

# DR. SAJID ALI

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**E-mail** [sajid.agronomy@pu.edu.pk](mailto:sajid.agronomy@pu.edu.pk)  
**Date of Birth** 23 August 1975  
**Nationality** Pakistani  
**Marital Status** Married (3 Children)



## PROFILE:

Highly organized and dedicated, with positive attitude. Abide to handle multiple assignments under high pressure and consistently most tight deadlines. Excellent written, oral, and interpersonal communication skills. Thrive on studying and working in challenging environment.

## ACADEMIC QUALIFICATION:

### 2006-2011

**PhD – Agronomy (magna cum laude).** Leaf yield and polyphenols of artichoke (*Cynara cardunculus* L.) influenced by harvest frequency and herbicide stress. Justus-Liebig University, Giessen, **GERMANY**

[http://geb.uni-giessen.de/geb/volltexte/2011/8215/pdf/AliSajid\\_2011\\_06\\_17.pdf](http://geb.uni-giessen.de/geb/volltexte/2011/8215/pdf/AliSajid_2011_06_17.pdf)

### 2000-2002

**M.Sc. (Hons.) Agronomy (4.00/4.00 CGPA).** Weed-crop competition in wheat (*Triticum aestivum* L.) as affected by nitrogen levels and herbicide doses. **Silver Medalist (First Position) in Department of Agronomy, University of Agriculture, Faisalabad PAKISTAN**

### 1997-2000

**B.Sc. (Hons.) Agronomy (3.91/4.00 CGPA),** Department of Agronomy, University of Agriculture, Faisalabad **PAKISTAN**

### 1991-1993

**F. Sc/A-Level Pre-medical (51.84 %)**

Board of Intermediate and Secondary Education, Faisalabad **PAKISTAN**

### 1989-1991

**Matric /O-Level Science (74.00 %)**

Board of Intermediate and Secondary Education, Faisalabad **PAKISTAN**

## HONORS / DISTINCTIONS:

- **HEC** (Higher Education Commission) Government of Pakistan Scholarship for Ph D Studies awarded in 2005.
- **Silver medal (1<sup>st</sup> position)** in M. Sc (Hons) Agronomy awarded in 2002.
- **3<sup>rd</sup> position** in B. Sc (Hons) Agriculture (Agronomy) awarded in 2000.
- University (UAF) **merit scholarship** awarded 1997-2000.

## PUBLICATIONS:

Madiha Iftikhar, M. Munir, Wajeeha, M. R. Tariq, S. W. Ali, M. Shafiq, **S. Ali**, Z. Ahmad, A. Hameed, W. Safdar, A. Ahmad, Z. Umer, M. Khalid and M. Iqbal. **2023**. Development of cottonseed-based emulsions for encapsulation of vitamin A. Food Science and Technology. (DOI: 10.1590/fst.97222) [**IF: 2.602; HJRS: W**]

Muhammad Tariq Manzoor, **S. Ali**, A. Fatima, M. R. Tariq, Q. Ali, M. Shafiq, M. A. Iqbal, A. Zahid and A. Hussain. **2022**. Analyzing local spinach plant diversity using the rpoC1 and matK DNA barcode technique. Pakistan Journal of Agricultural Sciences. 59 (6): 1029-1034. (DOI:10.21162/PAKJAS/22.48) [**IF: 0.856; HJRS: X**]

Muhammad Ali, H. Maqsood, S. Maqsood, M. Ashfaq, **S. Ali** and M. Asrar. **2022**. Efficacy of different botanicals products against *Schizaphis graminum* (Rondani) on wheat in Punjab, Pakistan. International Journal of Biology and Biotechnology. 19 (4): 579-584 [**HEC Recognized: HJRS: Y**]

Tasleem Akram, S. Mustafa, K. Ilyas, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq, M. Rao, W. Safdar, M. Iftikhar, A. Hameed, M. Manzoor, M. Akhtar, Z. Umer, and Z. Basharat. **2022**. Supplementation of banana peel powder for the development of functional broiler nuggets. PeerJ. (DOI 10.7717/peerj.14364) [**IF: 3.061; HJRS: W**]

Muhammad Rizwan Tariq, F. Shaheen, S. Mustafa, **S. Ali**, A. Fatima, M. Shafiq, W. Safdar, M. N. Sheas, A. Hameed, and M. A. Nasir. **2022**. Phosphate solubilizing microorganisms isolated from medicinal plants improve growth of mint. PeerJ. (DOI 10.7717/peerj.13782) [**IF: 3.061; HJRS: W**]

Muhammad Ijaz, A. Arshad, M. A. Awan, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq, S. Ahmed, M. N. Sheas, M. Iftikhar, S. Ahmed, M. A. Nasir, G. Kausar, A. U. I. Javed, and W. Safdar. **2022**. Exploring the potential of curry leaves on mercury- induced hepatorenal toxicity in an animal model. Food Science & Nutrition. 10 (2): 499-506 (DOI: 10.1002/fsn3.2683) [**IF: 2.863; HJRS: W**]

Muhammad Asif, A. A. Shahid, N. Ahmad and **S. Ali**. **2021**. Ganodermin, as a biopesticide from *Ganoderma lucidum* to reduce incidence of early blight of tomato. Pakistan

Journal of Agricultural Sciences. 58 (5): 1537-1545 (DOI: 10.21162/PAKJAS/21.912). [IF: 0.856; HJRS: X]

Muhammad Ajmal Rana, R. Mahmood, and S. Ali. 2021. Soil urease inhibition by various plant extracts. PLoS ONE. 16 (10) (DOI: <https://doi.org/10.1371/journal.pone.0258568>). [IF: 3.752; HJRS: W]

Zahoor Ahmad, E. A. Waraich, R. M. S. Tariq, M. A. Iqbal, S. Ali, W. Soufan, M. M. Hassan, M. S. Islam, and A. E. Sabagh. 2021. Foliar applied salicylic acid ameliorates water and salt stress by improving gas exchange and photosynthetic pigments in wheat. Pakistan Journal of Botany. 53 (5): 1553-1560 (DOI: [http://dx.doi.org/10.30848/PJB2021-5\(17\)](http://dx.doi.org/10.30848/PJB2021-5(17))) [IF: 1.101; HJRS: X]

Muhammad Rizwan Afzal, M. T. Manzoor, S. Ali, A. Fatima, M. R. Tariq, M. Anees, S. Nawaz, M. Atif, N. Rafaqat and A. A. Shahid. 2021. Gene expression evaluation of multigenic cotton (*Gossypium hirsutum*) against cotton leaf curl virus. International Journal of Agriculture and Biology. 26 (1): 169–176 (DOI: 10.17957/IJAB/15.1821) [HEC Recognized: HJRS: Y]

Iqra Rehman, M. Riaz, S. Ali, M. S. Arif, S. Ali, and M. N. Alyemeni. 2021. Evaluating the effects of cotton stick, corncob and rice straw biochar rates with FYM under optimal mineral fertilizer on tomato growth, soil organic C and biochemical quality in low fertility soil. Sustainability. 13: 2652 (DOI: 10.3390/su1305265) [IF: 3.889; HJRS: W]

Waheed Anwar, K. Nawaz, A. Akhter, M. A. Javed, A. A. Shahid, M. S. Haider, M. Z. U. Rehman, and S. Ali. 2021. Characterization of fungal flora associated with sternorrhyncha insects of cotton plants. Biologia. 76: 533–547 (DOI: 10.2478/s11756-020-00549-0) [IF: 1.653; HJRS: X]

Sehrish Iftikhar, W. Anwar, A. Akhter, S. Ali, H. A. A. Khan, M. Khurshid, and M. S. Haider. 2021. Genetic analysis and pathogenic characterization of *Alternaria tenuissima* induced fruit rot of bitter melon. Biodiversitas. 22 (2): 617-625 (DOI: 10.13057/biodiv/d220213) [HEC Recognized: HJRS : Y]

