

Sobia Chohan, PhD

Professor

Department of Plant Pathology

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Bahauddin Zakariya University, Multan. Pakistan

Academic Record

Doctorate, Bahauddin Zakariya University, Multan. Pakistan **2011- 2016**

Postgraduate, University of Agriculture, Faisalabad. Pakistan **1992-1994**

Undergraduate, University of Agriculture, Faisalabad. Pakistan **1988-1992**

Dissertations

Doctorate: Antifungal activity and phytochemical analysis of various medicinal plants against pathogenic fungi of Tomato (*Lycopersicon esculentum* L.).

Postgraduate: Some physiological studies on *Phytophthora nicotianae* var. *parasitica*, the cause of root rot/collar rot of brinjal with special reference to its control

Research Areas

Phytopathology, Mycology, biocontrol

Professional Record

Chairperson, Department of Plant Pathology, FAST, Bahauddin Zakariya University Multan, 2023-2026

Professor, Department of Plant Pathology, FAST, Bahauddin Zakariya University Multan, 2022-continue

Associate Professor, Department of Plant Pathology, FAST, Bahauddin Zakariya University Multan., 2018-2022

Assistant Professor, Department of Plant Pathology, FAST, Bahauddin Zakariya University Multan., 2011-2018

Lecturer, Department of Plant Pathology, FAST, Bahauddin Zakariya University Multan., 2006-2011

Lecturer, PMAS-Arid Agriculture University, Rawalpindi, 1996-2006

Publications

Total Impact Factor: 39.86 First author: 11 Corresponding author: 19

Journal Articles:

1. Saqib, H. M., **Chohan, S.** & Abid, M. 2025. Protective Biological Control of Chickpea Blight Disease by Enhancing Plant Immunity through Seed Priming and Foliar Spraying with *Cuminum cyminum* Essential Oil. *Journal of Plant Pathology* (<https://doi.org/10.1007/s42161-025-02056-0>) (**Impact Factor 2.3**)
2. Hafiz Muhammad Saqib, **Sobia Chohan**, Muhammad Azeem, Muhammad Farhan-Ul-Haque, Muhammad Abid*. 2025. Harnessing *Cuminum cyminum* L. (cumin) essential oil as a promising biocontrol agent against *Ascochyta rabiei*: Insights from screening and in planta evaluation. *South African Journal of Botany* 183 (2025) 147-157. (<https://doi.org/10.1016/sajb.2025.05.034>) (**Impact Factor 2.7**)
3. Hafiz Muhammad Saqib, **Sobia Chohan***, Muhammad Abid. 2024. The magnitude of *Ascochyta* blight of chickpea and its relationship with prevailing environmental conditions in the Thal region of Punjab, Pakistan. *Plant Protection*, 08 (04). 769-779. (**Hec Approved-X-category**)
4. Muzamil Afzal, **Sobia Chohan**, Anam Moosa, Javaria Malik, Tahir Mahmood. 2024. Epidemiological Insights into Mango Anthracnose Disease Invited by *Colletotrichum gloeosporioides*. *Journal of Agriculture and Veterinary Science*. 3(2) 277-285. (**Hec Approved-Y-category**)
5. Muhae-Ud-Din, G., Kalsoom, R., Yang, Z. **Sobia Chohan***, Muhammad Saleem Haider, Dildar Ahmad, Muhammad Abid. 2024. Identification of *Alternaria* species associated with purple blotch disease of onions in Southern Punjab of Pakistan and evaluation of plant-based fungicides for disease control. *Tropical plant pathology*. 49(05) 601-611 (**Impact Factor 1.9**)
6. Hafiz Muhammad Riaz, **Sobia Chohan**, Gary Y. Yuen, Muhammad Abid. 2024. Biological control of tomato early blight in Pakistan using local rhizobacteria. *Pest management science*. 80(3) 1412-1422. (**Impact Factor 4.46**)
7. Naila Akram, Rashida Perveen, Ummad-ud-Din Umar, **Sobia Chohan**, Muhammad Abid. 2023. Exogenous Application of Plant Extracts and Salicylic Acid to Mitigate Cucumber Mosaic Virus and Aphid Population in Cucumber. *Plant Health*. 02 (01) 27-37 (**Hec approved-Y-category**)
8. Ahmad R. Alvi, **Sobia Chohan***, Muhammad Abid, Muhammad T. Malik, Hafiz M. Riaz, Sana Mudassar. 2022. Flower induction and control of inflorescence diseases in mangoes using selected fungicides and chemical fertilizers. *International Journal of Phytopathology*. 11 (01) 01-08 (**Hec approved-X-category**)
9. Muhammad Rashid, **Sobia Chohan***, Muhammad Sajid, Shehzad Iqbal, Mustansar Mubeen, Muhammad Mehtab, Ammara Farooq, Aqleem Abbas, Zaheer Khalid, Munawar Saeed and Iqra Mubeen. 2022. Biochemical Characterization and effect of Bacterial Blight on Micro and Macro nutrient concentration in Pomegranate. *Plant Cell Biotechnology and Molecular Biology* 23(3&4):57-68. (**Impact Factor 0.38**)
10. Hafiz Arslan Anwaar, Rashida Perveen, **Sobia Chohan**, Amjad Saeed, Muqaddas Tanveer cheema, Abdul Qadeer, Umer Ayyaz Aslam, Muhammad Zeshan Ahmed, Mohsin Alam, Muhammad Subhan Shafique and Amjad Ali. 2022. First report of *Alternaria alternata* causing *Alternaria* leaf spot of Fig in Pakistan. *Plant Disease Notes*. 106(2):759. (**Impact Factor 3.02**)
11. Suryya Manzoor, Ghazala Yasmin, Nadeem Raza, Javier Fernandez, Rashida Atiq, **Sobia Chohan**, Ayesha Iqbal, Shamaila Manzoor*, Barizah Malik, Franz Winter and Mudassar Azam. 2021. Synthesis of Polyaniline Coated Magnesium and Cobalt Oxide Nanoparticles through Eco-Friendly Approach and Their Application as Antifungal Agents. *Polymers* 2021, 13, 2669. (<https://doi.org/10.3390/polym13162669>) (**Impact Factor 4.329**)

