CURRRICULUM VITAE

Name	**Dr. Arshad Javaid** **Professor** (Tenured) Department of Plant Pathology Faculty of Agricultural Sciences University of the Punjab Lahore, PAKISTAN
Father's Name	Ghulam Nabi
Qualification	Ph. D. (Botany) – Feb. 2006 (Punjab University)
Nationality	Pakistani
Place of Birth	Daska (Sialkot)
Religion	Islam
CNIC No.	34601-0757183-5
Permanent Address	Raja Ghuman, Tehsil Daska, District Sialkot
E-mails:	arshad.iags@pu.edu.pk arshad.dpp@pu.edu.pk arshadjpk@yahoo.com
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RESEARCH EXPERIENCE

i. M. Sc Thesis (1989-1990)

Title: Effect of Vesicular Arbuscular Mycorhizae on Biomass, Noduclation and Nitrogen Fixation in *Vigna radiata* (L.) WIczek.

ii. Ph D Thesis (February 2, 2006)

Title: Prospects of EM and VAM Technology for Improved Growth, Yield and Nitrogen Fixation in *Vigna radiata* (L.) Wilczek.

iii. Research Publications: 454 (Published + Accepted)

In Impact Factor Journals	186
In HEC Recognized zero IF Journals	162
In Non-HEC Recognized Journals	85
In Conference Proceedings	11
Book Chapters	10

iv. Papers presented in Conferences: **144**

v. Submitted papers: **20**

vi. Theses published in the form of Books: **13**

TEACHING EXPERIENCE

i. **Garrison Academy Lahore Cantt (BPS – 17)**
April 15, 1993 to September 6, 1997.

ii. **Aitchison College Lahore (BPS – 17)**
September 7, 1997 to February 24, 2005

iii. **University of the Punjab Lahore, Pakistan**
Lecturer: February 25, 2005 – June 15, 2008. **(BPS – 17, 18 & 19)**
Assistant Professor (TTS): June 16, 2008 – November 1, 2016
Associate Professor (Tenured): November 2, 2016 – May 18, 2022
Professor (Tenured): Since May 19, 2022

Specialization: Biofertilizers and Natural Pesticides

Areas of Research

- Biofertilizers (EM Technology, Arbuscular Mycorrhizae, *Rhizobium*)
- Natural Pesticides (Disease and Weed Management by Natural Compounds)

AWARDS/INCENTIVES

1- Research Incentive Award 2006 (Rs. 97000), Punjab University Lahore.
2- Research Incentive Award 2007 (Rs. 87,000), Punjab University Lahore.
3- Research Incentive Award 2008 (Rs. 161,000), Punjab University Lahore.
4- Research Productivity Award 2011 from PCST (Category **C**).
5- Research Productivity Award 2012 from PCST (Category **A**).
6- Research Productivity Award 2017 from PCST (Category **D**).
7- Performance Based Increment and Honourarium from Punjab University in 2012.
8- Performance Based Increment and Honourarium from Punjab University in 2013.
9- Performance Based Increment and Honourarium from Punjab University in 2014.
10- Performance Based Increment and Honourarium from Punjab University in 2015.
11- Performance Based Increment and Honourarium from Punjab University in 2016.
12- Performance Based Increment and Honourarium from Punjab University in 2017.
13- Performance Based Increment and Honourarium from Punjab University in 2018.
14- Performance Based Increment and Honourarium from Punjab University in 2019.
15- Performance Based Increment and Honourarium from Punjab University in 2020.
16- Performance Based Increment and Honourarium from Punjab University in 2021.
17- Performance Based Increment and Honourarium from Punjab University in 2022 (in process).
18- Name included in the list of top 2% Scientists of the World 2021 released by scientists of Stanford University USA.
19- Name included in the list of top 2% Scientists of the World 2022 (both in the category of single year and the whole academic career) released by scientists of Stanford University USA.

COUNTRIES VISITED

China – Guangzhou, Zhaoqing (December 17-23, 2009), Guangzhou, Shenzhen (December 14-20, 2011)

Thailand – Bangkok Airport (2009, 2011, 2014, September 2017), Chiang Mai, Bangkok (November 13-18, 2012)

Spain – Madrid, Valladolid (November 2-6, 2010)

Qatar – Doha International Airport (November 2010); Hamad International Airport Doha (August 2015; September 2018, November, 2018)

Switzerland – Zurich, Locarno, Ascona (October 1-6, 2011)

Turkey – Istanbul (December 6-10, 2011)

UAE – Dubai, Sharja (December 10 & 21, 2011), Abu-Dhabi Airport (February 24 and March 3, 2018)

Malaysia – Kuala Lumpur (December 28, 2013 to January 1, 2014)

Indonesia – Bali Island (Denpasar, Ubud), Jakarta (December 7-11, 2014)

Saudi Arabia – Makka, Medina, Jeddah (March 19-26, 2015)

Germany – Berlin (August 23-27, 2015)

Sri Lanka – Colombo, Maharagama, Kottawa, Padukka, Negombo, Avissawela, Ingiriya (Western Province); Kanday (Central Province); Udawalawe (Uva Province); Ratnapura, Balangoda, Belihuloya (Sabaragamuwa Province) (December 4-11, 2016).

Japan – Kyoto, Osaka (September 20-24, 2017).

Egypt – Cairo, Giza, Luxor, Hurghada, Alexandria (Ferbruary 23 - March 3, 2018)

Italy – Rome (September 19-23, 2018)

Vatican City State – September 20, 2018

Algeria – Algiers, Blida (November 23-28, 2018)

COURSES TAUGHT

Ph. D.

1. Genetics of Plant Pathogens
2. Fungal Genetics
3. Molecular Plant Microb Interactions
4. Seed Pathology
5. Advances in Pest Management Research
6. Plant Quarantine and SPS Measures

M. Sc. (Hons.)/M. Phill.

1. Genetics of Plant Pathogens
2. Ecology and Epidemiology of Plant Diseases
3. Biochemistry and Physiology of Diseased Plants
4. Physiology of Plant Disease Control
5. Integrated Plant Disease Management

B. Sc. (Hons.)

1. Introduction to Genetics
2. Diseases of Field Crops
3. Beneficial Microorganisms
4. Introductory Weed Science
5. Pesticides: their Action and Applications
6. Soil-borne Pathogens and their Management (PP-401)
7. Research and Scientific Writing (AGR-411)

RESEARCH COLLABORATIONS

1. School of Chemistry, University of the Punjab Lahore.
2. Department of Botany, Lahore College for Women University Lahore.
3. Department of Environmental Sciences, Lahore College for Women University Lahore.
4. Department of Chemistry, GC University Lahore.
5. Department of Chemistry, FC College University Lahore.
6. Department of Botany, University of Gujrat.
7. Department of Chemistry, University of Lahore.
8. Department of Botany, Minhaj University Lahore.
9. Department of Chemistry, University of Engineering and Technology, Lahore
10. Department of Environmental Sciences, Kohsar University Murree, Pakistan
11. Department of Plant Pathology, University of Arid Agriculture, Rawalpindi.
12. Laboratoire de Recherche des Plantes Aromatiques et Médicinales, Département de Biotechnologies, Université de Blida1, Blida, Algérie.
13. College of Agriculture, Plant Protection Department, University of Wasit, Iraq.
14. Department of Agrotechnology, Faculty of Agriculture, Universitas Syiah Kuala, Darussalam, Banda Aceh 23111, Indonesia.

RESEARCH SUPERVISION

Ph. D. Theses Supervision

1- Khajista Jabeen (2009). Natural compounds from allelopathic trees as antifungal agents against *Ascochyta rabiei.* (**Completed**)
2- Muhammad Akbar (2013). Isolation of herbicidal constituents from culture filtrates of *Drechslera* spp. for the management of some noxious weeds of wheat. (**Completed**)
3- Nighat Sana (2016). Management of collar rot of chilies by biofertilizers and soil amendments under abiotic stress of chromium. (**Completed**)
4- Saba Khurshid (2016). Exploiting natural compounds of *Cenchrus pennisetifirmis* against Fusarium wilt of tomato under chromium stress. (**Completed**)
5- Nadia Jabeen (2016). Management of southern blight of bell pepper (*Capsicum annum* L.) by natural antifungal compounds of *Datura metel* L. (**Completed**)
6- Muhammad Amin (2018). Isolation of natural fungicides from *Syzygium cumini* and *Eucalyptus citriodora* for the management of chickpea blight. (**Completed**)
7- Saira Banaras (2018). Identification of natural fungicides from asteraceaous weeds for the management of charcoal rot of black gram. (**Completed**)
8- Amna Ali (2018). Management of collar rot of chickpea by *Trichoderma* and bioactive agents of *Chenopodium album.* (**Completed**)