Adnan Zahid, S. Ali, M. Ahmed, N. Iqbal. 2020. Improvement of soil health through residue management and conservation tillage in rice-wheat cropping system of Punjab, Pakistan. Agronomy. 10: 1844 (DOI:10.3390/agronomy10121844) [IF: 3.417; HJRS: W]

Hafiz Muhammad Khalid Abbas, A. Ahmad, W. Dong, J. Xiang, J. Iqbal, S. Ali, W. Akram and Yu-J. Zhong. 2020. Heterologous WRKY and NAC transcription factors triggered resistance in *Nicotiana benthamiana*. Journal of King Saud University-Science. 32: 3005-3013 [IF: 4.011; HJRS: W]

- Sarah Shakeel, R. Mahmood, A. Fatima and **S. Ali**. 2020. Application of response surface methodology to optimize ammonia volatilization determination by enclosure method. *Communications in Soil Science and Plant Analysis*. 51 (15): 2038-2044 [IF: 1.327; HJRS: X]
- Hafiz Azhar Ali Khan, W. Akram, and **S. Ali**. 2020. Activities of select enzymes involved in insecticide resistance in spinosad-resistant and -susceptible strains of *Musca domestica*. *Journal of Medical Entomology*. 57 (2): 620-622 [IF: 2.278; HJRS: W]
- Khaliq Dad, A. Wahid, A. A. Khan, A. Anwar, M. Ali, N. Sarwar, **S. Ali**, A. Ahmad, M. Ahmad, K. A. Khan, M. J. Ansari, and A. B. Gulshan. 2019. Nutritional status of different biosolids and their impact on various growth parameters of wheat (*Triticum aestivum* L.). *Saudi Journal of Biological Sciences*. 26 (7): 1423-1428 [IF: 2.802]
- Sajid Ali**, A. Fatima, S. Khalid, F. Saeed, M. Shafiq, S. Afzaal, M. S. Haider, W. Tariq and J. Khan. 2019. Virus titer as a disease resistance indicator in Tomato. *Bangladesh Journal of Botany*. 48 (3): 609-617 [IF: 0.209]
- Farman Ahmad, W. Anwar, M. A. Javed, R. Basit, A. Akhter, **S. Ali**, H. A. A. Khan, H. Amin and M. S. Haider. 2019. Infection mechanism of *Aspergillus* and *Fusarium* species against *Bemisia tabaci*. *Mycopath*. 17(2): 69-78
- Sajid Ali**, A. Fatima, Q. A. Bukhari, M. A. Iqbal, M. A. Rana, and S. Afzaal. 2019. Effect of nitrogen fertilization on polyphenols in *Trachyspermum ammi* and *Foeniculum vulgare* under various lights interception. *Zeitschrift fur Arznei- und Gewurzpflanzen*. 23 (2): 67-71 [IF: 0.075]
- Muhammad Aamir Iqbal, A. Hamid, T. Ahmad, M. H. Siddiqui, I. Hussain, **S. Ali**, A. Ali, and Z. Ahmad. 2019. Forage sorghum-legumes intercropping: effect on growth, yields, nutritional quality and economic returns. *Bragantia*. 78 (1): 82-95 [IF: 1.025]
- Farman Ahmad, W. Anwar, M. A. Javed, R. Basit, A. Akhter, **S. Ali**, H. A. A. Khan, H. Amin and M. S. Haider. 2019. Infection mechanism of *Aspergillus* and *Fusarium* species against *Bemisia tabaci*. *Mycopath*. 17 (2): 69-78
- Maroof Siddique, N. A. Tahir, S. Ali, S. Farooq, H. H. E. Peerzada and S. N. Khan. 2019. Seed quality evaluation with respect to vigor, viability and fungi associated with commercial rice germplasm. *Mycopath*. 17 (1): 29-38
- Ammara Fatima, **S. Ali**, M. Ijaz, R. Mahmood, J. Khan, A. I. Dar, M. Ahmad and S. Sattar. 2018. Boron application improves the performance of fine grain rice cultivars. *Pakistan Journal of Agricultural Sciences*. 55 (4): 761-766 [IF: 0.618]

- Sajid Ali**, S. Afzaal, A. Fatima, S. W. Ali, M. Anees, F. Saeed, Q. A. Bukhari, A. N. Shahzad, M. Munir. **2018**. Effect of different lights interception and varying concentration of nitrogen fertilization on polyphenols in *Nigella sativa*. Zeitschrift für Arznei- und Gewürzpflanzen. 22 (3): 138-141 [IF: 0.080]
- Waheed Anwar, **S. Ali**, K. Nawaz, S. Iftikhar, M. Asim Javed, A. Hashem, A. A. Alqarawi, E. F. A. Allah and A. Akhter. **2018**. Entomophthogenic fungi *Clonostachys rosea* as a biocontrol agent against whitefly (*Bemisia tabaci*). Biocontrol Science and Technology. 28 (8): 750-760 [IF: 1.000]
- Muhammad Aamir Iqbal, A. Iqbal, Z. Maqbool, Z. Ahmad, E. Ali, M. H. Siddiqui and **S. Ali**. **2018**. Revamping soil quality and correlation studies for yield and yield attributes in sorghum-legumes intercropping systems. Bioscience Journal. 34 (3): 1165-1176 [IF: 0.375]
- H. A. A. Khan, W. Akram, T. Khan, M. Arshad, **S. Ali**, R. Mahmood and F. Hafeez. **2017**. Leaf traits and gall formation in mango, *Mangifera indica* L. Pakistan Journal of Agricultural Sciences. 54 (1): 91-96 [IF: 0.677]
- Muhammad Ali, A. A. Shahid, **S. Ali**. **2017**. First Report of *Pythium debaryanum* Causing Chilli Damping Off in Pakistan. Plant Disease. 101 (2): 391. (DOI: 10.1094/PDIS-08-16-1209-PDN) [IF: 2.941]
- Sajid Ali**, B. Honermeier. **2016**. Post emergence herbicides influence the leaf yield, chlorophyll fluorescence and phenolic compounds of artichoke (*Cynara cardunculus* L.). Scientia Horticulturae. 203: 216-223. DOI 10.1016/j.scienta.2016.03.038 [IF: 1.624]
- Muhammad Saqib, M. Ijaz, **S. Ali**, M. Latif, M. Ahmad, N. Akbar. **2016**. The effect of different weed management strategies on the growth and yield of direct seeded dry rice (*Oryza sativa* L.). Planta Daninha. 34 (1): 57-64. (DOI: 10.1590/S0100-83582016340100006) [IF: 0.461]
- S. Iftikhar, A. A. Shahid, **S. Ali**. **2016**. First report of *Curvularia lunata* var. *aeria* causing leaf blight on tomato in Pakistan. Journal of Plant Pathology. 98 (1): 180. [IF: 1.267]
- Naeem Iqbal, H. A. A. Khan, A. M. Alvi, S. Saeed, T. Khan, **S. Ali**, Q. Saeed. **2016**. Knowledge, attitude and practices of household people about termites in southern Punjab, Pakistan. Journal of Entomology and Zoology Studies. 4 (5): 17-21.
- Sajid Ali**, M. Shahbaz, A. N. Shahzad, H. A. A. Khan, M. Anees, M. S. Haider and A. Fatima. **2015**. Impact of copper toxicity on stone-head cabbage (*Brassica oleracea* var. *capitata*) in hydroponics. PeerJ. (DOI: 10.7717/peerj.1119) [IF: 2.183]