12. Hafiz Muhammad Riaz, **Sobia Chohan** and Muhammad Abid. 2021. Occurrence of tomato early blight disease and associated *Alternaria* species in Punjab, Pakistan. *The Journal of Animal & Plant Sciences*. 31(05): <https://doi.org/10.36899/JAPS.2021.5.0337> (**Impact Factor 0.481**)
13. Hafiz M. Saqib, Muhammad Abid, **Sobia Chohan***. 2020. Chemical management of alternaria leaf blight of sunflower. *International Journal of Phytopathology*. 09 (03) 2020. 173-178 (**Hec approved-X Category**)
14. Muhammad N. Shahid, Muhammad Abid, **Sobia Chohan**, Muhammad Binyameen, Muhammad Sajid. 2020. Impact of farm management practices on downy mildew disease of cucumber in high tunnels. *International Journal of Phytopathology*. 09 (03) 2020. 179-186 (**Hec approved-X Category**)
15. Rabia Kalsoom, **Sobia Chohan***, Muhammad Saleem Haider. 2020. Phytochemical analysis and antifungal activity of some medicinal plants against *Alternaria* specie isolated from onion. *The Journal of Animal & Plant Sciences*. 30(02): 454-460. (**Impact Factor 0.529**)
16. Saba Idrees, **Sobia Chohan***, Muhammad Abid, Rashida Perveen, Muhammad Tariq Malik. 2019. Biological potential of *Trichoderma* species in the control of some phytopathogenic fungi. *Pakistan Journal of Phytopathology*. 31 (02): 201-206.
17. Rabia Kalsoom, **Sobia Chohan***, Muhammad Saleem Haider, Muhammad Abid. 2019. Synergistic effect of plant extracts and fungicide against purple blotch disease of onion. *Plant Protection*. 03 (01): 53-57.
18. Muhammad Anees, Muhammad Abid, **Sobia Chohan**, Muhammad Jamil, Nadeem Ahmed, Lixin Zhang and Eui Shik Rha. 2019. In situ Impact of the Antagonistic Fungal Strain, *Trichoderma gamsii* T30 on the Plant Pathogenic Fungus, *Rhizoctonia solani* in Soil. *Polish Journal of Microbiology*. 68(02): 211–216 (**Impact Factor 0.776 / 5-year 1.013**)
19. **Sobia Chohan**, Rashida Perveen, Muhammad Anees, Muhammad Azeem, Muhammad Abid. 2019. Estimation of secondary metabolites of indigenous medicinal plant extracts and their in vitro and in vivo efficacy against tomato early blight disease in Pakistan. *Journal of Plant Diseases and Protection*. 126(06): 553-563 (**Impact Factor 0.946**)
20. Muhammad Abid, **Sobia Chohan***, Rashida Perveen and Muhammad Anees. 2019. First report of Bitter Rot of Apple Caused by *Colletotrichum siamense* in Pakistan. *Plant Disease Notes*. 103(3):583. (**Impact Factor 3.02**)
21. Rabia Kalsoom, Saleem Ahmed, Muhammad Nadeem, **Sobia Chohan** and Muhammad Abid. 2019. Biosynthesis and extraction of cellulase produced by *Trichoderma* on agro-wastes. *International Journal of Environmental Science and Technology*. 16(2), 921-928 (**Impact Factor 2.037**)
22. **Sobia Chohan** and Muhammad Abid. 2019. First report of *Fusarium incarnatum-equiseti* species complex associated with Boll Rot of Cotton in Pakistan. *Plant Disease Notes*. 103(01):151. (**Impact Factor 3.02**)
23. Muhammad Sajid, Abdul Rashid, Muhammad Abid, Humaira Jamil, Muhammad R. Bashir, Zahid M. Sarwar, Rashida Perveen, **Sobia Chohan**. 2018. Influence of BT. Cotton germplasm on bacterial blight disease of cotton in Pakistan. *Pakistan Journal of Phytopathology*, 30 (02). 145-148.
24. Muhammad Abid, **Sobia Chohan***, Shazia Akram, Rizwan Mustafa Shah, Sabir Hussain, Muhammad Binyameen, Sarfraz Ali Shad, Rashida Perveen. 2018. Fungal diversity and frequency carried by house fly (*Musca domestica* L) and their relation with stored grains in rural areas of Pakistan. *Journal of Food Safety*. 38(5):1-7. DOI: 10.1111/jfs.12508 (**Impact Factor 1.7**)
25. Mirza A. Mehmood, Rashida Perveen, **Sobia Chohan**, Muhammad Ishtiaq, Muhammad M. Ahmed, Muhammad Shaaban, Aneela Younas, Hafsa Umer, Naila Akram, Muhammad Abid,