9- Roma Akhtar (2019). Molecular and biochemical basis of onion basal rot management by *Trichoderma* spp., and *Sisymbrium irio* L. (**Completed**)
10- Arusa Aftab (2020). Isolation of SSRs for mapping of quinones and phenolics of traditionally used herbal plant *Nigella sativa* L. (**Completed**)
11- Syeda Fakehha Naqvi (2020). Management of Fusarium wilt of tomato by antagonistic *Penicillium* spp. and natural compounds of *Chenopodium murale* L. (**Completed**)
12- Muhammad Rafiq (2020). Management of black scurf and stem canker of potato by commercial biofertilizers and asteraceous weeds. (**Completed**)
13- Sidra Javed (2020). Induction of resistance in mungbean against charcoal rot disease by natural products of PGPR and *Kochia indica* Wight. (**Completed**)
14- Ateeq Tahir (2020). Characterization and management of fungi associated with stock rot of maize. (**Completed**)
15- Um-e-Aimen (2021). Synthesis of chitin based nanofibers for their antifungal activity in *Capsicum annuum* and *Vigna radiata.* (**Completed**)
16- Iqra Haider Khan (2022). Management of charcoal rot of mungbean through antagonistic fungi and natural compounds of *Chenopodium quinoa* Willd. (**Completed**)
17- Nadeem Shad (2022). Nanobiotechnological and molecular implications of *Suaeda fruticosa* and biofungicides in management of collar rot disease of chili. (on going)

M. Sc. (Hons.)/M.Phil. Theses Supervision

1. Huma Adrees (2008). Evaluation of herbicidal potential of fungal metabolites against *Parthenium hysterophorus* L.
2. Muhammad Amin (2008). Management of charcoal rot of sunflower by exploiting allelopathic potential of *Chenopodium* species.
3. Sajjad Ali (2009). Herbicidal activity of metabolites of *Trichoderma* spp. against some problematic weeds of wheat.
4. Ghazala Shafique (2010). Management of parthenium weed by culture filtrates of *Trichoderma* spp.
5. Drukhshan Iqbal (2010). Management of Sclerotium wilt in bell pepper (*Capsicum annuum* L.) by *Coronopus didymus* (L.) Sm.
6. Amna Siddique (2010). Antifungal potential of *Datura metel* against *Macrophomina phaseolina* - the cause of root rot in mungbean.
7. Sara Samad (2010). Identification of *Eucalyptus* dieback pathogens using RAPD analysis.
8. Rukhshaanda Munir (2010). Management of *Ascochyta rabiei* by *Withania somnifera.*
9. Saima Rauf (2010). Exploitation of antifungal potential of *Chenopodium album* for management of Fusarium basal rot of onion.
10. Roma Akhtar (2011). Biological control of basal rot of onion by *Withania somnifera* and *Trichoderma* spp.
11. Syda Faiqiha Naqvi (2011). Screening of allelopathic grasses for the control of *Macrophomina phaseolina,* the cause of charcoal rot of cowpea.
12. Iqra Haider (2013). Management of *Sclerotium rolfsii* by fungicides and extracts of Meliaceae plants.
13. Laiba Afzal (2013). Biological control of charchol rot of *Vigna radiata* by *Trichoderma* spp. and *Sisymbrium irio.*
14. Anila Bashir (2013). Biological control of Fusarium wilt of tomato by *Trichoderma* spp. and *Raphanus sativus.*
15. Lubna Niaz (2013). Management of basal rot of onion by *Coronopus didymus.*

16. Ammara Kanwal (2015). Management of charcoal rot of mashbean by natural antifungal constituents of *Acacia nilotica* subsp. *indica.*
17. Tahira Mubeen (2015). Screening of *Alternaria* spp. for their herbicidal activity against parthenium weed.
18. Freeha Anjum (2015). Molecular characterization of rice blast pathogen *Pyricularia oryzae* and its management by extracts of *Tribulus terrestris.*
19. Halima Qudsia (2015). Bioassays guided fractionation of *Senna occidentalis* for identification of antifungal constituent against *Macrophomina phaseolina.*
20. Ayesha Khan (2015). Evaluation of metabolites of *Aspergillus* spp. as natural herbicides against parthenium weed.
21. Arooj Shahzad (2015). Management of *Sclerotium rolfsii* through soil amendment with leaves of *Raphanus sativus* L. and *Traichoderma* spp.
22. Madiha Muneer (2015). Improvement of resistance in cowpea against charcoal rot disease by leaves of *Azadirachta indica* A. Juss and *Trichoderma* spp.
23. Rabia Afzal (2015). Biological control of southern blight of chilies by *Trichoderma Penicillium oxalicum* and leaves of *Eucalyptus citriodora.*
24. Umair Latif (2016). Molecular characterization of *Fusarium moniliforme* and its management by natural products of *Cronopus didymus.*
25. Gul-i-Rayna Shahzad (2017). Phytochemical control of leaf blight pathogen of Broccoli.
26. Zahra Nisar (2018). Chromium [Cr (VI)] tolerance and oxidative stress response in *Macrophomina phaseolina.*
27. Haider Ali (2018). Disease management potential of zinc and beneficial bacteria against charcoal rot of mung bean.
28. Hamna Khalid (2019). Natural compounds of *Penicillium* spp. as herbicides for management of parthenium weed.
29. Warda Sharf (2019). Biological control of southern blight of chili by PGPR and *Anagallis arvensis.*
30. Karamat Ali Zohaib (2019). Potential use of PGPR and *Cirsium arvense* biomass in plant disease management.
31. Hassan Gul (2019). Genetic and chemical management of particular fungal diseases of *Zea mays* L.
32. Almas Qamar (2021). Synergistic effect of *Lantana camara* and *Trichoderma* spp. application on control of southern blight disease of tomato.
33. Sana Abbas (2021). Effect of zinc on morpho-physiological characteristics of *Fusarium oxysporum.*
34. Mishal Akhtar (2021). Encountering leaf spot disease caused by *Alternaria alternate* in chili by employing zinc.
35. Haleema Ahmed (2021). Antimicrobial activity and GC-MS analysis of *Cassia fistula*.
36. Syed Hasnain Kumail (2021). An insight into capsid protein gene of tomato chlorosis virus infecting cucerbits in Bhakar district of Pakistan.
37. Raheel Rafi (2021). Management of charcoal rot of maize by *Coronopus didymus* and PGPR.
38. Umer Nawaz (2021). Biocontrol of *Fusarium oxysporum* f. sp. *cepae* by *Penicillium* spp. and *Chenopodium murale*.
39. Hafiz Muhammad Saeed (2021). Antimicrobial efficacy and phytochemical analysis of *Nerium oleander* flower.
40. Umme Muniba (2022). Green synthesis of nanoparticles using leaf extract of *Sonchus oleraceus* L. to control charcoal rot of black gram.

41. Iqra (2022). Isolation and characterization of plant growth promoting rhizobacteria and evaluation of their bicontrol efficacy against *Sclerotium rolfsii.*
42. Sofia Shafi (2022). Green synthesis of nanoparticles from *Ageratum conyzoides* L. leaf extract for the management of Fusarium wilt of tomato.
43. Muhammad Sohail (2022). Evaluation of potential biocontrol rhizobacteria against Alternaria leaf spot in chili.
44. Faria Mohyodine (2022). Antimicrobial activity and composition of essential oil of *Plumeria* spp. growing in Lahore, Pakistan.
45. Hafsa (2022). Antimicrobial activity and composition of essential oil of *Calendula* flowers.
46. Rabia Zafar (2022). Management of *Trogoderma granarium* by using different plant derivatives and its bioactive chemical analysis through GC-MS.
47. Ali Aitazaz (2022). Synthesis of nano zeolite & green nano fertilizer and their effect on growth and physiology of cucumber.
48. Wajeeha Fatima (2022). Chemical profile of microwave assisted extracted essential oil from flowers of *Convolvulus arvensis.*
49. Muzafar Ali (2022). Synthesis of green nano fertilizer and nano zeolite and their effect on the morphological and physiological attributes of bitter gourd.
50. Muhammad Irfan (2022). Chemical composition and antimicrobial properties of essential oil derived from flowers of *Cassia fistula.*

B. Sc. (Hons.) Internship Reports Supervision

1. Muhammad Kashif Rana (2006). Quality control measures allied with corn hybrid seed production.
2. Muhammad Imran Sohail (2006). Evaluation of hybrid corn (*Zea mays* L.).
3. Ahmad Raza Butt (2008). Occurrence of seed-borne mycoflora in stored rice grains and their fungicidal control.
4. Saima Rauf (2008). Identification of Cry1 Ac gene in GM cotton through protein dot blot assay.
5. Saniya Sattar (2008). Effect of NaCl salinity on cotton (*Gossypium arboreum*) grown as *in vitro* and hydroponic cultures.
6. Hina Ashraf (2008). To evaluate *in vitro* antifungal activity of Meliaceae against *Macrophomina phaseolina* (Tassi) Goid.
7. Farah Saeed (2009). Effect of auxins and cytokinins on inhibition of callus from tomato (*Lycopersicon esculentus*) cv. Sahel.
8. Samia Arif (2009). PCR based diagnosis of Begonoviruses from different plant samples.
9. Sara Bushra (2010). Evaluation of genetic diversity in Shisham (*Dalbergia sissoo* Roxb.) through RAPD analysis.
10. Hafiza Asma Rehman (2010). Antifungal activity of leaf extracts of some allelopathic trees against *Macrophomina phaseolina.*
11. Ammara Kanwal (2013). Isolation and identification of soil-borne fungi of wheat-rice cropping system.
12. Sahar Naz (2013). Identification of bacterial blight pathogen on fishtail palm and its control through antibiotics and essential oils.
13. Freeha Anjum (2013). Isolation and identification of soil-borne mycoflora from tomato tunnels and its chemical control.
14. Halima Qudsia (2013). Isolation of soil mycoflora of cucumber tunnels and its chemical control.