- Muhammad Ijaz, M. A. S. Raza, **S. Ali**, K. Ghazi, T. A. Yasir, M. Saqib and M. Naeem. **2015**. Differential Planting Density Influences Growth and Yield of Hybrid Maize (*Zea mays* L.). Journal of Environmental and Agricultural Sciences. 2 (3): 1-5
- Rashid Mahmood, A. A. Shahid, A. Usmani, M. S. Haider and **S. Ali**. **2014**. Nitrification Inhibition Potential of Various Leaf Extracts. Philippine Agricultural Scientist. 97 (3): 287-293 [**IF: 0.256**]
- Hafiz Muhammad Khalid Abbas, M. A. Farooq, S. Atta, M. N. Subhani, M. S. Haider and **S. Ali**. **2014**. Evaluation of different sugar beet varieties against *Fusarium oxysporum* f. sp. betae and *Alternaria alternate*. Pakistan Journal of Phytopathology 26 (1): 115-117 [**HEC Recognized**]
- Sajid Ali**, M. Shahbaz, M. A. Nadeem, M. Ijaz, M. S. Haider, M. Anees and H. A. A. Khan. **2014**. The relative performance of weed control practices in September sown maize. Mycopath 12 (1): 43-51
- Sajid Ali** & B. Honermeier. **2013**. Can herbicide stress in artichoke (*Cynara cardunculus* L.) be detected by chlorophyll fluorescence? Int. J. Agri. Biol. 15 (6): 1295-1300 [**IF: 0.902**]
- Bernd Honermeier, **S. Ali**, B. Leschhorn, A. Mahmood, M. Ijaz, M. Russo, M. Shafiee, H. Ullah and S. Zeller. **2013**. Cultivation of medicinal and spice plants in Germany- A Review. Int. J. Agri. Biol. 15 (6): 1379-1388 [**IF: 0.902**]
- Sajid Ali** and B. Honermeier. **2013**. Flavonoid concentrations of artichoke (*Cynara cardunculus* L.) leaves under the influence of harvest frequency and plant density. Zeitschrift fur Arznei- und Gewurzpflanzen. 18 (2): 80–86 [**IF: 0.281**]
- Sajid Ali**, A. Laique, M. Shafique, S. J. Khan and S. Atta. **2012**. Comparative Study of Mushroom growth on different media. Mycopath 10 (1): 37-39
- Sajid Ali** and B. Honermeier. **2011**. Effect of harvest frequency and plant density on leaf yield and caffeoylquinic acids in artichoke (*Cynara cardunculus* L.). Zeitschrift fur Arznei- und Gewurzpflanzen. 16 (4): 162 – 170 [**IF: 0.286**]
- Hafiz Mujeeb ur Rehman, **S. Ali** and M. M. Akram. **2011**. Resource Conservation Strategy for enhancing wheat productivity in Pakistan. Mycopath 9 (2): 79-85
- Sajid Ali**. **2011**. Leaf yield and polyphenols of artichoke (*Cynara cardunculus* L.) influenced by harvest frequency and herbicide stress. Ph. D Thesis. Inst. Agron. Plant Breeding I, JLU, Giessen, Germany (**ISBN: 978-3-8359-5783-1**)
- Sajid Ali**, A. Iqbal and M. A. Zia. **2003**. Weed crop combination in wheat (*Triticum aestivum* L.) by nitrogen levels and herbicide doses. Pakistan Journal of Biological Sciences. 6 (5): 452-455 [**HEC Recognized**]

**Sajid Ali**, M. Akhtar and A. Iqbal. **2003**. Effect of nitrogen and herbicide on growth and yield of wheat. *Asian Journal of Plant Sciences*. 2 (17-24): 1212-1214.

**Sajid Ali**. **2002**. Weed-crop competition in wheat (*Triticum aestivum* L.) as affected by nitrogen levels and herbicide doses. M. Sc. Thesis. Dept. Agron. Univ. Agri. Faisalabad.

## **BOOK CHAPTERS:**

Mukhtar Ahmed, **S. Ali**, A. Zahid, S. Ahmad, N. A. Yasin, and R. Hayat. **2023**. Climate Change and Process-Based Soil Modeling. pp 73-106. In: *Global Agricultural Production: Resilience to Climate Change*. (Ed) Mukhtar Ahmed. Springer Nature Switzerland AG. Gewerbestrasse 11, 6330 Cham, Switzerland.

**Sajid Ali**, A. Fatima, A. Zahid, S. Shoukat, Bisma, R. Khaliq, N. Khan, U. Ali and A. Akram. **2022**. Mulching and Micronutrient Synergisms for Sustainable Crop Production. pp 175-198. In: *Mulching in Agroecosystems: Plants, Soil & Environment*. (Eds.) Kashif Akhtar, Muhammad Arif, Muhammad Riaz, Haiyan Wang. September 15. Springer Nature Singapore Pte Ltd. 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore (DOI: 10.1007/978-981-19-6410-7)

Muhammad Rizwan Tariq. S. W. Ali, **S. Ali** and M. Shafiq. **2022**. Health and Medical Properties of Turmeric Oleoresin. pp 285-300. In: *Handbook of Oleoresins: Extraction, Characterization and Applications*. (Eds.) Gulzar Ahmad Nayik, Amir Gull, Tariq Ahmad Ganaie. August 07. CRC Press, Taylor and Francis Group, Boca Raton, London, New York. (DOI: 10.1201/9781003186205)

Hafiz Muhammad Khalid Abbas, S. M. H. Askri, **S. Ali**, A. Fatima, M. T. Qamar, S. Xue, Z. Muhammad, W. Akram, and Y. Zhong. **2022**. Mechanism Associated with Brassinosteroids Crosstalk with Gibberellic Acid in Plants. pp 101-114. In: *Brassinosteroids Signalling Intervention with Phytohormones and Their Relationship in Plant Adaptation to Abiotic Stresses*. (Eds.) Mohd Tanveer Alam Khan, Mohammad Yusuf, Fariduddin Qazi, Aqeel Ahmad. March 17. Springer Nature, Singapore.

Muhammad Aamir Iqbal, **S. Ali**, A. E. Sabagh, Z. Ahmad and M. H. Siddiqui. **2020**. Changing Climate and Advances on Weeds Utilization as Forage: Provisions, Nutritional Quality and Implications. pp 1-13. In: *Invasive Species: Introduction Pathways, Economic Impact, and Possible Management Options*. (Ed) Hamadttu Abdel Farag El-Shafie (ISBN: 978-1-78985-850-1). September 23. (DOI: 10.5772/intechopen.91386)

## **CONFERENCE PROCEEDINGS:**

Anum Muneer, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq and M. Anees. **2022**. Analyzing awareness about food labelling among consumers in Pakistan. 3<sup>rd</sup> International

Congress on Life, Social, and Health Sciences in A Changing World. Turkey/Germany. pp 979-984. July-02-03 (ISBN: 978-605-71461-9-9).

Awisra Rehman, Z. Basharat, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq, M. Anees. **2022**. COMPARATIVE ANALYSIS OF CONSUMER'S PREFERENCES TOWARDS RAW AND PACKED MEAT. 3<sup>rd</sup> International Congress on Life, Social, and Health Sciences in A Changing World. Turkey/Germany. pp 1038-1046. July-02-03 (ISBN: 978-605-71461-9-9).

Sabahat, Wazuha, M. Rehman, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq and M. Anees. **2021**. Comparative assessment of consumer's behavior towards raw milk and packed milk. 3<sup>rd</sup> International Congress on Life, Social, and Health Sciences in A Changing World. Istanbul, Turkey. pp 349-355. November 13-14 (ISBN: 978-605-74191-9-4).

Kanza Saleem, M. Rehman, Wazuha, M. R. Tariq, S. W. Ali, **S. Ali** and M. Shafiq. **2021**. Trend in consumer gratification towards fast-food industry: A cross-sectional study. 3<sup>rd</sup> International Congress on Life, Social, and Health Sciences in A Changing World. Istanbul, Turkey. pp 356-362. November 13-14 (ISBN: 978-605-74191-9-4).

Muhammad Rizwan Tariq, M. Sarfraz, S. W. Ali, **S. Ali**, A. Fatima, M. Anees and M. Shafiq. **2021**. Analysing the consumption of carbonated drinks among adults in Pakistan. 6<sup>th</sup> International Istanbul Scientific Research Congress. Istanbul, Turkey. pp 120-126. October 30-31 (ISBN: 978-605-74191-8-7).

