

Dr. Muhammad Sajid

Assistant Professor

Department of Plant Pathology,
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Summary

Assistant Professor at the department of plant pathology with specialization in Plant Bacteriology, Biological Control, Biochemistry and Physiology of diseased plants.

Personal Information

Title:

Assistant Professor

Nationality: Pakistani

Education

Ph.D. Plant Pathology
University of Agriculture, Faisalabad,
Pakistan. (2016)

Expérience

Assistant Professor (IPFP) 20-12-2016 to 19-12-2017

Assistant Professor (TTS) 26-07-2022 to date

Visiting Faculty Member 20-12-17 to 25-07-2022

PUBLICATIONS:

1. Yasin, G., **Sajid, M.**, Khetran, Z.A., Zubair, M., Gilani, M, M., and Hamed, M.H., 2024. Comparison of morphology, pod yield and mineral contents in edible parts of two moringa varieties in irrigated and rainfed ecosystem. *Int. J. Fore Sci.* (2024). 4(2):142-153
2. Hussain, S., **Sajid, M.**, Mehmood, Y., Gondal, A. S., Sheeraz, M., Ameer, S., Mehtab, M. & Tayyab, M. 2023. Alteration in Ionic Contents due to Bacterial Leaf Spot of Spinach Disease. *J. Kash. J. Agric.* 3, 297-304.
3. Hussain, S., **Sajid, M.**, Mehmood, Y., Sheeraz, M., Irfan, M., Ameer, S. H. S., Mehtab, M. & Abbas, T. 2023. Determining the Efficacy of Plant Extracts and Chemicals against Bacterial Leaf Spot of Spinach. *Plant Health*, 2, 17-29.
4. Abbas, T., **Sajid, M.**, Hussain, S., Mehmood, Y., Sheeraz, M., Irfan, M., Tayyab, M., Muhammad and S., Tabassam, S.A. 2023. Biochemical Factors Conducive for the Development of Citrus Canker and its Management using Selected Chemicals and Plant Extracts. *J: Plant Environ.* 05 (01) 2023. 71-81.

5. Sheeraz, M., **Sajid, M.**, Mehmood, Y., Irfan, M. & Tahir, I. 2023. Brand Awareness and Digital Marketing: Measurement Tools and Data Analytics for Agricultural Industry. *J. Arabl. Crops and Market.* 5, 35-48.
6. Tayyab, M., **Sajid, M.**, Mehmood, Y., Sheeraz, M., Hussain, S., Irfan, M., Abbas, T., Hussain, S. & Tabassam, S. A. 2023. Impact of Plant Extracts and Chemicals against Bacterial Blight of Pomegranate. *J. Agric. & Vet. Sci.* 2, 223-230.
7. Minhas, Asif., Ahmed, N., **Sajid, M.**, Sheeraz, M., Mehmood, Y., Jamil, H. Nutrients Status of Citrus Orchards of District Multan, Punjab, Pakistan. *J. Plant Envi.* 05 (01) 2023. 71-85.
8. Javed, A., Mehmood, Y., Gondal, A. S., **Sajid, M.**, Sheeraz, M., Irfan, M. & Abeer, M. 2023. Screening of Advanced Germplasm against *Ascochyta rabiei* and its Management. *J. Kash. J. Agric.* 3, 305-310.
9. Javed, M. A., Mehmood, Y., Gondal, A. S., **Sajid, M.**, Sheeraz, M., Irfan, M., Naqvi, S. A. H. & Abeer, M. 2023. Disease Surveillance and Pathogenic Variability of *Ascochyta Rabiei* causing Blight of Chickpea in Punjab Pakistan. *Plant Health* 2, 65-73.
10. Qayyum, H., Mehmood, Y., GONDAL, A. S., **Sajid, M.**, Sheeraz, M. & Abeer, M. 2023. Fungi Associated with Post-harvest Losses of Multani Mango. *J. Agric. & Vet. Sci.* 2, 231-238.
11. Bashir, M.R., Din, A.M.U., **Sajid, M.**, Hassan, E.U., Anwar, M., Khan, Q.A.T., Khurshid, M.R., Mustafa, H. S.B., Gill, A.N., Rehman, H.R., and Iqbal, U. 2023. Genomic Advances and Bioinformatic Strategies in Soybean: Safeguarding Yield Against Climate-Driven Pathogen Challenges for Food Security. *Plant Bulletin Vol 2, (2) 2023:* 88-92.
12. Rashid, M., Chohan, S., **Sajid, M.**, Iqbal, S., Mubeen, M., Mehtab, M., Farooq, A., Abbas, A., Khalid, Z., Saeed, M., and [Mubeen](#), I. (2022). Biochemical characterization and effect of bacterial blight on micro and macro nutrient concentration in pomegranate. *Plant cell biotech. & Mol. Biol.* Volume 23, issue 3-4, page 57-68.
13. Anwar, H. A., Mansha, M. Z., Ahmed, M. Z., Abid, M., **Sajid, M.**, Sarwar, Z. M., Umar, U, D.D., Alam, M.M., Perveen, R., Chohan, S., and Shafique, S.M. (2020). Potential of fungal endophytes to Antagonise *Puccinia Stirri Formis* causing Wheat Yellow Rust. *J. Ani. & Pl. Sci.*
14. Khan, A., Ali, S., **Sajid, M.**, Zeshan, M.A., Binyamin, R., Ahmed, N., and Ghani, M.U. 2022. Phenotypic evaluation of rice germplasm against *Xanthomonas oryzae pv. oryzae* and its in-vitro management through antibiotics. *Asian J. Agric. & Biol.*