15. Tahira Mubeen (2013). Biocontrol of Alternaria leaf spot of cane palm by extracts of allelopathic trees.
16. Ayesha Khan (2013). Chemical control of Alternaria leaf spot of triangular palm.
17. Umar Khalid (2014). Preliminary investigation on postharvest deteriorating fungi associated with strawberry in green market of Lahore, Pakistan.
18. Almas Qamar (2018). Isolation and incorporation of resistance gene against drought stress from woody to herbaceous plant.
19. Ayesha Yaseen (2018). Prevalence of cucumber mosaic virus (CMV) in different hybrids of cucumber.
20. Iqra (2019). Expression of protein from *Brassica* plant.
21. Sofia Shafi (2019). Comprehensive study of molecular techniques for the development of transgenic cotton (gossypium hirsutum) to improve fiber contents.
22. Sania Rafique (2019). Basic techniques in microbiology and molecular biology.
23. Tehreem Niazi (2020). Basic molecular techniques.
24. Ifrayeem Buut (2021). Chemical control of *Sclerotium rolfsii* using poisond food technique.
25. Muhammad Abrar Ul Hassan (2021). Comparative efficacy of three fungicides for *in vitro* control of *Curvularia lunata.*
26. Sara Waqar (2021). Comparative molecular techniques for plant disease diagnosis.
27. Hafiz Muhammad Salman Shahid (2021). Molecular screening of rice varieties for *Salot* (salt resistance) gene.
28. Ahmad Yousaf (2022). Serological detection of potato virus (PLRV) in tissue cultured ptato plants.
29. Aqsa Zafar (2022). Preparation of azo dye from phenol and aniline and its action against *Macrophomina phaseolina.*
30. Nimra Tanveer (2022). Synthesis of 1-naphthol azo dye from alpha naphthol and aniline and its antifungal activity against *Fusarium oxysporum.*
31. Basma Raza (2022). Evaluation of antifungal activity of azodye (1-phenyl-azo-2-naphthol) against *Sclerotium rolfsii.*

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Pakistan Botanical Society (Life Member).
- Pakistan Phytopathological Society (Life Member)
- Weed Science Society of Pakistan (Life Member)
- Asian Allelopathy Society (Life Member)
- Bangladesh Botanical Society (2017, 2019, 2020, 2022)

EDITOR OF SCIENTIFIC JOURNALS

- Managing Editor of Mycopath, an official Journal of Myco-Phytopathological Society of Pakistan (2007-2009).
- Editor of Mycopath, (since 2010).
- Associate Editor Pakistan Journal of Phytopathology (2015-2016)
- Editor Pakistan Journal of Weed Science Research (2008-2011; Since 2021)
- Editor International Journal of Agriculture and Biology (Since December 20, 2016)
- Subject Editor Pakistan Journal of Phytopathology (2015-2020)
- Editor Plant Protection (Since 2018)
- Section Editor Pakistan Journal of Weed Science Research (Since Jan. 2021)

IMPORTANT DUTIES ASSIGNED IN THE DEPARTMENT

- Controller Examinations of the Institute of Mycology & Plant Pathology (2006-2008).
- Managing Editor of Mycopath, an official Journal of Myco-Phytopathological Society of Pakistan (2005-2010).
- Member Departmental Purchase Committee (2006-July 2008).
- Incharge B. Sc. (Hons.) Program (2006-2010)
- Security Focal Person IAGS (Since 2012)
- Controller Examination IAGS (2012-2016)
- Editor Mycopath – Since 2010.
- Controller Examination IAGS/Faculty of Agricultural Sciences (Since 2020)
-

THESES BOOKS/MONOGRAPHS

1- **Javaid A** (2010). Beneficial Microorganisms for Mungbean Production: Effect on crop growth, yield, nodulation and nutrition. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639314380.

2- **Javaid A,** Ali S (2011). Management of Weeds of Wheat: Metabolites of *Trichoderma* species as alternative herbicides. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639323986.

3- Iqbal D, **Javaid A** (2011). Management of Southern Blight of Bell Pepper: Constituents of *Coropus didymus* as natural fungicides. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639330915.

4- Rauf S, **Javaid A** (2011). Management of Basal Rot of Onion: Antifungal potential of *Chenopodium album* against *Fusarium oxysporum* f.sp. *cepae*. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639342925.

5- Samad S, **Javaid A** (2011). Eucalyptus Dieback in Pakistan: Identification and management of the pathogens. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639333664.

6- Amin M, **Javaid A** (2011). Management of Charcoal Rot of Sunflower: Antifungal activity of *Chenopodium* extracts. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639368741.

7- Adress H, **Javaid A** (2011). Management of Parthenium Weed: Management of Parthenium Weed: Fungal metabolites as alternative herbicides. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639370737.

8- Jabeen K, **Javaid A,** Athar M (2011). Chickpea Blight Management by Natural Compounds of Allelopathic Trees. VDM Verlag Dr. Muller, Germany. ISBN: 978-3639379471.

9- Akhtar R, **Javaid A** (2012). Biological Control of Basal Rot of Onion: Evaluation of antifungal activity of *Trichoderma* and *Withania somniffera*. Lambert Academic Publishers, Germany. ISBN: 978-3-659-13886-7.

10- Naqvi SF, **Javaid A** (2013). Management of *Macrophomina phaseolina* by allelopathic grasses. Lambert Academic Publishers, Germany. ISBN: 978-3659241932.

11- Bashir A, **Javaid A** (2014). Management of Fusarium Wilt Pathogen of Tomato: *Triochoderma* spp. and radish extracts as antifungal agents against *Fusarium oxysporum* f. sp. *lycopersici*. Lambert Academic Publishers, Germany. ISBN: 978-3-8484-1856-5.

12- Afzal L, **Javaid A,** Shoaib A (2015). Management of Macrophomina Root Rot of Mungbean: Use of *Trichoderma harzianum* and *Sisymbrium irio* as natural antifungal agents. Lambert Academic Publishers, Germany. ISBN: 978-3-659-62229-8.

13- Khan IH, **Javaid A** (2015). Management of Rot Disease of Chickpea: Use of fungicides and dry biomass of Meliaceae plants to control *Sclerotium rolfsii*. Lambert Academic Publishers, Germany. ISBN: 978-3-659-29793-9.

BOOK CHAPTERS

1- **Javaid A** (2008). Chapter 6: Role of Mycorrhizae in Plant Nutrition. In: Microbes in Sustainable Agriculture. M. S. Khan, A. Zaidi, J. Mussarrat (Eds.). Nova Science Publishers, Inc. New York. ISBN 978-1-60456-929-2. pp. 145-166

2- Bajwa R, Nasim G, **Javaid A.** (2009). Chapter 7: Mycorrhiza Plant Bioassays. In: Plant Bioassays. S.S. Narwal, D.A. Sampietro, C.A.N. Catalan, M.A. Vattuone, B. Polityck (eds.), Studium Press, LLS, USA. ISBN: 1-933699-42-6. pp. 111-130.

3- **Javaid A** (2010). Chapter 12: Beneficial Microorganisms for Sustainable Agricultural. In: Genetic Engineering, Biofertilisation, Soil Quality and Organic Farming, Sustainable Agriculture Reviews – 4. Lichtfouse E. (ed.). Springer Publishers Netherlands. ISBN: 978-90-481-8740-9. DOI 10.1007/978-90-481-8741-6_12. pp. 347-369.

4- **Javaid A** (2010). Chapter 17. Role of Arbuscular Mycorrhizal Fungi in Nitrogen Fixation in Legumes. In: Microbes for Legumes Improvement. M. S. Khan et al. (Eds.), Springer Wein New York, 2010. pp. 409-426. DOI 10.1007/978-3-211-99753-6_17, ISBN: 978-3-211-99752-9.

5- **Javaid A** (2010). Chapter 10. Forest Diseases of Seed and Planting Material. In: Introductory Seed Pathology. Published by Higher Education Commission of Pakistan. pp. 229-256.