Mubshra Rehman, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq and M. Anees. **2021**. Exploring consumer behaviour and attitude towards food delivery services in COVID-19 pandemic. 6<sup>th</sup> International Istanbul Scientific Research Congress. Istanbul, Turkey. pp 615-622. October 30-31 (ISBN: 978-605-74191-8-7).

**Sajid Ali** and B. Honermeier. **2010**. Herbicides affect yield, physiology and polyphenols in artichoke leaves (*Cynara cardunculus* L.). 53<sup>rd</sup> Annual conference of German Society of Agronomy (Coexistence of green gene technology). Hohenheim, Germany. pp 27-30. September 28-30.

Bernd Honermeier, **S. Ali** C. Matthes, S. Goettmann and F. Yan. **2009**. Polyphenole in der Artischocke (*Cynara cardunculus* ssp. *flavescens* WIKL.)-entwicklungspysiologische und agronomische Einflussfaktoren. 44th lecture's session (50 years of Agronomic Society- Review and future prospects). Weihenstephan science center, Freising, Germany. pp 85-87. March 16-17.

**Sajid Ali** and B. Honermeier. **2008**. Effect of Harvest frequency on leaf yield and CQA content of artichoke (*Cynara cardunculus* ssp. *Flavescens* WIKL.). Joint conference of (18<sup>th</sup>) Bernburger winter seminar & (5<sup>th</sup>) symposium of medicinal plants and spice (Quality, efficiency and sustainability). Bernburg, Germany. pp 56-57. February 18-21.



**Sajid Ali** and B. Honermeier. **2008**. Effect of herbicides on photosynthetic yield and leaf yield in artichoke (*Cynara cardunculus* L.). Joint conference of (51<sup>st</sup> Annual conference) German Society of Agronomy & (51<sup>st</sup> annual conference) German society of plant breeding (Bio diversity in crop production). Goettingen, Germany. pp 55-56. October 01-02.

**Sajid Ali** and B. Honermeier. **2007**. Effect of Harvest frequency on leaf yield and concentration of polyphenols in artichoke (*Cynara cardunculus* L.). 50th Annual conference of German Society of Agronomy (50 years of Agronomic society- Review and future prospects). Bonn, Germany. pp 242-243. September 18-20.

Christian Matthes, F. Yan, **S. Ali** and B. Honermeier. **2006**. Morphologische und tageszeitliche Einflüsse auf den Gehalt an Polyphenolen in den Blattdrogen der Artischocke (*Cynara cardunculus*). 49th Annual conference of German Society of Agronomy (Renewable Resources in Agronomy). Rostock, Germany. pp 192-193. September 19-21.

## **CONFERENCE ABSTRACTS:**

**Sajid Ali**, A. Zahid, M. Ahmad, A. Fatima, W. Anwar, T. Raza, M. Arif and A. Ayub. **2022**. Long-term impact of conservation tillage and residue management on soil biological indicators in rice-wheat cropping system of Pakistan. In Abstracts, First International Conference on Plant Protection, 2022. College of Agricultural and Marine Sciences, Sultan Qaboos University, Muscat, Oman. pp 71. December 05-07.

Adnan Zahid and **S. Ali**. **2022**. Screening of wheat genotypes by using yield potential and stability indices techniques under water deficient conditions. In Abstracts, First International Conference on Plant Protection, 2022. College of Agricultural and Marine Sciences, Sultan Qaboos University, Muscat, Oman. pp 74. December 05-07.

Maryam Muhammad Ali Mubarak, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq and M. Anees. **2022**. Characterization of the nutritional, physio-chemical and phytochemical profile of multi-functional cucumber-ginger drink during storage. In Abstracts, International Food & Nutrition Conference, Swat (KPK) Pakistan. pp 83-84. August 18-20.

Kanwal Shahzadi, M. R. Tariq, S. W. Ali, **S. Ali**, M. Shafiq and M. Anees. **2022**. Effect of Citrus Peel Powder in Marinade for Safety, Quality and Tenderness of Chicken. In Abstracts, International Food & Nutrition Conference, 2022 Swat (KPK) Pakistan. pp 113. August 18-20.

- Sajid Ali**, A. Zahid, M. Ahmed, A. Fatima, M. R. Tariq and N. Iqbal. **2022**. Effect of residue management and conservation tillage practices on soil physio-chemical properties in rice wheat cropping system of Pakistan. In Abstracts, International Conference on Recent Trends in Environmental Sustainability. Department of Environmental Science, COMSATS University Islambad, Vehari Campus. pp 208. February 21-23.
- Ammara Fatima, H. Iqbal, H. A. A. Khan and **S. Ali**. **2022**. Effect of ZnO nanoparticles synthesized using *bacillus thuringiensis* on demographic parameters of *Musca domestica*. In Abstracts, International Conference on Recent Trends in Environmental Sustainability. Department of Environmental Science, COMSATS University Islambad, Vehari Campus. pp 155. February 21-23.
- Iqra Shahid, A. Fatima, **S. Ali** and S. Afzaal. **2021**. Molecular Identification and Incidence of *Stenotrophomonas maltophilia* in Dairy Environment. In Abstracts, 3<sup>rd</sup> International Conference on Emerging Trend in Earth & Environmental Sciences. College of Earth and Environmental Sciences, University of the Punjab Lahore Pakistan. pp 26. November 16-18.
- Sajid Ali**, A. Fatima, M. R. Tariq, M. Anees, and M. T. Manzoor. **2021**. Chlorophyll Fluorescence: An Indicator for Detection of Herbicide Stress in Artichoke. In Abstracts, 16<sup>th</sup> National Weed Science Congress of Weed Science Society of Pakistan. University of Agriculture, Peshawar. pp 44. July 08-10.
- Muneeb Ullah Khan, **S. Ali**, A. Fatima, M. R. Tariq, M. Anees, and M. T. Manzoor. **2021**. Efficacy of Neem (*Azadirachta indica*) Extracts on Bacterial Diseases of Cabbage & Cauliflower. In Abstracts, 1<sup>st</sup> International Conference on STEMS (Science, Technology, Engineering, Mathematics and Social Sciences). The Islamia University of Bahawalpur, Pakistan. pp 102-103. March 30-31.
- Sajid Ali**, A. Fatima, S. Afzaal, H. A. A. Khan, M. Anees, and M. T. Manzoor. **2020**. Medicinal value of neglected herbs: famers' perspective. In Abstracts, International Horticulture Conference (IHC 2020): Revolutionizing Horticulture for Secured Future. Institute of Agricultural Sciences, University of the Punjab, Lahore- Pakistan. pp 33. February 26-28.
- Muhammad Riaz, M. Adnan, I. Rehman, **S. Ali**, R. Mahmood, M. S. Arif, and Tahira Yasmeen. **2020**. biochar and mineral fertilizer enhanced radish (*Raphanus raphanistrum*) biomass, soil organic carbon and available nutrients in alkaline calcareous soil. In Abstracts, International Horticulture Conference (IHC 2020): Revolutionizing Horticulture for Secured Future. Institute of Agricultural Sciences, University of the Punjab, Lahore- Pakistan. pp 40. February 26-28.

Moazzam Anees, A. Z. Awan, M. T. Manzoor, **S. Ali**, S. W. Ali, M. R. Tariq, and M. Shafiq. **2020**. Post-harvest treatments improve the physicochemical characteristics of guava (*psidium guajava*) fruit cv. surahi. In Abstracts, International Horticulture Conference (IHC 2020): Revolutionizing Horticulture for Secured Future. Institute of Agricultural Sciences, University of the Punjab, Lahore-Pakistan. pp 03. February 26-28.

Faiza Shafique Khan, C. Hu, M. Shafiq, **S. Ali**, and M. Anees. **2020**. MYC2 transcription factor mediates by jasmonates signaling pathway stimulate the tolerance mechanism against the abiotic stress in plants. In Abstracts, International Horticulture Conference (IHC 2020): Revolutionizing Horticulture for Secured Future. Institute of Agricultural Sciences, University of the Punjab, Lahore- Pakistan. pp 64. February 26-28.