Muhammad Sajid. 2018. Epidemiological studies of tomato leaf curl virus and whitefly population and their management using botanicals. *Pakistan Journal of Phytopathology*. 30 (01): 27-36.

26. Muhammad Sajid, Shahbaz Talib Sahi, Muhammad Atiq, Muhammad Abid, Abdul Rashid, Muhammad Rizwan Bashir, Humaira Jamil, Rashida Perveen, **Sobia Chohan** and Zahid Mahmood Sarwar. 2018. Alteration in ionic contents profiling of cotton due to bacterial blight disease caused by *Xanthomonas citri* pv. *malvacearum*. *Pakistan Journal of Agricultural Sciences*. 55(04): 881-887. (**Impact Factor 0.6**)

27. **Sobia Chohan**, Shazia Akram, Anam Tariq, Rizwan Mustafa Shah, Muhammad Binyameen, Sarfraz Ali Shad, Muhammad Abid. 2018. Influence of Frequently Used Chemical Insecticides on Mycoflora Carried by Common Housefly, *Musca domestica* L. *International Microbiology*. 21(03): 121-128. (**Impact Factor 0.796**)

28. Muhammad Irfan, Syed A. H. Naqvi, Rashida Perveen, Farah Naz, Ammarah Hasnain, **Sobia Chohan**. 2017. A case study for the occurrence of bacterial leaf spot of mango in punjab (Pakistan). *Pakistan Journal of Phytopathology*. 29(02): 247-256.

29. Muhammad Sajid, Abdul Rashid, Muhammad R. Bashir, Muhammad A. Zeeshan, Muhammad Abid, Rashida Parveen, **Sobia Chohan**, and Humaira Jamil. 2017. Evaluation of available genetic resource against bacterial blight of cotton in Pakistan. *Pakistan Journal of Phytopathology*. 29(01): 63-68.

30. **Sobia Chohan***, Rashida Perveen, Muhammad Abid, Atif Hassan Naqvi, and Safina Naz. 2017. Management of seed borne fungal diseases of tomato: a review. *Pakistan Journal of Phytopathology*, 29(01):193-200.