6- **Javaid A** (2011). Chapter 5. Importance of Arbuscular Mycorrhizal Fungi in Phytoremediation of Heavy Metal Contaminated Soils. In: *Biomanagement of Metal-Contaminated Soils.* Khan M.S., Zaidi A., Goel R., Mussarat J. (Eds.), Springer Publishers Netherlands. pp. 125-141. ISBN 978-94-007-1914-9

7- **Javaid A,** Shoaib A, Khan SN (2012). Chapter 25. Mango Cultivation in Pakistan. In: *Mango Cultivation in Different Countries.* Vol. 2. Valavi SG, Mohan R, Govil JN, Peter KV, Thottappilly G (eds.). Studium Press LLC, USA. ISBN 1-933699-94-9. pp. 385-394.

8- **Javaid A,** Shoaib A (2013). Chapter 12. Allelopathy for the Management of Phytopathogens. In: *Allelopathy: Current Trends and Future Applications*. Cheema ZA, Farooq M, Wahid A (Eds.). Springer-Verlag Berlin Heidelberg. ISBN 978-3-642-30594-8. pp. 299-319. DOI: 10.1007/978-3-642-30595-5_12

9- Shoaib A, **Javaid A** (2021). Chapter 7. Oxidative stress in plants exposed to heavy metal. In: Organic solutes, oxidative stress and antioxidant enzymes under abiotic stressors. Latef AAHA (Ed.). CRC Press, Taylor & Francis Group. pp. 133-152. ISBN: 978-0-367-90140-0

10- Khan IH, **Javaid A** (2023). Chapter 3. *Macrophomina phaseolina* causing various diseases in different crops. In: *Macrophomina phaseolina*: Ecobiology, Pathology and Management. Kumar P, Dubey RC (eds.), Elesivier Publishers. ISBN: 9780443154430 (in press)

RESEARCH THESES EVALUATION AS EXTERNAL EXAMINER

Ph. D. Theses Evaluation

1. Bhatate Sanjay Raghunath (2014). Studies in Allelopathy of some Forest Trees from Garbbagiri Hills, District Ahmednagar. Post Graguate Research Centre, Department of Botany, New Arts, Commerce and Science College Ahmednagar, India.
2. Humera Nawaz (2020). Effect of citric acid and EDTA to enhance phytoremediation of nickel by canola (*Brassica napus* L.). Department of Botany, University of Sargodha.
3. Manal Mohamed Abdel Alim (2022). Biosynthesis of nanoparticles using some fungal species and evaluating their antimicrobial activity. Department of Biotechnology and Life Sciences Faculty of Postgraduate Studies for Advanced Sciences (PSAS), Beni-Suef University (BSU), Egypt.

M. Phil./ M.Sc. (Hons.)/MS Theses Evaluation

1. Muddassar Hussain (2010). Evaluation of gram germplasm against *Ascochyta rabiei* for the source of resistance in relation to epidemiological factors and its management through fungicides. Department of Plant Pathology, University of Agriculture, Faisalabad.
2. Irum Habib (2013). Antifungal activity of *Ficus benghalensis* L. against *Botrytis cinerea* (Per) Fr, causal agent of grey mold of tomato. Department of Botany, Lahore College for Women University, Lahore.
3. Huma Shahbaz (2013). Competitive herbicidal potential of local wheat (*Triticum aestivum* L.) varieties. Department of Botany, Lahore College for Women University, Lahore.
4. Shahnaz Hanif (2013). Evaluation of antifungal potential of *Albizia lebbeck* (L.) Benth against Phytopathogenic fungus *Rhizoctonia solani*. Department of Botany, Lahore College for Women University, Lahore.
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7. Aqsa Zahid Sherazi (2014). Management of *Ascochyta rabiei* (Pass) Lab. by *Chenopodium album* extracts. Department of Botany, Lahore College for Women University, Lahore.
8. Bareera Khan (2014). Evaluation of antifungal potential of *Euphorbia hirat* L. against *Colletotrichum gloeosporidoides.* Department of Botany, Lahore College for Women University, Lahore.
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19. Hafiz Muhammad Waqas (2017). Characterization of *Agaricus bisporus* chemical comonents for different bioactivities. Department of Botany, University of Gujrat, Gujrat.
20. Iram Naz Sherazi (2017). Biological activities of constituents of *Amaranthus viridis* L. Department of Botany, University of Gujrat, Gujrat.
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22. Farwa Iftikhar (2018). Role of fulvic acid in antioxidant activity of maize subjected to heavy metal stress. Department of Botany, University of the Punjab Lahore.
23. Faiza Ahmad (2018). Influence of silicon nanoparticles on *Avena sativa* L. to *Rhizoctonia solani.* Department of Botany, Lahore College for Women University, Lahore.
24. Tooba Shafiq (2018). Antifungal and antioxidant potential of *Ocimum* species against *Ascochyta rabiei*. Department of Botany, Lahore College for Women University, Lahore.
25. Khola Javaid (2018). Ethnobotanical survey and phytochemical analysis of medicinal plants of tehsil Noshehra Virkan district Gujranwala. Department of Botany, University of Gujrat, Gujrat.
26. Yasir Rafique Butt (2018). Exploring the bioactive constituents of *Dryoptris nigropaleacea*. Department of Botany, University of Gujrat, Gujrat.
27. Mujahid Hussain (2019). Phytoremidiation potential of major aquatic plants from different aqua contaminated sites of district Sargodha. Department of Botany, University of Sargodha.
28. Safia Mahboob (2019). A study of Agronomic traits of wheat under drought stress. Department of Botany, University of Sargodha.
29. Muhammad Qayyum (2019). Impact of different treatments of nitrogen fertilizers on the morphology and growth of canola. Department of Botany, University of Sargodha.
30. Pervaize Akhtar (2019). Bioaccumulation of heavy metals in vegetable crops. Department of Botany, University of Sargodha.
31. Tehreem Pervaiz (2019). Department of Botany, University of Sargodha.

32. Hafiza Maliha Tanveer (2019). Efficacy of various seed priming techniques on morphological and biochemical markers of *Ocimum* species. Department of Botany, Lahore College for Women University, Lahore.
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34. Palwasha Kamran (2019). Physiolgical response and *in silico* determination of *Lens culinaris* Medik to wilt disease and the control of this disease by *Melilotus indicus* L. Department of Botany, Lahore College for Women University, Lahore.
35. Amina Anwaar (2019). Phytochemical analysis and antifungal activity of extracts of *Medicago sativa* L. and *Malva palviflora* L. against *Rhizontonia solani* Kuhn. Department of Botany, Lahore College for Women University, Lahore.
36. Sadia Nazeer (2019). Ethnobotanical Survey and Phytochemical Analysis of Flora of District Narowal. Department of Botany, University of Gujrat, Gujrat.
37. Bakhtawar Ansar (2019). Control of *Fusarium oxysporum* by *Cannabis sativa.* Department of Botany, University of Gujrat, Gujrat.
38. Tayyaba Afzal (2019). Antibacterial and anthelmintic activity of *Chenopodium album* and *Spinacia oleracea.* Department of Botany, University of Education Lahore.
39. Muhammad Abdullah Atif (2019). Impact of soil amendment with farmyard manure on charcoal rotted maize maize plant. Department of Botany, Minhaj University Lahore.
40. Rubina Ashraf (2019). Green synthesis of selenium doped zinc oxide nano-particle and its impaction n *Macrophomina phaseolina* and *Xanthomonas compestris.* Department of Botany, Minhaj University Lahore.
41. Nuzhat Rasul (2020). Assssment of genetic diversity revealed by molecular markers in *Pinus girardiana* poulations from Astore, Gilgit-Baltistan, Pakistan. Department of Botany, University of Sargodha.
42. Muhammad Kashif (2020). Allelopathic potential of some weed residues on sprouting and growth of purple nutsedge. Department of Botany, University of Sargodha.
43. Faiza Muzaffar (2020). Relative effects of organic amendments and crop rotation on soil microbial communities assessed by DNA extraction analysis. Department of Botany, University of the Punjab Lahore.
44. Umarah Syed (2020). Control of soil nutrient loss by application of selected mineralized organic amendments during onion cultivation. Department of Botany, University of the Punjab Lahore.
45. Nafeesa (2021). Effectiveness of physico-chemical treatment of rice straw for its rapid composting. Department of Botany, University of the Punjab Lahore.
46. Muhammad Ihsan (2021). Controlling seed-bank and allelopathic effects of *Parthenium hysterophorus* L. Department of Botany, University of the Punjab Lahore.
47. Erum Hameed (2021). Characterization of peanut shell biochar derived under different pyrolysis conditions. Department of Botany, University of the Punjab Lahore.
48. Farwa Iqbal (2021). Using aquatic weed biomass as feedstock for biochar production and its application in soil. Department of Botany, University of the Punjab, Lahore.
49. Afsa Ayub (2021). *In vitro* study of DNA damage of sugarcane (*Sccharum officinarum*). Department of Botany, University of Sargodha.
50. Muqaddas Tariq (2021). Effects of sheep hair liquid nitrogenous fertilizer on the morphological and biochemical characters of *Spinacia oleracea* L. Department of Botany, University of Education Lahore.
51. Summan Faheem (2021). Effect of nutrient content of waste human hair on the morphological and biochemical characteristics of *Brassica campestris* L. Department of Botany, University of Education Lahore.