15. Shahid, M.N., Abid, M., Chohan, S., Binyameen, M., **Sajid, M.**, 2021. [Impact of Farm Management Practices on Downy Mildew Disease of Cucumber in High Tunnels](#). Int. J. Phytopath.
16. Ali, A., Azeem, H., Zeshan, M.A., **Sajid, M.**, Iftikhar, Y., Ashraf, W., Ghani, M.U., and Sajid, A. (2020). Biological control of plant pathogens by using antagonistic bacteria. Pak. J. Phytopath.
17. Zafar, M. S., Chohan, S., Abid, M., **Sajid, M.**, 2021. Role of Agricultural Constraints and Ascochyta Blight disease in low yield of chickpea crop in Pakistan: a review. J. Phytobiol.
18. Azeem, H., **Sajid, M.**, Perveen, R., Ali, A., Chohan, S., Abid, M., Jamil, H. (2020). Role of plant growth promoting rhizobacteria (PGPR) for substantial progress in agriculture. Pak. J. Phytopath.
19. Bashir, M.R., Atiq, M., **Sajid, M.**, Rehman, H.S.U., and Mehmood, A. (2018). Impact of Organic Matter and Soil Types on the Development of Fusarium Wilt of Chilli. Pak. J. Agric. Sci.
20. Anwaar, H.S.A., Perveen, R., Mansha, M.Z., Abid, M., Sarwar, Z.M., Aatif, H.M., Umar, U.D.D., **Sajid, M.**, Aslam, H.M.U. (2019) Assessment of grain yield indices in response to drought stress in wheat (*Triticum aestivum* L.). Saudi J. Biol. Sci.
21. **Sajid, M.**, Rashid, A., Abid, M., Jamil, H., Bashir, M.R., Sarwar, Z.M., Perveen, R., and Chohan, S. (2018). Influence of Bt. Germplasm on Bacterial Blight disease of cotton in Pakistan. Pak. J. Phytopath.
22. **Sajid, M.**, Sahi, S.T., Atiq, M., Rashid, A., Abid, M., Bashir, M.R., Jamil, H., Bashair, M., and Sarwar, Z.M., (2018). Alteration in Ionic Contents Profiling of Cotton due to Bacterial Blight Disease Caused by *Xanthomonas citri* pv. *malvacearum*. Pak. J. Agric. Sci.
23. Mehmood, M.A., Perveen, R., Chohan, S., Ishtiaq, M., Ahmed, M.M., Shaaban, M., Younas, A., Umer, H., Akram, N., Abid, M., **Sajid, M.** (2018). Epidemiological studies of Tomato leaf curl virus and whitefly population and their management using botanicals. Pak. J. Phytopath.
24. Khan, W.A., Atiq, M., Sahi, S.T., Khan, A.A., Ali, S., Younas, M., Ali, Y., Bashir, M.R., and **Sajid, M.** (2018). Induction of Resistance against Citrus Canker through Chemicals and Plant Activators. Adv. Zool. Bot.
25. Bashir, M.R., Atiq, M., **Sajid, M.**, Mohsan, M., Abbas, W., Alam, M.W., & Bashair, M. 2017. Antifungal exploitation of fungicides against *Fusarium oxysporum* f. sp. *capsici* causing Fusarium wilt of chilli pepper in Pakistan. Envi. Sci. Poll. Res.