31. Muhammad Abid, **Sobia Chohan***, Mirza Abid Mahmood, Safina Naz, and Syed Atif Hassan Naqvi. 2017. Antifungal Potential of Indigenous Medicinal Plants against Myrothecium Leaf Spot of Bitter Gourd (*Momordica charantia* L.). *Brazilian Archives of Biology and Technology*. 60: e17160395, January-December 2017 <http://dx.doi.org/10.190/1678-4324-2017160395> ISSN 1678-4324 Online Edition (**Impact Factor 0.644**)

32. Bushra Ashiq, **Sobia Chohan***, Rashida Perveen, Muhammad Abid and Mirza Abid Mahmood. 2017. Chemical composition and antifungal potential of medicinal plants against seedborne mycoflora of eggplant (*Solanum melongena* L.). *Acta Botanica Croatica*. 76(1): 72-79 (**Impact Factor 0.734**)

33. Syed Atif Hasan Naqvi, Rashida Perveen, Ummad-Ud-Din Umar, Ateeq-Ur-Rehman, **Sobia Chohan** and Syed Hasnain Abbas. 2016. Bacterial leaf blight of rice: a disease forecasting model based on meteorological factors in Multan, Pakistan. *Journal of Agricultural Research*. 54(4):707-718. (**Hec approved-Y Category**)

34. Syed Atif Hasan Naqvi, Rashida Perveen, Ummad-Ud-Din Umar, Muhammad Abid, **Sobia Chohan** and Ammara Hasnain. 2016. Effectiveness of YSCNA modified culture medium for luxurious growth of *Xanthomonas oryzae* pv. *oryzae* associated with rice plants. *Pakistan Journal of Phytopathology*. 28(02):263-268. (**Hec approved-Y Category**)

35. **Sobia Chohan***, Rashida Perveen, Mirza Abid Mahmood and Ateeq-Ur-Rehman. 2016. Fungi colonizing different parts of tomato plant (*Lycopersicon lycopersicum* (L.) Karst. in Pakistan. *Pakistan Journal of Phytopathology*. 28(01):25-33. (**Hec approved-Y Category**)

36. Syed Atif Hassan Naqvi, Rashida Perveen, Ateeq-Ur-Rehman, Tiyyabah Khan, Muhammad Tariq Malik, **Sobia Chohan**, Anam Tariq, Shazia Malik and Syed Hassnain Abbas. 2016. Outbreak of Bacterial Apical Necrosis of Mango in Multan, Punjab, Pakistan. *Pakistan Journal of Phytopathology*.28(1): 107-113. (**Hec approved-Y Category**)

37. **Sobia Chohan*** and Rashida Perveen. 2015. Phytochemical Analysis and Antifungal Efficacy of Rhizome Extracts of various plants against Fusarium Wilt and Root Rot of Tomato. *International Journal of Agriculture and Biology*. 17(6): 1193-1199. (**Impact Factor 0.758**)

38. Syed Atif Hasan Naqvi, Rashida Perveen and **Sobia Chohan**. 2015. Evaluation of Virulence of *Xanthomonas oryzae* pv. *oryzae* against Rice Genotypes. *International Journal of Agriculture and Biology*. 17(6): 1186-1192. (**Impact Factor 0.758**)

39. Muhammad Adnan, **Sobia Chohan***, Rashida Perveen, Mirza A. Mahmood, Safina Naz, Rizwan Hameed. 2015. Chemotherapy of Black Scurf of Potato through tuber treatment. *Pakistan Journal of Phytopathology*. 27 (01):1-6. (**Hec approved-Y Category**)