52. Mahnoor Rao (2022). Diversity of plants and community structure along two banks of river Jhelum. Department of Botany, University of Sargodha.
53. Zernab Sehar (2022). Determination of heavy metal (Cr, Cd, Cu) uptake potential of some naturally growing weeds near industrial wastewater points of LAHORE. Department of Botany, University of Education Lahore.
54.

M.Sc./BS/B.Sc. (Hons) Theses Evaluation

1. Farkhanda Naz (2015). Formulation of flavoured soy yogurt and comparison of its nutritional contents with commercially available yogurt. Govt. Postgraduate College for Women, Sammonabad, Lahore.
2. Hadia Fazal (2015). Determination of nutritional status of processed juice prepared from tomato fruits. Govt. Postgraduate College for Women, Sammonabad, Lahore.
3. Hafiz Alweena Haroon (2015). Nutrition evaluation of orange pulp. Govt. Postgraduate College for Women, Sammonabad, Lahore.
4. Aatiqa Masoom (2015). Development and nutrition evaluation of soy based slimming diet. Govt. Postgraduate College for Women, Sammonabad, Lahore.
5. Aisha Riaz (2015). Medicinally important plants of Jallo Forest Lahore. Govt. Postgraduate College for Women, Sammonabad, Lahore.
6. Hafiza Areeba Mahmood (2015). Isolation and characterization of phosphate solubilizing bacterial strains. Govt. Postgraduate College for Women, Sammonabad, Lahore.
7. Anam Riz (2015). Study of growth strategies of *Conyza ambigu*a and *Eclipta alba.* Govt. College for Women, Gulberg Lahore.
8. Khadija Rana (2015). Study of growth strategies of *Solanum nigrum* and *Xanthium strumarium.* Govt. College for Women, Gulberg Lahore.
9. Sadia Ibrahim (2015). Study of growth strategies of *Coronopus didymus* and *Poa annua*. Govt. College for Women, Gulberg Lahore.
10. Sounaila Khan (2015). Study of growth strategies of *Euphorbia prostrata* and *Malvestrum tricuspidatum.* Govt. College for Women, Gulberg Lahore.
11. Zainab Imtiaz (2015). Study of growth strategies of *Cynodon dactylon* and *Sonchus asper*. Govt. College for Women, Gulberg Lahore.
12. Alina Javed (2017). Management of *Syzygium cumini* leaf necrosis by secondary metabolites of *Trichoderma.* Department of Botany, University of Education Lahore.
13. Fatina Ali (2017). Identification of filamentous fungi causing banana fruit rot. Department of Botany, University of Education Lahore.
14. Rubab Rafique (2017). Detection and impact of aflatoxins in reducing soil fertility. Department of Botany, University of Education Lahore.
15. Maryam Riaz (2017). Reproductive Biology of *Parthenium hysterophorus* L. Department of Botany, University of the Punjab, Lahore.
16. Nabila Asmat (2017). Development of *Zygogramma bicolarata* Pallister on different populations of Parthenium hysterophorus L. Department of Botany, University of the Punjab, Lahore.
17. Safia Batool (2018). Suppressive effects of different populations of *Parthenium hysterophorus* L. on wheat. Department of Botany, University of the Punjab, Lahore.
18. Madiha Shahzadi (2018). A checklist and risk assessment of alien invasive species of Pakistan. Department of Botany, University of the Punjab, Lahore.
19. Muhammad Mudasir (2019). Department of Botany, GC University Lahore.
20. Rafia Syeda (2020). Study of impact of biopesticides on pests of *Solanum lycopersicum* L. Department of Botany, Govt. College of Science, Wahdat Road, Lahore.

21. Sehrish Khaliq (2020). Study of biopesticides on pests of *Brassica oleracea* L. Department of Botany, Govt. College of Science, Wahdat Road, Lahore.
22. Fatima Waheed (2020). Effect of different types of composts on NPK availability in soil. Department of Botany, University of the Punjab, Lahore.
23. Hafiza Rimsha Sarwar (2020). Effect of weed-based biochar and compost on the growth of *Tagetes patula* L. Department of Botany, University of the Punjab, Lahore.
24. Jalil Ahmed (2020). Assessing greenhouse gas emissions from wheat fields applied with different organic amendments. Department of Botany, University of the Punjab, Lahore.
25. M. Muntazir Mehdi (2020). Effect of different soil amendments on soil health, crop productivity and occurrence of weeds in wheat fields. Department of Botany, University of the Punjab, Lahore.
26. Rafia Mubeen (2020). Assessment of invasion potential of Parthenium hysterophorous L. based on its soil seed bank management. Department of Botany, University of the Punjab, Lahore.
27. Fatima Zubair (2020). Spatio-temporal variation in the synecological analysis of *Parthenium hysterophorus* L. in the Botanical Garden of University of the Punjab Lahore. Department of Botany, University of the Punjab, Lahore.
28. Lyeba Shoaib (2021). Allelopathic effect of *Parthenium hysterophorus* L. on growth of *Phaseolus vulgaris* L. Department of Botany, University of the Punjab Lahore.
29. Isha Shakoor (2021). Removal of nickel from ghee industry effluent by autochthonous fungi. Department of Botany, University of the Punjab Lahore.
30. Tabinda Rohee (2021). Effect of *Trichoderma pseudokoningii* on growth and phytoextraction of chromium by *Helianthus annuus* L. Department of Botany, University of the Punjab Lahore.
31. Mubeen Akhtar (2021). Efficacy of *Aspergillus niger* to remove heavy metals from aqueous solution of tannery solid waste biochar. Department of Botany, University of the Punjab Lahore.
32. Iqra (2021). Screening and application of selected *Trichoderma* strains as bioassistants in phytoextraction of Cd with *Abelmoschus esculentus* L. Department of Botany, University of the Punjab Lahore.
33. Noor e Hira (2021). Role of elected strain of *Aspergillus niger* in enhancing lead phytoextraction efficiency of *Tagetes erectus.* Department of Botany, University of the Punjab Lahore.
34. Maria Idrees (2021). Growth response of *Suaeda fruticosa* Forssk ex J.F. Gmel on permanent tannery sludge lagoons. Department of Botany, University of the Punjab Lahore.

RESEARCH PROJECTS

Projects Title	Principal/ Co-Principal Investigation	Amount	Sponsoring Agency	Duration
Herbicidal activity of metabolites of *Trichoderma* spp. against some problematic weeds of wheat	PI	Rs. 100000/-	Punjab University	2007-2008
Natural compounds from allelopathic trees as antifungal agents against *Ascochyta rabiei* (Pass.) Lab. [Project No. **PSF-NSLP-P-PU (53)**]	PI	Rs. 2012256/-	PSF	2009-2012
Evaluation of antifungal potential of *Datura metel* for management of root rot in mungbean caused by *Macrophomina phaseolina*	PI	Rs. 100000/-	Punjab University	2008-2009
Management of Capsicum Wilt by *Coronopus didymus*	PI	Rs. 125000/-	Punjab University	2009-2010
Management of Basal Plate Rot Disease of Onion by Extracts and Residue incorporation of *Withania somnifera*	PI	Rs. 150000/-	Punjab University	2010-2011
Biological Control of Charcoal Rot of Mungbean by *Trichoderma* and *Sisymbrium irio*	PI	Rs. 150000/-	Punjab University	2011-2012
Lumpsum Research Grant	PI	Rs. 769000/-	Punjab University	2011-2012
Management of Fusarium wilt of tomato by *Trichoderma* and *Raphanus sativus.*	PI	Rs. 150000/-	Punjab University	2012-2013
Management of charcoal rot of mungbean by two *Trichoderma* species and dry biomass of *Coronopus didymus*	PI	Rs. 150000/-	Punjab University	2013-2014
Induction of resistance in black gram against *Macrophomina phaseolina* through soil amendment with dry biomass of *Sonchus oleraceous* L.	PI	Rs. 150000/-	Punjab University	2014-2015
Management of parthenium weed by exploiting allelopathic potential of *Chenopodium* spp.	PI	Rs. 150000/-	Punjab University	2015-2016
Identification of potential herbicidal constituents in *Penicillium* spp. against parthenium weed	PI	Rs. 200000/-	Punjab University	2019-2020
Control of *Macrophomina*	PI	Rs.	Punjab	2020-2021

phaseolina by natural compounds of *Cannabis sativa* L.		200000/-	University	
Exploiting natural compounds of *Tabernaemontana divaricata* to control *Macrophomina phaseolina* and aspergilli.	PI	Rs. 360000/-	Punjab University	2021-2022
Biosynthesis of metal nanoparticles from extracts of *Chenopodium* species for the control of *Macrophomina phaseolina* and *Sclerotium rolfsii*	PI	Rs. 300000/-	Punjab University	2022-2023

