and Fulvic Acid on <i>Rhizobium</i> activity to synergize growth in Pea (<i>Pisum sativum</i> L. var. Meteor)	PKR 200,000	Completed
Effect of different foliar concentration of zinc sulphate on rice cultivars.	PKR 150,000	Completed

AWARDS / HONORS:

- Awarded with Faculty Development Program (FDP) scholarship worth seven million rupees (Approx. 70,000 CAD) by University of Punjab, Lahore, Pakistan for PhD program.
- Won Canadian Wheat Board Fellowship worth CAD 58000 for the period of 2012-2014
- Won a travel Bursary for Agriculture Biotechnology International conference (ABIC 2010).
- Winner of Best English Speech award in annual speech contest at College of Agriculture Dera Ghazi Khan Sub campus University of Agriculture Faisalabad.
- Got 1st Position in URDU MUSHAIRA competition in Annual Sports and Extracurricular activities at College of Agriculture Dera Ghazi Khan Sub campus University of Agriculture Faisalabad.
- Remained President of Tutorial Group Meeting during the Year 2002, during B.Sc. (Hons.) at College of Agriculture Dera Ghazi Khan Sub campus University of Agriculture Faisalabad.

MEMBERSHIP OF LEARNED SOCIETIES:

- Member of the Golden Key Academic Honor Society (Which is awarded to the top 10% of the students based on CGPA in different universities of the world)
- Society of Plant Breeders and Geneticists (SOPBG) University of Agriculture Faisalabad, Pakistan
- Member Canadian Society of Agronomy.
- Member Crop Science Society of America
- Member American Society of Agronomy
- Member Soil Science Society of America

TRAINING/SHORT COURSES, LECTURES, WORKSHOPS, SEMINARS AND CONFERENCES ATTENDED:**Trainings**

- Successfully completed Faculty Orientation Program held during August 15-21, 2015
- Successfully completed IFC World Bank Group training titled “ Communicating effectively”
- Certified Trainer and Focal Person (Botany) of Active Citizenship Program launched by British Council and Higher Education Commission of Pakistan.

Volunteer

- Volunteered for conference ‘Canadian society of Plant Biologists (CSPB 2012) held during June 25-27, 2012, at University of Alberta, Canada.
- Volunteered as a community Garden Manager, in Michener Park, Edmonton Alberta (International Graduate student residence)
- Volunteered for Departmental Orientation during Fall 2009, Winter 2010, Fall 2010, Winter 2011, Fall 2012 at Agricultural Food and Nutritional Science, University of Alberta.
- Mentored four new international students at Agricultural Food and Nutritional Science, University of Alberta during 2011-13.

Administrative Experience

- Panelist (Subject specialist/ Technical member) for Punjab Public Service Commission for recruitment of Scientific Officer Plant breeding and Genetics
- Member Doctoral Program Coordination Committee (DPCC) in Department of Plant Breeding, Faculty of Agricultural Sciences.
- Coordinator BS (ADP) Program April 2021-date.
- Worked as Coordinator MSc at Institute of Botany from April 2020 to August 2022.
- Secretary Purchase committee Institute of Botany, University of the Punjab March 2022 to date.
- Member Examination committee, Institute of Botany, University of the Punjab.
- Focal Person, Prime Minister Laptop distribution program.

- Currently working as ‘In Charge Seed Centre’, Institute of Botany since 2020.
- Served as Manager Seeds in “Suncrop Pesticides international” and was responsible for recruiting technical and non-technical staff at farm.
- Served as Research and Development Officer in Warble (Pvt) Ltd. and was responsible for recruiting technical staff at farm.

Conferences

1. Session Chair, 8th International conference on “Advances in Plant Science in the era of Climate change” during Oct. 26-28, 2022.
2. 4th International Conference on Biosciences Organized by Department of plant Sciences, Quaid e azam University Islamabad. June 15, 2021
3. Agriculture Biotechnology International Conference (ABIC), held in September, 2010, from ABI foundation Poster presentation
4. First Canadian Wheat Symposium held at Winnipeg during Nov 30 to December 2, 2011.
5. Attended conference ‘Canadian society of Plant Biologists (CSPB 2012) held during June 25-27, 2012, at University of Alberta, Canada
6. Attended 4th Wheat production Technology Course conducted By Regional Agricultural Economic Development Center Government of Punjab, Agriculture Department of Pakistan.