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E-mail 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

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 (1st position)** in M. Sc (Hons) Agronomy awarded in 2002.
- **3rd position** in B. Sc (Hons) Agriculture (Agronomy) awarded in 2000.
- University (UAF) **merit scholarship** awarded 1997-2000.

PUBLICATIONS:

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: 0.800**]

Muhammad Rizwan Afzal, M. T. Manzoor, **S. Ali**, A. Fatima, M. R. Tariq, M. Anees, S. Nawaz, M. Atif, N. Razaqat 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) [**IF: 0.822**]

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 a low fertility soil. *Sustainability*. 13: 2652 (DOI: 10.3390/su1305265) [**IF: 2.576**]

- 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: 0.811**]
- 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**]
- 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: 2.603**]
- 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: 3.819**]
- 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: 0.767**]
- 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: 1.925**]
- 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* (2019) 17(2): 69-78 [IF: 1.025]
- 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 fur Arznei- und Gewurzpflanzen*. 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**. Entomophogenic 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. (<https://doi.org/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/S0 100-835820 16340 100006 [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:

- Muhammad Aamir Iqbal, **Sajid Ali**, Ayman El Sabagh, Zahoor Ahmad and Muzammil H. Siddiqui. **2020**. Changing Climate and Advances on Weeds Utilization as Forage: Provisions, Nutritional Quality and Implications. DOI: <http://dx.doi.org/10.5772/intechopen.91386>

CONFERENCE PROCEEDINGS:

- 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, 1st International Conference on STEMS (Science, Technology, Engineering, Mathematics and Social Sciences). The Islamia University of Bahawalpur, Pakistan. Pp 00. March 30-31, 2021
- 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 alternate*. 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 Akhter, 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 in *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, 1st International and 2nd 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, 1st International and 2nd 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, 1st International and 2nd 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**. Herbicides affect yield, physiology and polyphenols in artichoke leaves (*Cynara cardunculus* L.). 53rd Annual conference of German Society of Agronomy (Coexistence of green gene technology). Hohenheim, Germany. pp 27-30. September 28-30.
- 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**, Süer 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.
- Bernd Honermeier, **S. Ali** C. Matthes, S. Goettmann and F. Yan. **2009**. Polyphenole in der Artischocke (*Cynara cardunculus* ssp. *flavescens* WIKL.)-entwicklungsphysiologische 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**. 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. **2008**. Effect of Harvest frequency on leaf yield and CQA content of artichoke (*Cynara cardunculus* ssp. *Flavescens* WIKL.). Joint conference of (18th) Bernburger winter seminar & (5th) 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 (51st Annual conference) German Society of Agronomy & (51st 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.

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. Rauschholzhausen, Germany. March 01-03.

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.

CONFERENCES ORGANIZED:

- 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, 2016.
- 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, 2016.

- Member Organizing Committee. 5th International/10th 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, 2015.

CONFERENCES/WORKSHOPS/TRAININGS ATTENDED:

- Participated as Judge in FOODBUIZZ, 2016. **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”. **2016**. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan. 12 Jan. 2016.

RESEARCH PROJECTS

- 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. **2015-20.** 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:

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 Aurazeb 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:

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 27th 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 (19th to 20th June)

2009

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

2006

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

2005

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

2003

One-day training program “Achieving Excellence for SAWA-AG” Center for Management Development (CMD), Lahore PAKISTAN (17th 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** IAGS, PU, Lahore since **08.02.2012**
- **Member Disciplinary Committee** at IAGS, PU, Lahore since **31.05.2013**
- **Member Under and Post Graduate Admission Committee** IAGS, PU since admissions **2015 onwards**
- **Convener Admission Information Cell** at IAGS, PU, Lahore for the **admissions 2013, 2014 & 2015.**

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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