**Sajid Ali**, A. Fatima and S. Afzaal. **2019**. Anti-bacterial potential of herbal polyphenols: management strategy for drug resistant bacterial pathogens. In Abstracts, International Conference of Punjab University: Recent Advances in Molecular Sciences. University of the Punjab, Lahore- Pakistan. pp 262. November 06-08.

Sohaib Afzaal, F. Zahid, **S. Ali**, and M. S. Haider. **2019**. Effects of fermentation and sterilization on phytic acid contents in wheat bran and sensory evaluation of bread baked with pre-fermented and pre-sterilized bran. International Conference of Punjab University: Recent Advances in Molecular Sciences. University of the Punjab, Lahore- Pakistan. pp 296. November 06-08.

**Sajid Ali**, Ammara Fatima, Sohaib Afzaal, Hafiz Azhar Ali Khan, Moazzam Anees and Muhammad Tariq Manzoor. **2019**. Do farmers know the medicinal and economical importance of non-traditional herbs? In Abstracts, 6th International Conference on "Sustainable Agriculture in Changing Climate: Strategies and Management". University of the Poonch Rawalakot, AJK. June 19-21.

**Sajid Ali**, A. Fatima, S. Afzaal, H. A. A. Khan, M. Anees and M. T. Manzoor. **2019**. Medicinal value of non-traditional crops: Do the farmers care about it? In Abstracts, International Horticulture Conference. Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan. pp 136. February 26-28.

**Sajid Ali**, A. Fatima, S. Afzaal, W. Anwar, A. Zahid, A. Akhter, M. Anees and M. T. Manzoor. **2019**. Polyphenols for detoxification of heavy metals. In Abstracts, International Conference on Environmental Toxicology and Health, Department of Environmental Sciences, COMSATS University Islamabad, Vehari Campus, PAKISTAN. pp 6. February 25-27.

- Sajid Ali** and Ammara Fatima. **2019**. Bioactive compounds in neglected herbs: A way for health cure. In Abstracts, International Conference on Food, Agricultural Science and Technology (IC-FAST). University of the Punjab, Lahore. pp 71. January 15-17
- Sajid Ali**, A. Fatima, H. Shanakhat, F. Saeed, S. Afzaal, T. Bahar, W. Anwar, M. S. Haider. **2018**. Isolation of *Bacillus species* from rhizosphere and their antifungal activity against *Alternaria alternata*. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 4. July 09-11.
- Adnan Zahid, A. A. Shahid, A. Javed, **S. Ali**, W. Anwar. **2018**. Management of Fusarium wilt of tomato (*Lycopersicon Esculentum* Mill.) by biological and chemical strategies. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 3. July 09-11.
- Adnan Akther, M. T. Manzoor, **S. Ali**, A. Javed, W. Anwar. **2018**. Impact of activated biochar on the disease causing potential of *Fusarium oxysporum* F. Sp. *Lycopersici chlamydospores*. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 40. July 09-11.
- Moazzam Anees, M. Tayyab, M. T. Manzoor, **S. Ali**, S. W. Ali, M. S. Haider. **2018**. Effect of climatic change over the population density of *Dipornia citri* in kinnow orchard. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 47. July 09-11.
- Muhammad Tariq Manzoor, M. Anees, **S. Ali**, A. Akhter, M. S. Haider. **2018**. Expressiveness of mastrevirus movement protein gene n *Nicotiana benthamiana*. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 57. July 09-11.
- Waheed Anwar, K. Nawaz, **S. Ali**, M.A. Javed, A. Zahid, M. S. Haider. **2018**. First incidence of leaf spot of cotton caused by *Boeremia exigua* in Punjab Pakistan. In Abstracts, International Conference on Biological Control of Pests and Diseases: Progress and Prospects. Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan. pp 61. July 09-11.

- Sajid Ali**, S. Afzaal, A. Fatima, Q. A. Bukhari, Z. Latif. **2018**. Behavior of polyphenols in *Trachyspermum ammi* under varying nitrogen fertilization and light interception. In Abstracts, 1<sup>st</sup> International and 2<sup>nd</sup> National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 439. March 26-28.
- Adnan Zahid, A. A. Shahid, K. A. Khan, **S. Ali** and W. Anwar. **2018**. Identification of Soil Linked Productivity Constraints of IAGS Farm by using GPS and GIS Based Soil Fertility Maps. In Abstracts, 1<sup>st</sup> International and 2<sup>nd</sup> National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 273. March 26-28.
- W. Anwar, K. Nawaz, **S. Ali**, M. A. Javed, A. Zahid, A. A. Shahid, A. Akhter and M. S. Haider. **2018**. Micro biomes associated with insects of cotton crop in different agro ecological zones of Punjab, Pakistan. In Abstracts, 1<sup>st</sup> International and 2<sup>nd</sup> National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 440. March 26-28.
- Sajid Ali**, A. Fatima, S. Afzaal, F. Saeed, A. N. Shahzad and C. A. Ahmad. **2017**. Efficacy studies of varying nitrogen concentration and light on polyphenolic compounds in *Nigella sativa*. In Abstracts, International Conference on Plants; Their Chemical and Biological Applications for Today and Tomorrow. Deptt. Botany, Univ. of Gujrat. pp 48. April 12-13.
- Sohaib Afzaal, **S. Ali**, A. Fatima, N. U. Khan, A. N. Shahzad and C. A. A. **2017**. Legislations for food safety management: importance and future perspectives. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 55. March 29-30.
- Muhammad Javed Iqbal, Z. U. Rehman, U. Hameed, W. Anwar, **S. Ali** and M. S. Haider. **2017**. Diversity dynamics of *begomovirus*, a prevailed threat to cotton based economy of pakistan. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 134. March 29-30.
- Waheed Anwar, K. Nawaz, A. A. Shahid, M. S. Haider, S. Iftikhar and **S. Ali**. **2017**. *Clonostachys rosea* as entomopathogenic fungi against *Bemisia tabaci*. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 243. March 29-30.

- Muhammad Ali, M. Ashfaq, **S. Ali**, A. Gulzar, A. Ghaffar and M. Shahzad. **2016**. Response of Different Genotypes of Brinjal to Jassid Population by External Application of Potash in Lahore. In Proceedings, International Conference on Significance of Potash Use in Pakistani Agriculture, Lahore, Pakistan. November 24-25.
- Sajid Ali**, S. Afzaal, A. Fatima and A. A. Shahid. **2016**. Quantitative determination of polyphenolic compounds in medicinal plants under varying nitrogen fertilization and light interception. In Abstracts, Annu. Meet., ASA, CSSA & SSSA, Phoenix, AZ. USA. November 06-09.
- Sajid Ali**, B. Honermeier, A. Fatima, H. A. A. Khan and M. Anees. **2015**. Post emergence application of herbicides alters the chlorophyll contents in artichoke (*Cynara cardunculus* L.). In Abstracts, International Plant Protection Conference, Berlin, Germany. August 23-27.
- Hafiz Azhar Ali Khan, T. Khan and **S. Ali**. **2015**. Persistence and toxicity of spinosad on wheat and rice grains against *Rhyzopertha dominica* and *Tribolium castaneum*. In Abstracts, International Plant Protection Conference, Berlin, Germany. August 23-27.
- Moazzam Anees, M. Tayyab, M. Afzal, A. B. M. Raza, M. S. Haider, **S. Ali**, H. A. A. Khan and M. Shafiq. **2015**. Efficacy of different insecticides against the Asian citrus psyllid (*Diaphorina citri*) at its peak populated months in kinnow. In Abstracts, International Conference on Crop protection for sustainable agriculture. Institute of Agricultural Sciences, Univ. of the Punjab, Lahore, Pakistan. pp 180. November 23-25.
- Abid Ilyas Dar, M. Ahmad, J. Khan and **S. Ali**. **2015**. Boron application improves the performance of fine grains rice cultivar. In Abstracts, International conference on soil sustainability for food security, Univ. Agri. Faisalabad, Pakistan. November 15-17.
- Sajid Ali**, B. Honermeier, M. Anees and H. A. A. Khan. **2014**. Herbicides affect the chlorophyll contents in artichoke leaves (*Cynara cardunculus* L.). In Abstracts, Annu. Meet., ASA, CSSA & SSSA, Long Beach, CA. USA. November 02-05.
- Hafiz Azhar Ali Khan, W. Akram, T. Khan and **S. Ali**. **2014**. Leaf nutrients could affect insect gall formation in mango, *Mangifera indica* L. In Abstracts, World Mango Conference. College of Agriculture and Environmental Science, The Islamia University of Bahawalpur, Bahawalpur, Pakistan. pp 29. June 24-25.
- Moazzam Anees, **S. Ali**, M. S. Haider, M. Shafiq and F. M. Tahir. **2014**. Effect of foliar application of micronutrients on the leaf nutritional status of mango (*Mangifera indica* L.) cv. Dusehri leaves. In Abstracts, World Mango Conference. College of