26. Bashir, M.R., Mahmood, A., **Sajid, M.**, Zeshan, M.A., Mohsan, M., Khan, Q.A.T, & Tahir, F.A. (2017). Exploitation of new chemistry fungicides against Charcoal rot of sesame caused by *Macrophomina phaseolina* in Pakistan. Pak. J. Phytopath.
27. **Sajid, M.**, Rashid, A., Bashir, M.R., Zeshan, M.A., Abid, M., Parveen, R., Chohan, S., Jamil, H. (2017). Evaluation of available genetic resource against bacterial blight of cotton in Pakistan. Pak. J. Phytopath.
28. Nasir, F., Atiq, M., Sahi, S.T., Bashir, M. R., Rajput, N.A., Ahmed, I., **Sajid, M.**, Jabbar, A., (2017). Int. J. Biosci.
29. **Sajid, M.**, Sahi, S.T., Atiq, M., Hassan, M.H. (2016). Screening status of cotton germplasm against bacterial blight. Transylvanian Review.
30. Ashfaq, M., Atiq, M., Sahi, S.T., Younas, M., Ghafoor, K., Shafiq, M., **Sajid, M.**, Bashir, M.R., Latif, S., Mubeen, I., Chatha, M.U. (2015). Management of powdery mildew of okra through plant extracts and chemicals under field conditions. Pak. J. Phytopath.
31. **Sajid, M.**, Rashid, A., Haq, M.E.U., Javed, M.T., Jamil, H., Mudassir, M., Farooq, M., Ahmad, F., Latif, M., Chohan, M.A., Ahmad, M., & Kamran, A. (2013). In vitro evaluation of chemicals and plant extracts against colony growth of *Xanthomonas axonopodis* pv. *malvacearum* causing bacterial blight of cotton. Eur. J. Exp. Biol.
32. Ali, M.I., Khan, M.A., Rashid, A., Haq, M.E.U., Javed, M.T., **Sajid, M.** (2012). Epidemiology of Okra Yellow Vein Mosaic Virus (OYVMV) and its Management through Tracer, Mycotal and Imidacloprid. Ameri. J. Pl. Sci.
33. Khan, M.A., Rashid, A., Mateen, A., **Sajid, M.**, **Rasheed, F.**, Anjum, M.A., Anjum, A., Fayyaz, M., (2012). Incidence of mungbean yellow mosaic virus (mbymv), its epidemiology and management through mycotal, imidacloprid and tracer. Agri. Bio. J. N. America

BOOK CHAPTER

1. Book Name: Cotton production and uses. Chapter 13: Cotton diseases and their management. 2020. Sobia Chohan, Rashida Perveen, Muhammad Abid, Muhammad Nouman Tahir, Muhammad Sajid.

CONFERENCES / TRAININGS

1. Organize 6th International Conference of Pakistan Phytopathological Society. November 20-22-2017 BZU, Multan.
2. Participated in 6th International Conference of Pakistan Phytopathological Society. November 20-22-2017 BZU, Multan.
3. All Pakistan DICE-AFS 2017, Agriculture & Food Science Innovation Event. November 07-08-2017, University of Agriculture Faisalabad.

4. International workshop on beans with benefits potential and limitation for Mungbean Production. Aug. 8-19-2017. University of Agriculture Faisalabad.
5. 1st international conference on climate change and biodiversity (IC3B-2017) May, 2-4 2017. The Islamia University Bahawalpur.
6. National conference on challenges and opportunities to boost agriculture in changing climate. March, 29-30-2017 BZU Bahadur Sub-Campus Layyah.
7. 3rd international conference on Safe food for all food expo March,2-3-2017 BZU, Multan International conference on Forestry and Environment: Challenges and Prospects. November 21-22, 2016. University of Agriculture Faisalabad.
8. International conference on Sustainable Agriculture in Pakistan. Nov 17-19, 2016 University of Agriculture Faisalabad.
9. Bio safety Training Workshop for Young Scientist. June 13, 2015. University of Agriculture Faisalabad.
10. International Colloquium on Opportunities and Challenges of Maize Production. October 14-15, 2014. University of Agriculture Faisalabad.
11. International Workshop on Renewable Energy Technologies in Pakistan. December 16-18, 2014 University of Agriculture Faisalabad.
12. International seminar on Global Change & Pakistan Perspective. September 16, 2014. University of Agriculture Faisalabad.
13. International Workshop on Biochar in Pakistan: Opportunities and Potential. March 24-27, 2014 University of Agriculture Faisalabad.
14. International conference on Recent Trends in Maize Production. May 03, 2014. University of Agriculture Faisalabad.
15. International Workshop on "Biochar; agronomic socio-economic & policy perspectives on biochar & C-Market May 12, 2014 University of Agriculture Faisalabad.
16. International Conference on Emerging Horizons of Agri. Extension for Sustainable Rural Development Feb 27, 28, 2014 University of Agriculture Faisalabad.
17. 2nd International Conference on Global Environmental Changes 25-26 Feb 2014 Govt College University Faisalabad.
18. Molecular Approaches for Crop Improvement & Metagenomics January 20-21, 2014 CABB University of Agriculture Faisalabad.