40. **Sobia Chohan***, Rashida Perveen, Mirza Abid Mehmood, Safina Naz and Naila Akram. 2015. Morpho-physiological studies, management and screening of tomato germplasm against *Alternaria solani*, the causal agent of tomato early blight. International Journal of Agriculture and Biology. 17: 111–118. (**Impact Factor 0.902**)
41. Hina Nazir Ahmad, Rashida Perveen, **Sobia Chohan**, Ghazala Yasmeen, Mirza Abid Mehmood. 2014. Screening of Canola germplasm against *Albugo candida* and its epidemiological studies. Pakistan Journal of Phytopathology. 26 (02):169-173. (**Hec approved-Y Category**)
42. Safina Naz, Muhammad Akbar Anjum, **Sobia Chohan**, Saeed Akhtar and Bushra Siddique. 2014. Physico-chemical and sensory profiling of promising mango cultivars grown in peri-urban areas of Multan, Pakistan. Pakistan Journal of Botany. 46 (1): 191-198. (**Impact Factor 1.207**)
43. Owais Malik, **Sobia Chohan** and Syed Atif Hasan Naqvi. 2014. Occurrence of Black Scurf Disease of Potato in Multan(Punjab)Alongwith Its in vitro Chemical and Biotic Elicitor Mediated Management. Journal of Agricultural Science. 6(9): 134-143. (**H-index**)
44. Sumaira Ajmal, Rashida Perveen, **Sobia Chohan**, Ghazala Yasmin and Mirza Abid Mehmood. 2011. Role of secondary metabolites biosynthesis in resistance to *cotton leaf curl virus (CLCuV)* disease. African Journal of Biotechnology. 10 (79):18137-18141. (**Impact Factor 0.565 2010**).
45. **Sobia Chohan***, Rashida Atiq, Mirza Abid Mehmood, Safina Naz, Bushra Siddique and Ghazala Yasmin. 2011. Efficacy of few plant extracts against *Fusarium oxysporum* f.sp. *gladioli*, the cause of corm rot of gladiolus. Journal of Medicinal Plants Research. 5(16): 3887-3890. (**Impact Factor 0.879 2010**).
46. Shehzad Shakoor, **Sobia Chohan**, Abid Riaz, Rashida Perveen, Safina Naz, Mirza Abid Mehmood, Muhammad Saleem Haider and Shakeel Ahmad. 2011. Screening of systemic fungicides and biochemicals against seed borne mycoflora associated with *Momordica charantia*. African Journal of Biotechnology. 10 (36): 6933-6940. (**Impact Factor 0.565 2010**).
47. Rashida Perveen, Ishaq Fani, Noor-ul-Islam, Saleem Haider, **Sobia Chohan** and Atiq-ur-Rehman. 2010. Correlation of biweekly environmental conditions on CLCuV disease growth in Pakistan. European Journal of Scientific Research. 42(4): 600-607.
48. Rashida Perveen, Muhammad Aslam Khan, Noor ul Islam, **Sobia Chohan**, Saleem Haider and Idrees Ahmad Nasir. 2010. Whitefly population on different cotton varieties in the Punjab. Sarhad Journal of Agriculture. 26(4): 583-589. (**Hec approved-X Category**).
49. Rashida Perveen, Ishaq Fani, **Sobia Chohan**, Saleem Haider and Safina Naz. 2010. Effect of nitrogen and carbon from different organic supplements on pathogenic potential of *Phytophthora capsici*, in collar rot of chillies. European Journal of Scientific Research. 1 (43): 107-112.
50. Rashida Perveen, Ishaq Fani, I. Rasheed, **Sobia Chohan**, Ateeq-Ur- Rehman, and Saleem Haider. 2010. Identification of *Cotton leaf curl begomovirus* in Pakistan in different symptomatic and asymptomatic plants through Enzyme-linked immunosorbent assay (ELISA). European Journal of Social Sciences. 4 (14): 502-507.
51. Perveen Kausar, **Sobia Chohan*** and Rashida Perveen. 2009. Physiological studies on *Lasiodiplodia theobromae* and *Fusarium solani*, the cause of Shesham decline. Mycopath. 7(1):35-38.
52. Attaullah Khan Pathan, **Sobia Chohan**, Mushtaq Ali Leghari, Ali Sher Chandio and Asif Sajjad. 2007. Comparative resistance of different cotton genotypes against insect pest complex of cotton. Sarhad Journal of Agriculture. 23(1): 141-143. (**Hec approved-X Category**)
53. **Sobia Chohan**, Attaullah Khan Pathan and Asif Sajjad. 2005. Effect of different carbon and nitrogen sources on mycelia growth of *Phytophthora nicotianae* var. *parasitica*. The causal organism of collar rots of Brinjal. Sindh Balochistan journal of Plant Sciences. 7(1): 16-18.
54. **Sobia Chohan**, Attaullah Khan Pathan and Asif Sajjad. 2005. Biological control of *Phytophthora nicotianae* var. *parasitica*. The causal organism of collar rots of Brinjal. Sindh Balochistan Journal of Plant Sciences. 7(1): 51-53.