Agriculture and Environmental Science, The Islamia University of Bahawalpur, Bahawalpur, Pakistan. pp 37. June 24-25.

- Sajid Ali. 2013.** Can post harvest treatments influence the quality and shelf life of tomato? In Abstracts, DAAD-HEC International Summer School “Food Security in Times of Climate Change”. Department of Biosciences, COMSATS Institute of Information Technology, Islamabad, Pakistan. pp 34. November 02-05.
- Sajid Ali, B. Honermeier. 2013.** Can herbicide stress be detected by chlorophyll fluorescence and polyphenol analysis in artichoke (*Cynara cardunculus* L.)? In Abstracts, International conference on Crop Management in Changing Climate. University of Agriculture, Faisalabad, Pakistan. pp 27. February 11-13.
- Sajid Ali, A. A. Shahid, N. Ahmad, J. Khan, W. Tariq and M. S. Haider. 2013.** Influence of light interception and nitrogen fertilization on yield and concentration of polyphenols in fennel (*Foeniculum vulgare* L.). In Abstracts, International conference on Crop Management in Changing Climate. University of Agriculture, Faisalabad, Pakistan. pp 28. February 11-13.
- Muhammad Bilal Chattha, N. Mahmood, **S. Ali**, R. Mahmood, M. U. Chattha and M. U. Chattha. **2013.** Response of spring planted sugarcane (*Saccharum officinarum* L.) to earthing up and fertilizer levels. In Abstracts, International conference on Crop Management in Changing Climate. University of Agriculture, Faisalabad. Pakistan. pp 51. February 11-13.
- Muhammad Nadeem, **S. Ali**, M. A. Wahid and M. Shahid. **2013.** Nutrient cycling in agro-ecosystem: Environmental friendly use of phosphorus fertilizer for sustainable crop production in Pakistan. In Abstracts, 1st International Conference on Global Environmental Changes. Government College University, Faisalabad, Pakistan. pp 114. January 15-16.
- Sajid Ali** and B. Honermeier. **2011.** Chlorophyll fluorescence as an indicator of herbicide stress in artichoke (*Cynara cardunculus* L.). In Abstracts, Annu. Meet., ASA, CSSA & SSSA, San Antonio, TX. USA. October 16-19.
- Sajid Ali** and B. Honermeier. **2010.** Harvest frequency influences leaf yield and polyphenols in artichoke (*Cynara cardunculus* L.). In Abstracts, Annu. Meet., ASA, CSSA & SSSA, Long Beach, CA. USA. October 31- November 3.
- Bernd Honermeier, **Sajid Ali**, Sürer Yüce, Emine Bayram. **2010.** Blatterträge und Gehalte an Polyphenolen der Artischocke (*Cynara cardunculus* L.) beim Anbau unter humiden Klimabedingungen. Association of the German-Turkish Agricultural and Natural Scientists, 9th Symposium of VDTAN. Antakya- Hatay, Turkey. March 22-26.
- Sajid Ali** and B. Honermeier. **2008.** Pyridate decreases chlorophyll fluorescence in artichoke (*Cynara cardunculus* L.) 554. In Abstracts, Annu. Meet., ASA, CSSA, SSSA & GSA, Houston, TX. USA. October, 05-09.

**Sajid Ali** and B. Honermeier. **2008**. Effect of agronomic factors and abiotic stress on leaf yield and polyphenols in artichoke (*Cynara cardunculus* L.). Joint lecture's session of Institute of Agronomy and Institute of Organic farming. Rauischholzhausen, Germany. July 02.

**Sajid Ali** and B. Honermeier. **2007**. Herbicide application in relation to chlorophyll fluorescence, leaf yield and polyphenol contents in artichoke (*Cynara cardunculus* L.). In Abstracts, Annu. Meet., ASA, CSSA, SSSA, New Orleans, LA. USA. pp 249. November 04-08.

Bernd Honermeier and **Sajid Ali**. **2007**. Effect of plant development on the concentration of polyphenols in artichoke (*Cynara cardunculus* L.). Symposium Giessen Graduate Center for Life Sciences, Section Human, Nutrition and Environment. Giessen, Germany. May 30.

**Sajid Ali** and B. Honermeier. **2007**. Effect of harvest time and herbicide application on leaf yield and polyphenolic contents of artichoke (*Cynara cardunculus* L.). Winter conference of International Society of Soil Fertility. Rauischholzhausen, Germany. March 01-03.

## **CONFERENCES ORGANIZED:**

- Moderator. International Webinar “Transforming Food Systems through Climate Smart Agriculture” as a part of the UN Independent Food Systems Summit Dialogues. **2021**. Department of Agronomy, University of the Punjab, Lahore, Pakistan. May, 25.
- Conference Secretary. International Conference on Significance of Potash Use in Pakistani Agriculture. **2016**. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan. November, 24-25.
- Member Organizing Committee. National Workshop on Alternate Crops for the Future of Pakistan. **2016**. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan. May 16.
- Member Organizing Committee. 5<sup>th</sup> International/10<sup>th</sup> National Conference of Pakistan Phytopathological Society. **2015**. Crop protection for sustainable agriculture. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan. November 23-25.

## **CONFERENCES/WORKSHOPS/TRAININGS ATTENDED:**

- Participated in International Webinar on “**Agricultural Nanotechnology: Influencing the Future of Farming Sustainability**”. Department of Plant Pathology, University of the Punjab, Lahore. 29 July 2021
- Participated in International Webinar on “**Mushrooms: As Future Diet**”. Department of Plant Pathology, University of the Punjab, Lahore. 07 July 2021.
- Moderated International Webinar on “**Transforming Food Systems through Climate Smart Agriculture**” as a part of the **UN Independent Food Systems Dialogues**. Department of Agronomy, University of the Punjab, Lahore. 25 May 2021.



- Participated in International Webinar on World Food Day 2021 “**Safe Food Now for a Healthy Tomorrow Food Safety in Everyone’s Business**”. Department of Food Sciences, University of the Punjab, Lahore and National Alliance for Safe Food. 07 June 2021.
- Participated as Judge in FOODBUZZ, 2016. Organized by PSFST-Student Chapter, Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan. 05 Apr. 2016.
- One-day hands-on training on “Endnote”. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan. 12 Jan. 2016.