CONFERENCES/SYMPOSIA/SEMINARS

Oral Presentations

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2. **A. Javaid** (1999). Yield performance of *Pleurotus ostreatus* (Oyster mushroom) cultivated on cereal crop residues amended with *Sesbania sesban* leaves. Presented in 2nd National Conference of Plant Pathologists. September 27-29, 1999, University of Agriculture Faisalabad.
3. **A. Javaid** (2000). Suitability of paper mill wastewater affected soil for maize and mungbean cultivation. Presented in 7th National Conference of Plant Scientists, November 14-16, 2000, Department of Botany, University of the Punjab Lahore.
4. **Javaid A (**2004). *Parthenium* as a green manure. Presented in HEC Symposium on Awareness of Parthenium Weed, 6th –7th August 2004. Department of Mycology and Plant Pathology, University of the Punjab Lahore, Pakistan.
5. **Javaid A** (2005). Field efficacy of combined microbial inoculation. In: International Symposium on Biofertilizers and Biocontrol, 25-27 July 2005, MPPL, Punjab University Lahore.
6. **Javaid A (**2005). Rapid spread of *Parthenium hysterophorus* in Punjab, Pakistan. Presented in 1st Khasmir International Science Conference, 20-21 September, 2005, University of Azad Jammu and Kashmir, Muzafarabad.
7. **Javaid A (**2005). Shisham decline in Pakistan and its management. International Symposium on Recent Trends in Plant Disease Management. 20-22 December 2005, Department of Botany, University of Karachi, Pakistan.
8. **Javaid A (**2006). Causes of rapid spread of *Parthenium* in Pakistan and its management – a review. 9th National Conference of Plant Scientists, 13-15 February 2006. The Institute of Botany, University of Sind, Jamshoro, Pakistan.
9. **Javaid A**, Bajwa R (2006). Integrated Disease Management Approach to Control Shisham (*Dalbergia sissoo* Roxb.) Decline in Pakistan. 9th National Conference of Plant Scientists, 13-15 February 2006. The Institute of Botany, University of Sind, Jamshoro, Pakistan.
10. **Javaid A (**2006). Biological and chemical control of noxious alien weed *Parthenium hysterophorus*. 34th All Pakistan International SAARC Countries Science Conference, 20-22 February 2006. University of Veterinary and Animal Sciences, Lahore.
11. **Javaid A** (2006). First report of biological control of *Parthenium hysterophorus* by *Zygogramma bicolorata* in Pakistan. Second International Weed Science Conference**,** March 20-22, 2006. University of Arid Agriculture Rawalpindi, Pakistan.
12. **Javaid A,** Bajwa R (2006). Use of different agricultural biotechnologies to improve the growth, nodulation, yield and nodulation of mungbean [*Vigna radiata* (L) WIlczek]. In:

1st International Conference on Biotechnology & Informatics**,** 10-12 April, 2006, Balochistan University of Information Technology & Management Sciences, Quetta, Pakistan.

13. **Javaid A,** Bajwa R (2006). Role of EM, VAM, and BNF biotechnologies in improving qualitative and quantitative yield of mungbean. In: International Conference on Biotechnology: Shaping Future Agriculture**,** June 20-21, 2006. University of Arid Agriculture Rawalpindi, Pakistan.

14. **Javaid A** (2007). Dieback of forest and orchard trees in Pakistan. In: Third International Conference on Plant Pathology: Future Food Security**.** November 19-21, 2007. Department of Mycology & Plant Pathology, Punjab University Lahore, Pakistan.

15. **Javaid A** (2007). Chemical control of aggressive alien weed *Parthenium hysterophorus* L. In: 8th National Weed Science Conference**,** June 25-27, 2007, Government College University Lahore.

16. **Javaid A** (2007). Response of soybean to two types of microbial biofertilizers. International Conference "Biological Resources of Pakistan, Problems, Success and Future Prospective**.** April 25-27, 2007. University of Arid Agriculture Rawalpindi.

17. **Javaid A** (2007). Control of *Parthenium* weeds by exploiting *Alstonia* allelopathy. International Conference "Role of Allelopathy in Sustainable Agriculture". March 22-24, 2007, University of Arid Agriculture Rawalpindi.

18. **Javaid A** (2007). Allelopathic potential of some grasses to control noxious weed *Parthenium hysterophorus.* International Workshop on Allelopathy "Current Trends and Future Applications". March 18-21, 2007. University of Agriculture, Faisalabad.

19. **Javaid A** (2008). Herbicidal activity of medicinal plant *Withania somnifera.* In: 1st International Seminar on Medicinal Plants, May 21-24, 2008, Lahore College for Women University, Lahore, Pakistan.

20. **Javaid A** (2008). Herbicidal activity of aqueous extracts of two solanaceous medicinal herbs against parthenium weed. In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

21. **Javaid A** (2008). Fungal metabolites as bioherbicides for management of parthenium weed. In: International Research Conference, October 27-28, 2008, University of South Asia, Lahore.

22. **Javaid A** (2008). Herbicidal activity of culture filtrates of phytopathogenic fungi against parthenium weed. In: 35th All Pakistan Science Conference, December 20-23, 2008, University of Karachi, Karachi Pakistan.

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24. **Javaid A** (2009). Herbicidal activity of extracts and residues of *Withania somnifera* against *Phalaris minor.* In: International Conference on Advances in Agriculture: Prospects and Potentials of Natural Resources in Food Security, August 11-12, 2009, Faculty of Agriculture, Rawlakot, University of Azad Jammu and Kashmir.

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29. **Javaid A,** Iqbal D (2010). Management of *Sclerotium rolfsii* by *Coronopus didymus.* 1st International Conference on Antimicrobial Research. November 3-5, 2010, Valladolid, **Spain**.

30. **Javaid A,** Kanwal Q, Hussain I, Sidiqui HL (2010). Antimicrobial flavonoids isolated from mango leaves. 1st International Conference on Antimicrobial Research. November 3-5, 2010, Valladolid, **Spain**.

31. **Javaid A** (2011). Beneficial microorganisms for sustainable mungbean production. 2nd International Conference of Plant Scientists & 11th National Meeting of Plant Scientists, February 22-24, 2011 at GC University Lahore.

32. **Javaid A** (2011). Invasion of alien weed *Parthenium hysterophorus* L. in different areas of Punjab, Pakistan. National Symposium on Biodiversity of Pakistan, June 7-9, 2011, Hotel Margala, Islamabad.

33. **Javaid A** and Akbar M (2011). Alternative control of *Rumex dentatus* in wheat fields by metabolites of *Drechslera* spp. National Conference on Sustainable Agriculture in Changing Climate. July 7-9, 2011, Peshawar University Summer Campus, Bara Gali, Abbotabad, Pakistan.

34. **Javaid A,** Shafique G, Ali S, Shoaib A (2011). Evaluation of herbicidal activity of metabolites of *Trichoderma* spp. for the management of parthenium weed. 3rd International Symposium on Environmental Weeds and Invasive Plants, October 2-7, 2011, Monte Verita, Ascona, **Switzerland**.

35. **Javaid A,** Munir R (2011). Management of Ascochyta blight of chickpea by *Withania somnifera.* In: 8th National Conference of Pakistan Phytopathological Society, November 14-15, 2011, University of Agriculture, Faisalabad.

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39. **Javaid A,** Shafique S, Shafique S (2012). Management of littleseed canarygrass (*Phalaris minor* Retz.) by extracts and residues of *Parthenium hysterophorus* L. International Conference on Climate Change: A Challenge for Agriculturists, May 28-30, 2012, Khyber Pakhtunkhwa Agricultural University, Peshawar.

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49. **Javaid A,** Khan IH (2014). Chemical control of collar rot disease of chickpea. In: 4th International and 13th National conference of Pakistan Botanical Society. August 27-30, 2014, Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa Pakistan.

50. Javaid A, Akhtar R (2014). Use of natural resources for management of basal rot of onion. In: International Conference of Plant Sciences, 22 to 24 September, 2014, GC University, Lahore, Pakistan.

51. Javaid A, Akbar M (2014). Isolation of an herbicidal constituent from culture filtrates of *Drechslera hawaiiensis* for management of *Rumex dentatus.* In: International Conference on Agriculture, Biology and Environmental Sciences, December 8-9, 2014 at Denpasar, Bali, **Indonesia**.

52. Javaid A, Akbar M, Ahmad E (2015). Management of *Rumex dentatus* by fungal metabolites. In: 5th International and 12th National Conference of the Weed Science Society of Pakistan, June 12-14, 2015, at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa, Pakistan.

53. Javaid A, Kanwal A (2015). Management of charcoal rot of mashbean by *Trichoderma harzianum* and natural compounds of prickly acacia. In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, 2015, University of the Punjab, Lahore, Pakistan.