55. Nasim Begum, Kashif Zeeshan Alvi, Muhammad Irfan-ul-Haq, **Sobia Chohan** and Usman Raja. 2004. Evaluation of micoflora associated with pea seeds and some control measures. Plant Pathology Journal. Asian Network for Scientific Information. 3(1): 48-51. **(Hec approved)**
56. **Sobia Chohan**, Jaffer Hussain Mirza, Abdus Shakoor Shakir, Rashida Perveen and A. Khalid. 1999. Some physiological studies on *Phytophthora nicotianae* var. *parasitica*, the casual organisms of Collar rot of brinjal. Pakistan Journal of Biological Sciences. 2(3): 996-997. **(Hec approved)**
57. Rashida Perveen, Jaffer Hussain Mirza, Abdus Shakoor Shakir and **Sobia Chohan**. 1997. Some physiological studies on *Phytophthora capsici*, the cause of root/collar rot of Chilies. Pakistan Journal of Phytopathology. 9(2):111-113. **(Hec approved-Y Category)**

Books Edited /Book Chapter:

1. Abid, M., **Chohan, S.**, & Alvi, A. R. (2025). Climate-Shift-Driven Mango Tree Scarification and Floral Diseases Mitigation Through Exogenous Application of Synthetic Chemicals: A Case Study on Cultivar Chaunsa Summer Bahisht. In Climate Change and Mango Production (pp. 447-467). Springer, Cham.
2. **Sobia Chohan**, Muhammad Abid, Shahid Gill and Muhammad Tariq Malik. 2025. Protocols of Clean Pot Media for Containerized Mango Nursery. In: Naqvi, S.A.H., Ahmad, S., Ahmed, M. (eds) Climate Change and Mango Production. (pp 347-378) Springer, Cham. https://doi.org/10.1007/978-3-031-87035-4_16
3. Syed Atif Hassan Naqvi, Ateeq ur Rehman, **Sobia Chohan**, Ummad ud Din Umar, Yasir Mehmood, Ghulam Mustafa, Wajid Nzir and Amna Hassan. 2023. Sustainable Development in Agriculture beyond the Notion of Minimizing Environmental Impacts. (In: Disaster Risk Reduction in Agriculture – Disaster Resilience and Green Growth). pp147- 168. Springer, Singapore. https://doi.org/10.1007/978-981-99-1763-1_8
4. **Sobia Chohan***, Rashida Perveen, Muhammad Abid, Muhammad Nouman Tahir, Muhammad Sajid. 2020. Cotton Diseases and their Management. (In: Cotton Production and Uses – Agronomy, Crop Protection, and Postharvest Technologies. pp 239-270. Springer Nature Press, Singapore.
5. Rashida Perveen, **Sobia Chohan**, Muhammad Abid, Muhammad Nouman Tahir, Muhammad Sajid, Kumara K.L.W. 2017. Abstract Book of 6th International conference of Pakistan Phytopathological Society, held on November 20-22, 2017.

Research Projects

1. Principal investigator of research project entitled “Antifungal potential of indigenous medicinal plants for the management of Fusarium wilt of chilli” amounting 0.2M funded by Directorate of Research and External Linkage, Bahauddin Zakariya University,Multan(Completed 2023-24)
2. Principal investigator in a research project entitled “Induction of disease resistance in pulses using essential oils against seed borne mycoflora” amounting 2.592M (2019-2022, NRPU-HEC, Pakistan-Completed).

3. Co-Principal investigator in a project entitled “Development of biological control against early blight of tomato using local soil microbes” amounting 2.608M (2019-2022, NRPU-HEC, Pakistan-Completed).
4. Principal investigator of research project entitled “Effect of different chemicals to induce flowering & control of inflorescence diseases in mango cultivar chaunsa summer bahisht” amounting 0.2M funded by Directorate of Research and External Linkage, Bahauddin Zakariya University, Multan (Completed 2016-17)
5. Principal investigator of research project entitled “Biological potential, biochemical characterization of Trichoderma isolates against soilborne fungal pathogens” amounting 0.136M funded by Directorate of Research and External Linkage, Bahauddin Zakariya University, Multan, (Completed- 2015-2016)
6. Principal investigator of research project entitled “Antifungal activity and phytochemical analysis of various medicinal plants against pathogenic fungi of Tomato” amounting 0.22M funded by Directorate of Research and External Linkage, Bahauddin Zakariya University, Multan. (Completed-2012-2015).
7. Principal investigator of research project entitled “Physiological studies on *Lasiodiplodia theobromae* and *Fusarium solani*, the cause of Shesham decline” amounting 0.1M funded by Directorate of Research and External Linkage, Bahauddin Zakariya University, Multan (Completed-2006-2007).

Professional Memberships:

- Member of American Phytopathological Society (Since 2013).
- Member of American Society for Microbiology (Since 2013).
- Lifetime member of Pakistan Phytopathological Society (Since 2016)
- Patron and founder of Zakariyan Phytodrivers Forum (Since 2015)

Students Supervised:

Ph.D Students (04)

Post graduate students (35)