## RESEARCH PROJECTS

- Principal Investigator of the research project entitled “**Soil carbon dynamics in response to tillage, nutrient management and climate change under rice-wheat cropping system of Punjab, Pakistan**”. 4.323 Million funded by HEC for the fiscal year 2022-2025 (**Approved**).
- Principal Investigator of the research project entitled “**Micronutrients dynamics in response to tillage and straw returning practices under rice-wheat rotation in Punjab, Pakistan**”. 0.32 Million funded by University of the Punjab, Lahore for the fiscal year 2021-22 (**Completed**).
- Principal Investigator of the research project entitled “**Accumulation and remobilization of nitrogen (N) and Phosphorus (P) in wheat/maize and wheat/soybean strip cropping system under nutrients stress**”. 0.15 Million funded by University of the Punjab, Lahore for the fiscal year 2019-20 (**Completed**).
- Principal Investigator of the research project entitled “**A survey of knowledge, attitude and practices (KAP) of farmers related to weeds and their management**”. 0.15 Million funded by University of the Punjab, Lahore for the fiscal year 2017-18 (**Completed**).
- Co-Principal Investigator of the research project entitled “**Knowledge, attitude and practices (KAP) survey of farmers related to crop production and protection in Punjab, Pakistan**” 0.15 Million funded by University of the Punjab, Lahore for the fiscal year 2015-16 (**Completed**).
- Principal Investigator of project entitled “**Post emergence herbicides affect the yield and quality of wheat (*Triticum aestivum* L.)**”. 2014-15. Funded by University of the Punjab, amount 0.15 million (**Completed**).
- Principal Investigator of project entitled “**Nitrogen and Potash influence the concentration of polyphenols in Black seed (*Nigella sativa* L.)**”. 2013-14. Funded by University of the Punjab, amount 0.15 million (**Completed**).

- Principal Investigator of project entitled “**Light interception affects the concentration of polyphenols in Fennel (*Foeniculum vulgare* L.)**”. 2012-13. Funded by University of the Punjab, amount 0.15 million (**Completed**).
- Principal Investigator of project entitled “**Light interception and nitrogen fertilization alter the concentration of polyphenols in medicinal plants**”. 2012-13. Funded by HEC, amount 0.48 million (**Completed**).

## **SUPERVISED RESEARCH STUDENTS**

### **PhD Research & Thesis:**

Adnan Zahid. **2015-21**. Modeling dynamics of soil organic carbon under conventional and conservative tillage in rice-wheat cropping system. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Muhammad Ajmal Rana. **2015-20**. Use of plant materials for urease inhibition to improve nitrogen use efficiency of wheat (*Triticum aestivum* L.). Institute of Agricultural Sciences, University of the Punjab, Lahore.

Iqra Rehman. **2016-20**. Screening, evaluating and optimizing biochar amendments for vegetable production under greenhouse conditions. Department of Environmental Sciences, Government College University, Faisalabad (**Co-Supervisor**).

### **M. Sc. (Hons.) Research & Thesis:**

Shuhood Mahmood Khan Shahid. **2022**. Evaluation of different conventional insecticides against wheat aphid *Shizaphis graminum*. Department of Entomology, University of the Punjab, Lahore.

Shajia Saleem. **2022**. Identification and Characterization of Glycolate Oxidase gene family in tomato (*Solanum lycopersicum*). Department of Horticulture, University of the Punjab, Lahore

Behram Khan Durrani. **2021**. Comparison of Organically and Conventionally grown vegetables on the basis of Active Ingredients and Palatability. Department of Horticulture, University of the Punjab, Lahore.

Farwa Murtaza. **2021**. Genome wide identification and phylogenetic analysis of Dof transcriptional factor in Red Clover (*Trifolium pratense*) and its comparison with *Arabidopsis thaliana*. Department of Horticulture, University of the Punjab, Lahore.

Danish Ahmad. **2020**. Effect of different edible coatings on the quality and shelf life of chinese meyer lemon (*Citrus meyeri* L.). Institute of Agricultural Sciences, University of the Punjab, Lahore.

- Nimra Khalid. **2020**. Growth and quality of Zinnia in response to different growth stimulants. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Khadjia Auranzeb Khan. **2020**. Studies on life-history traits of *Tribolium castaneum* on different rearing media. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Sohail Mushtaq. **2020**. The effects of population densities and diets on *Tribolium castaneum*. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Abeera Fatima. **2020**. Characterization and pathogenicity assays of enzyme xbat34 in *Nicotiana tabacum*. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Noor Ul Ain. **2020**. To study the population dynamics of wheat aphid spp. in response to different doses of nitrogen applications in Lahore, Punjab Pakistan. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Qaria Tariq. **2020**. Effect of chemical and bio-fertilizers on the anti-oxidant and anti-microbial potential of Quinoa (*Chenopodium quinoa*). Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Fatima Sultan. **2020**. Effect of organic and inorganic fertilizers on polyphenol and anti-oxidant potential of Mentha Piperita grown under heavy metal stress. Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Iqra Shahid. **2020**. Molecular identification and incidence of *S. maltophilia* in dairy environment. Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Neelam Kalsoom. **2019**. Application of plant growth promoting Rhizobacteria to mitigate the toxic effect of selected pesticides in *Triticum aestivum*. Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Saba Shahzadi. **2019**. Efficacy of exogenously applied salicylic acid to reduce the toxicity of selected pesticides in wheat (*Triticum aestivum*). Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Sehar Nazir. **2019**. Study the synergistic effect of salicylic acid and plant growth promoting rhizobacteria on oxidative stress induced by selected pesticides in wheat. Department of Environmental Science, Lahore College for Women University, Lahore (**Co-Supervisor**).
- Muhammad Mujtaba. **2017**. Comparative study of the effect of edible and chemical coatings on quality and shelf life of guava (*Psidium guajava*). Institute of Agricultural Sciences, University of the Punjab, Lahore.

Abdul Haleem. **2016**. Post-harvest application of food grade chemicals alters quality and storage life of guava (*Psidium guajava*). Institute of Agricultural Sciences, University of the Punjab, Lahore.

Muhammad Sajid Jameel. **2016**. Postharvest treatments influence the quality of tomato (*Solanum lycopersicum* L.). Institute of Agricultural Sciences, University of the Punjab, Lahore.

Muhammad Zahid Ghafoor. **2016**. Post-harvest treatments alter the shelf life and quality of cucumber (*Cucumis sativus*). Institute of Agricultural Sciences, University of the Punjab, Lahore.

Wajeeha Tariq. **2014**. Mechanism and efficiency of bacillus strains to induce systematic resistance in tomato plants against Fusarium Wilt. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Muneeb Ullah Khan. **2013**. Comparison of the performance of chemical extracts of Fennel, Kalonji and Neem and pesticides on fungal and bacterial diseases of Canola, Cabbage and Cauliflower. Institute of Agricultural Sciences, University of the Punjab, Lahore.

## **B. Sc. (Hons.) Agriculture Internship:**

Tahrim Raza. **2022**. Internship at Soil & Water Testing Lab, Rapid Soil Fertility Research Institute Lahore.

Momna Arif. **2022**. Internship at Soil & Water Testing Lab, Rapid Soil Fertility Research Institute Lahore.

Saira Imran. **2022**. Internship at Water and Agriculture Department, National Engineering Services Pakistan (NESPAK).

Gul Zaib Hassan. **2022**. Internship at Bayer Crop Science, Manga Mandi, Lahore.

Sarah Shoaib. **2022**. Internship at Directorate of Agricultural Extension, Lahore.

Mahnour Rizwan. **2022**. Internship at Directorate of Agricultural Extension, Lahore.

Muhammad Mehran. **2022**. Internship at Bayer Crop Science, Manga Mandi, Lahore.

Amna Rafique. **2022**. Internship at Soil & Water Testing Lab, Rapid Soil Fertility Research Institute Lahore.

Mubashir Ali. **2022**. Internship at Bayer Crop Science, Manga Mandi, Lahore.