54. Javaid A, Akhtar R (2016). Environmental friendly strategies for management of basal rot disease of onion. In: 2nd International conference of Horticultural Science, February 18-20, 2016, at University of Agriculture, Faisalabad, Pakistan.

55. Javaid A, Qudsia H, Shoaib A (2016). Bioassays guided fractionation of *Senna occidentalis* for identification of natural antifungal constituents against *Macrophomina phaseolina.* In: International Conference on Major Environmental Constraints to Plants: Assessment and Reclamations, March 28-30, 2016, at Government College University, Faisalabad, Pakistan.

56. Javaid A, Jabeen N (2016). Management of *Sclerotium rolfsii* by methanolic fruit extract of *Datura metal.* In: First International Conference on Resource Management, Challenges and Opportunities, April 14-15, 2016, at University of Management Sciences & Information Technology, Kotli, Azad Jammu & Kashmir, Pakistan.

57. Javaid A, Akbar M (2016). Isolation of (Z)- docos-5-en-1-oic acid from culture filtrates of *Drechslera hawaiiensis.* In: 13th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology on Recent Advances and Challenges in Molecular Biology, Biochemistry & Biotechnology, August 25-27, 2016, at COMSAT Institute of Information Technology, Abbottabad, Pakistan.

58. Javaid A (2016). Effect of NPK fertilizers and biofertilizers on growth and yield of mungbean under field conditions. In: International Conference on Significance of Potash in Pakistani Agriculture, November 24-25, 2016, University of the Punjab Lahore, Pakistan.

59. Javaid A, Mubeen T, Bashir U (2016). Culture filtrates of *Alternaria* spp. as natural herbicides for management of parthenium weed. In: 3rd International Conference of Agricultural Sciences, December 8-9, 2016, Faculty of Agricultural Sciences, Sabaragamuawa University of **Sri Lanka**.

60. Javaid A, Qudsia H, Shoaib A (2017). Biofungicidal potential of *Senna occidentalis* against *Macrophomina phaseolina.* In: International conference on Current Research in Chemical and Pharmaceutical Sciences, January 18-20, 2017, Forman Christian College Lahore, Pakistan.

61. **Javaid A,** Akbar M, Ahmed E (2017). Ecofriendly strategy for management of a problematic weed of wheat. In: 1st International conference on Emerging Trends in Earth and Environmental Sciences, March 9-10, 2017, College of Earth and Environmental Sciences (CEES) University of the Punjab Lahore, Pakistan.

62. **Javaid A,** Jabeen N, Ahmed E (2017). Antifungal activity of methanolic stem extract of *Datura metel* against *Sclerotium rolfii*, the cause of collar rot of bell pepper. In: 1st International Conference on Plants; Their Chemical and Biological Applications for Today and Tomorrow, April 12-14, 2017, Department of Botany, University of Gujrat, Gujrat, Pakistan.

63. **Javaid A,** Jabeen N, Ahmed E (2017). Antifungal activity and GC-MS analysis of fruit extract of *Datura metel* against *Sclerotium rolfsii*. In: 3rd International Conference on Agriculture, Food Security, and Biotechnology, April 26-27, 2017, National Institute for Genomics & Advanced Biotechnology (NIGAB), NARC Islamabad, Pakistan.

64. **Javaid A,** Latif U, Akhtar N, Ahmed D (2017). Fungicidal potential of *Coronopus didymus* against *Fusarium moniliforme.* In: 6th International and 15th National Conference on 'Dynamic Trends in Plant Sciences: Fostering Environment and Food Security, May 9-11, 2017, Sardar Bahadar Khan Women University Quetta, Pakistan.

65. **Javaid A** (2017). Invasion of an alien weed *Parthenium hysterophorus* L. in different parts of Punjab, Pakistan. 7th National Conference on Biodiversity Conservation, Livelihood and Sustainable Development, July 10-12, 2017, Baragali Summer Campus of University of Peshawar, Pakistan.

66. **Javaid A**, Jabeen N, Shoaib A (2017). Management of southern blight of bell pepper by soil amendment with dry biomass of *Datura metel.* In: 26th Asian-Pacific Weed Science Society Conference, September 19-22, 2017, Kyoto Research Park, Kyoto, **Japan.**

67. **Javaid A**, (2017). GC-MS analysis and fungicidal potential of flower extract of *Acacia nilotica* subsp. *indica* against *Macrophomina phaseolina.* In: 1st National Conference on Bioactivity of Phytochemicals, October 4-6, 2017, University of Lahore, Pakistan.

68. **Javaid A**, Latif U, Akhtar N, Ahmed D (2017). Molecular characterization of *Fusarium moniliforme* and its management by methanolic extract of *Coronopus didymus.* In: 1st Interational Conference on New Trends in Natural Sciences from Basic to Applied, October 25-27, 2017, Lahore College for Women University, Lahore, Pakistan.

69. **Javaid A**, Afzal R, Shoaib A (2017). Biological management of southern blight of chili by *Penicillium oxalicum* and leaves of *Eucalyptus citriodora.* In: 6th International Conference of Pakistan Phytopathological Society: Plant Health for Sustainable Agriculture, November 20-22, 2017, Bahauddin Zakriya University, Multan, Pakistan.

70. **Javaid A**, Akbar M, Ahmed E (2017). Isolation of an herbicidal compound from culture filtrates of *Drechslera australiensis* through bioassays guided fractionation. International Conference on Conventional and Modern Approaches in Plant Sciences, November 28-29, 2017, University of the Punjab, Lahore, Pakistan.

71. **Javaid A**, Jabeen N, Ahmed E, Qureshi MZ (2017). Exploiting antifungal potential of leaf extract of *Datura metel* for management of *Sclerotium rolfii*. In: 2nd International Conference on Innovative Biological and Public Health Research, December 6-7, 2017, Department of Zoology, GC University Lahore, Pakistan.

72. Javaid A, Sana N, Shoaib A (2017). Antifungal activity against *Sclerotium rolfsii* and GC-MS analysis of leaf extract of *Azadirachta indica.* In: 11th International Conference of Pakistan Society for Microbiology: Applied Microbial Genomics in Public Health, Food, Pharma and Agriculture, December 18-20, 2017, Bahauddin Zakriya University, Multan, Pakistan.

73. Javaid A, Akbar M, Ahmed E (2018). Fungal metabolites as natural herbicides. In: International Conference on Microbiology and Genetic Engineering, February 7-9, 2018, Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan.

74. Javaid A, Anjum F, Akhtar N (2018). Molecular characterization of *Pyricularia oryzae* and its management by stem extract of *Tribulus terrestris.* In: The 1st International Conference on Applied Agricultural Sciences and Prospective Technology, February 23-26, 2018, Luxor, **Egypt**.

75. Javaid A, Akbar M (2018). Alternative to herbicides strategy for management of toothed dock weed in wheat under field conditions. In: 7th International and 16th National Conference on Plant Resources: Current Trends, Challenges and Solutions, March 23-26, 2018, Islamia College Peshawar, Pakistan.

76. Javaid A, Mubeen T, F, Bashir U (2018). Management of parthenium weed by metabolites of *Alternaria japonica.* In: 14th National Weed Science Congress of Weed Science Society of Pakistan, March 24-25, 2018, Islamia College Peshawar, Pakistan.

77. Javaid A (2018). Non-chemical control of collar rot of bell pepper. International Horticulture Conference 2018", April 25 to 27, 2018, Arid Agriculture University Rawalpindi, Pakistan.

78. Javaid A (2018). Alternate strategy for management of weeds of wheat. In: International Conference on Current Scenario of Research in Plant Sciences: Challenges and Opportunities, May 9-11, 2018, University of Sargodha, Sargodha, Pakistan.

79. Javaid A (2018). Comparative antifungal activity of different parts of *Datura metel.* In: 3rd International Conference on Biosciences, May 9-11, 2018, GC University Lahore, Pakistan.

80. Javaid A (2018). Biological control of collar rot of chili (*Capsicum annuum* L.). In: International Conference on Biological Control of Pests and Diseases, July 9 to 11, 2018, University of Karachi, Pakistan.

81. Javaid A, Akhtar R (2018). Efficacy of shoot extracts of *Sisymbrium irio* against *Fusarium oxysporum* f. sp. *cepae.* In: Second National Conference on Emerging Trends in Bioinformatics and Biosciences, August 9-11, 2018, Hazara University Mansehra, Pakistan.

82. Javaid A, Jabeen N (2018). Bioactivity of a medicinal herb *Datura metel.* In: First National Conference on Medicinal Plants Research, August 29 to 31, 2018, Karakorum International University, Gilgit, Pakistan.

83. Javaid A (2018). Bioassays guided fractionation of *Ageratum conyzoides* for identification of natural antifungal compounds against *Macrophomina phaseolina.* In: 2nd Global Conference on Plant Science and Molecular Biology, September 20-22, 2018, Hotel Holiday Inn, Rome, **Italy**.