19. International Science Conference on Agriculture and Food Security Issues on Global Environmental Perspective. July 11-13, 2012. University of Poonch Rawalakot Azad Kashmir.
20. 8th National conference on Challenges and Options for Plant Health Management. Pakistan Phytopathological Society, Department of Plant Pathology UAF. November 28-29, 2011.
21. Three Month training of office automation. 3 June- 14 September 2009. I.U.B.
22. 6th international conference of Pakistan Phytopathological Society November 20-22-2017.

ABSTRACTS.

1. Muhammad Sajid, Muhammad Atiq, Muhammad Abid, Muhammad Rizwan Bashir, Syed Atif Hasan Naqvi, Humaira Jamil, Hafiz Muhammad Saqib and Muhammad Nauman. 1st International Conference on Climate Change and Biodiversity (ICCCB) (Challenges & Prospects) The Islamia University of Bahawalpur, Pakistan (May 02-04, 2017). 4.
2. Muhammad Sajid, Muhammad Atiq, Muhammad Abid, Rashida Perveen, Sobia Chohan, Rizwan Bashir and Humaira Jamil. Challenges and Opportunities to Boost Agriculture in Changing Climate March 29-30, 2017. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub Campus, Layyah.
3. International Workshop On “Biochar in Pakistan: Opportunities and Potential” March, 24-27, 2014, Department of Agronomy, UAF. P. 80. 7. Zeshan, M. A., M. Atiq and M. Sajid. 2014. Etiology and management strategies for stem end rot of mango.
4. World Mango Conference. June, 24-25. University College of Agriculture and Environmental Sciences, The Islamia University Bahawalpur. P. 25. 8. M. Waqar Alam, Abdul Rehman, Muhammad Atiq and Muhammad Sajid.
5. Efficacy of various new chemistry fungicides and food preservatives against post-harvest diseases of kinnow mandarin. BZU. 9. Iqra, Muhammad Atiq, Sadaf Latif, Zeeshan Asghar, Khalida Ameer, Muhammad Sajid, M. Rizwan Bashir and Waqas Ahmad Khan.
6. Development of biochemical marker for okra germplasm resistant to okra yellow vein mosaic virus. 3rd National Computational Science Conference, Institute of Space Technology, Islamabad on May 13-15, 2015. 10. Muhammad Sajid, Shahbaz Talib Sahi, M. Atiq, Humaira Jamil, M. Ahmad Zeshan, M. Waqar Alam, Waqas Ahmad Khan and Fatima Nasir.

7. Improvement of cotton germplasm through systemic acquired resistance against bacterial blight disease. 3rd National Computational Science Conference, Institute of Space Technology, Islamabad on May 13-15, 02015.

RESEARCH INTERESTS

1. Biochemical and physiological analysis of plants affected by Bacterial diseases

RESEARCH COMPLETED

1. Reaction of bacterial blight on BT cotton varieties/Advanced lines and its management through chemicals and bio-products M.Sc (Hons. Thesis)
2. Biochemical and physiological factors conducive for the development of bacterial blight of cotton and its management (Ph.D Thesis)

RESEARCH PROJECT COMPLETED

1. Completed SRGP Funded by HEC. Molecular Characterization of *Xanthomonas axonopodis* pv. *malavacearum*. 0.5 Million as P.I.
2. Management of Bacterial Stalk Rot of Maize through Plant Growth Promoting Rhizobacteria: Ongoing 0.2 million as P.I. Funded by BZU.