- Aamir Shahzad. **2021**. To engage farmers through Farmer Training Programmes and Advisory Services about Government Policies. Department of Agronomy, University of the Punjab, Lahore.
- Qammar Abbas. **2021**. Internship at the Office of the Director Agriculture Extension Lahore. Department of Agronomy, University of the Punjab, Lahore.
- Muhammad Amir Javed. **2021**. Marketing Management & Sales Aspects at Syngenta Vehari. Department of Agronomy, University of the Punjab, Lahore.
- Arish Akhlaq. **2021**. Bayer Research Centre Manga Mandi. Department of Agronomy, University of the Punjab, Lahore.
- Hassan Rauf. **2021**. Identification and Survey of Horticulture plants, crops at locality Bagh-e-Jinnah. Department of Agronomy, University of the Punjab, Lahore.
- Ahmad Hassan. **2021**. Vegetable Research, screening and seed production at CKD, Gujranwala. Department of Agronomy, University of the Punjab, Lahore.
- Rao Muhammad Zeeshan Afzal. **2021**. Vegetable Research, screening and seed production at CKD, Gujranwala. Department of Agronomy, University of the Punjab, Lahore.
- Saima Iqbal. **2021**. Internship at Office of Deputy Director Agriculture Extension, Lahore. Department of Agronomy, University of the Punjab, Lahore.
- Nimra Khan. **2021**. Environmental and Financial Impacts of Agroforestry on Farming Communities. Department of Agronomy, University of the Punjab, Lahore.
- Ayesha Sohail. **2021**. Internship at Office of Deputy Director Agriculture Extension, Lahore. Department of Agronomy, University of the Punjab, Lahore.
- Anila Khalid. **2021**. Internship at Office of Deputy Director Agriculture Extension, Lahore. Department of Agronomy, University of the Punjab, Lahore.
- Duaa Khalid. **2021**. Internship at Office of Deputy Director Agriculture Extension, Lahore. Department of Agronomy, University of the Punjab, Lahore.
- Arslan Ahmad. **2021**. Vegetable Research, screening and seed production at CKD, Gujranwala. Department of Agronomy, University of the Punjab, Lahore.
- Ume Kasloom. **2021**. Effect of water conservational techniques on wheat and cotton. Department of Agronomy, University of the Punjab, Lahore.
- Sheraz Shoukat. **2020**. Production of major crops and their impact on Agriculture's GDP: A review and synthesis of recent research. Institute of Agricultural Sciences, University of the Punjab, Lahore.

- Ayesha Akram. **2020**. Evaluation of soil biological indicators under conventional and conservation tillage in rice-wheat cropping system. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Rais Ahmad. **2020**. Water scarcity and irrigation system in Pakistan. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Bisma. **2020**. Comparison of micronutrients dynamics under conservation and conventional tillage: A Review. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Bushra. **2020**. Rice (*Oryza sativa* L.)–Wheat (*Triticum aestivum* L.) Cropping System in Response to Conservation Tillage and Residue Management. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Syed Nasir Abbas. **2020**. Bio fortification of Fe and Zn in rice & wheat crops: A Review. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Robina Khaliq. **2020**. Modelling of soil organic carbon under conservation and conventional tillage. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Humayun Ali. **2020**. Production of different varieties of potato, their control, and potato growing seasons. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Hamza Maqsood. **2020**. Comparison of weed population dynamics under conventional and conservation tillage. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Saqaina Younas. **2020**. Impact of conservation tillage and residue management on plant physiological characteristics. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Nimra Khalid. **2016**. Response of cosmos grown on different growth media to the varying light interception under the agro climatic conditions of Lahore. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Abeer Fatima. **2016**. Effect of light interception on the performance of zinnia grown on different growth media under the agro climatic conditions of Lahore. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Fatima Athar. **2016**. How differential light interception and growth media affects the growth and performance of vinca in Lahore? Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Faiza Shafique Khan. **2014**. Fruit and Vegetable Development Project. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Tasneem Nawaz. **2014.** Effect of Management Practices on the Establishment of Major Nurseries in Lahore: A case study. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Hafiz Muhammad Khalid Abbas. **2012.** Studies on sugar beet diseases, their diagnosis and evaluation of sugar beet varieties for resistance. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Maria Zareen. **2012.** Analysis of soil from experimental plots used for garlic crop. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Amna Tahir. **2012.** Effect of different post-harvest techniques on the quality and shelf life of tomato. Institute of Agricultural Sciences, University of the Punjab, Lahore.

Tahmina Hanif. **2012.** Effect of different post-harvest techniques on the quality and shelf life of tomato. Institute of Agricultural Sciences, University of the Punjab, Lahore.

## **TEACHING EXPERIENCE:**

### **2011-To date**

#### **Assistant Professor**

Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan (since 27<sup>th</sup> December, 2011)

<http://pu.edu.pk/faculty/description/1476/Dr-Sajid-Ali.html>

## **RESEARCH EXPERIENCE:**

### **2003-2005**

#### **Assistant Research Officer**

Sugarcane Research Institute AARI, Faisalabad, Pakistan (14 October 2003 to 31 December 2005)

## **INDUSTRIAL EXPERIENCE:**

### **2002-2003**

#### **Area Manger (Development and Sales)**

SAWA-AG Network Sahiwal, Pakistan (23 November 2002 to 15 September 2003)

## **TRAININGS / COURSES:**

### **2013**

Two days training workshop. **Teaching as a Profession and Communication Skills.** Institute of Agricultural Sciences and

Learning and Innovation Division of Higher Education Commission of Pakistan (19<sup>th</sup> to 20<sup>th</sup> June)

**2009**

One-day training program “**Varian Seminartour 2009 Chromatographie**” Varian Deutschland GmbH, DARMSTADT GERMANY (02<sup>nd</sup> February)

**2006**

3 months German language course SPEAK + WRITE MARBURG GRMANY (01<sup>st</sup> January to 26<sup>th</sup> March)

**2005**

3 months German language course by Goethe-Institute Karachi PAKISTAN (01<sup>st</sup> September to 04<sup>th</sup> December)

**2003**

One-day training program “Achieving Excellence for SAWA-AG” Center for Management Development (CMD), Lahore PAKISTAN (17<sup>th</sup> April)

## **PROFESSIONAL AFFILIATION:**

- American Society of Agronomy
- Crop Science Society of America
- Soil Science Society of America
- German Society of Agronomy

## **INSTITUTIONAL DUTIES:**

- **Student Advisor, Incharge Hostel Affairs and Sports Coordinator** FAS (previously IAGS), PU, Lahore since **08.02.2012**.
- **Member Disciplinary Committee** at FAS (previously IAGS), PU, Lahore since **31.05.2013**.
- **Member Under and Post Graduate Admission Committee** FAS (previously IAGS), PU since **2015** onwards.
- **Convener Admission Information Cell** at FAS (previously IAGS), PU, Lahore for the admissions **2013, 2014 & 2015**.
- **Focal Person of Department of Agronomy for Quality Enhancement Cell (QEC)** University of the Punjab, Lahore since **06.05.2021**.
- **Member Departmental Doctoral Programme Committee (DDPC)**, Department of Agronomy, University of the Punjab, Lahore since **14.07.2021**.
- **Member Board of Studies (BOS)**, Department of Agronomy, University of the Punjab, Lahore since **29.07.2021**.
- **Member Board of Faculty (BOF)**, Faculty of Agricultural Sciences, University of the Punjab, Lahore since **04.08.2021**.
- **Member Departmental Doctoral Programme Committee (DDPC)**, Department of Soil Science, University of the Punjab, Lahore since **24.09.2021**.



- **Member Departmental Doctoral Programme Committee (DDPC)**, Department of Horticulture, University of the Punjab, Lahore **since 24.06.2022.**
- **Member National Curriculum Revision Committee (NCRC)** of Higher Education Commission (HEC) of Pakistan.
- Advisor Punjab Public Service Commission (PPSC).
- Examiner Punjab Public Service Commission (PPSC).

### **ANALYTICAL SKILLS:**

- High Performance Liquid Chromatography (HPLC)

### **COMPUTER SKILLS:**

Proficient in MS- Office and SPSS and Statistix®

### **EXTRA CURRICULAR ACTIVITIES:**

- National cadet corps
- Athlete (800, 1500 & 5000 meter)
- Badminton
- Cricket

### **COMMUNICATION:**

English  
German (Satisfactory)  
Urdu  
Punjabi

## REFERENCES:

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