84. Javaid A, Banaras S (2018). Antifungal activity of *Ageratum conyzoides.* In: 4th International Multidisciplinary Research Conference: Global Prosperity through Research and Development, October 9-11, 2018, Sarhad University of Science and Information Technology, Peshawar, Pakistan.

85. Javaid A (2018). Antifungal potential of asteraceous weeds against *Macrophomina phaseolina.* In: 2nd National Conference on Bioactivity of Phytochemicals, November 13-15, 2018, University of Lahore, Pakistan.

86. Javaid A, Akbar M (2018). Use of natural resources for weeds management in wheat. In: National Conference on Agricultural Problems and Food Security in the Changing Climate, November 14-17, 2018, University of Agriculture, Peshawar, Pakistan.

87. Javaid A, Banaras S (2018). Non-chemical control of charcoal rot of urdbean by *Sonchus oleraceous* application. In: 3rd Africa International Allelopathy Congress, November 24-26, 2018, Blida 1 University, Blida, **Algeria**.

88. Javaid A (2018). Identification of potential antifungal constituents in flowers of babul through GC-MS analysis. In: 2nd International Conference on Plant Sciences, December 5-7, 2018, Department of Botany, GC University Lahore, Pakistan.

89. Javaid A, (2018). Molecular characterization of *Alternaria brassicae* and its management by leaf extract of *Syzygium cumini.* In: 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, December 19 to 21, 2018, CEMB University of the Punjab Lahore, Pakistan.

90. Javaid A, Jabeen N (2019). Potential use of devil's trumpet in plant disease management. In: The GRIP's International Conference of Food-Agricultural Sciences and Technologies, January 15-17, 2019, Expo Center Lahore, Pakistan.

91. Javaid A, Jabeen N (2019). Exploiting allelopathic potential of *Datura metel* to control collar rot disease of bell pepper. In: 1st International Conference on Sustainable Agriculture: Food Security under Changing Climate Scenarios (ICSA-2019), April 3-5, 2019, Ghazi University, Dera Ghazi Khan, Pakistan.

92. Javaid A, Rafiq M, Shoaib A (2019). GC-MS analysis of *Eucalyptus camaldulensis* leaf extract for identification of antifungal constituents against *Sclerotium rolfsii.* In: 1st International and 3rd National Conference on Bioactivity of Phytochemicals: Using Plants to Improve Life, November 26-27, 2019, University of Lahore, Pakistan.

93. Javaid A, Khan IH (2020). Comparative antifungal potential of stem extracts of four quinoa varieties against *Macrophomina phaseolina.* In: The 1st International Conference on Advances and Challenges in Basic and Social Sciences in Contemporary Research, February 12-13, Government Post-Graduate Islamia College (Women), Cooper Road, Lahore, Pakistan.

94. Javaid A, Khan IH (2020). First report of *Curvularia lunata* causing postharvest fruit rot of banana in Pakistan. In: International Horticultural Conference. February 26-28, 2020, Punjab University Lahore, Pakistan.

95. Javaid A, Khan IH (2020). Screening of *Aspergillus* spp. for their biocontrol potential against *Macrophomina phaseolina.* In: International Conference of Smart Plantation, an Ultimate Solution to Climate Change, March 2-4, 2020, Lahore College for Women University Lahore, Pakistan.

96. Javaid A (2021). Management of weeds by natural products of fungi. In: 16th National Weed Science Congress of Weed Science Society of Pakistan, July 8-10, 2021, University of Agriculture, Peshawar. (Invited Lecture).

97. Javaid A (2021). Antagonistic activity of *Aspergillus versocolor* against *Macrophomina phaseolina.* In: 3rd International Conference on Environment and Sustainable Development, September 13-15, 2021, GC University Lahore.

98. Javaid A (2021). Identification of natural herbicidal compounds from fungi. In: International Webinar "Role of Allelopathy in Crop Production". September 15, 2021, Organized by Ghazi University, D.G. Khan. (Invited Lecture).

99. Javaid A (2022). Use of natural antifungal compounds of *Datura metel* for sustainable management of collar rot of bell pepper. In: The 1st International Conference on Sustainable Development Goals. March 29-31, 2022, Lahore College for Women University, Lahore. (Invited Lecture)

100. Javaid A, Khan IH (2022). Diversity of antifungal phytochemicals in quinoa (*Chenopodium quinoa* Willd.) roots against *Macrophomina phaseolina*. In: 9th National Conference "Biodiversity, Climate Change and Carbon Sequestration", June 21-23, 2022, Baragali Summer Campus, University of Peshawar, Pakistan.

101. Javaid A, Khan IH (2022). Herbicidal activity of metabolites of *Penicillium* species against parthenium weed and identification of possible herbicidal compounds. In: 17th National Weed Science Conference (Weed Science Society of Pakistan). October 27-28, 2022, Punjab University Lahore, Pakistan.

Poster Presentations

1. Shafique S, Bajwa R, **Javaid A,** Shafique S (2004). Biological control potential of aqueous leaf extracts of allelopathic trees against *Parthenium.* In: HEC Symposium on Awareness of *Parthenium* Weed, 6 –7 August 2004. Department of Mycology and Plant Pathology, University of the Punjab Lahore, Pakistan.

2. Javaid A. (2005). Response of Six Rice (*Oryza sativa* L.) Varieties to *Cyperus rotundus* L. International Seminar on Rice Crop. 2-3 October 2005, Rice Research Institute Kalashah Kaku, Lahore.

3. Javaid A, Bajwa R (2006). Alleviation of allelopathic stress by mycorrhizal fungi in crop plants. International symposium on Strategies for Crop Improvement against Abiotic Stresses, 18-20 September, 2006. Department of Botany, University of Agriculture, Faisalabad, Pakistan.

4. Javaid A, Bajwa R, Shafique S, Shafique S (2006). Role of allelopathy in the management of aggressive alien weed *Parthenium hysterophorus.* Second International Weed Science Conference, March 20-22, 2006. University of Arid Agriculture Rawalpindi, Pakistan.

5. Amin M, **Javaid A** (2007). Antifungal potential of aqueous extracts of *Chenopodium* spp. against *Macrophomina phaseolina.* In: Third International Conference on Plant Pathology: Future Food Security. November 19-21, 2007. Department of Mycology & Plant Pathology, Punjab University Lahore, Pakistan.

6. Idrees H, **Javaid A** (2007). Herbicidal effects of fungal metabolites against parthenium weed. In: Third International Conference on Plant Pathology: Future Food Security**.** November 19-21, 2007. Department of Mycology & Plant Pathology, Punjab University Lahore, Pakistan.

7. **Javaid A** (2007). Response of soybean to *Bradyrhizobium* and effective microorganisms under field conditions. 1st Symposium of Microbiology and Molecular Genetics on Genomics, Proteomics, Metabolomics: Recent Trends in Biotechnology**,** 22-23 October 2007, University of the Punjab Lahore, Pakistan.

8. **Javaid A** (2007). Effective microorganisms as an alternative fertilizer for pea. In: International Symposium on Microbial Biotechnologies for Sustainable Agriculture. March 12-16, 2007, NIBGE Faisalabad, Pakistan.

9. Khan SN, Riaz T, **Javaid A** (2008). Effect of preceding crops on growth and mycorrhizal colonization of *Gladiolus* under biotic stress of *Fusarium oxysporum.* In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

10. **Javaid A,** Shafique S, Bajwa R, Shafique S (2008). Parthenium management through aqueous extracts of *Alstonia scholaris.* In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

11. **Javaid A** (2008). Response of wheat to EM (effective microorganisms) and parthenium green manure. In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

12. Jabeen K, **Javaid A** (2008). Antifungal activity of *Syzygium cumini* against *Ascochyta rabiei.* In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

13. Riaz T, Khan SN, **Javaid A** (2008). Weed flora of *Gladiolus* fields in district Kasure, Pakistan. In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

14. **Javaid A,** Shafique S, Shafique S (2008). Invasion of noxious alien weed *Parthenium hysterophorus* in grazing lands of Lahore, Pakistan. In: International Conference of Plant Scientists, April 21-24, 2008, University of Agriculture Faisalabad, Pakistan.

15. Riaz T, **Javaid A** (2008). Invasion of hostile weed *Parthenium hysterophorus* L. in Wah Cantt, Pakistan. In: International Conference of Plant Scientists, April 21-24 2008, University of Agriculture Faisalabad, Pakistan.

16. Riaz T, Khan SN, **Javaid A** (2008). Effect of inoculum density on *Fusarium* corm rot disease of *Gladiolus.* In: International Conference of Plant Scientists, April 21-24 2008, University of Agriculture Faisalabad, Pakistan.

17. Javaid A, **Javaid A,** Jabeen K (2009). Wheat allelopathy for the management of parthenium weed. In: 9th National Weed Science Conference, June 28-30, 2009, NWFP Agricultural University Peshawar.

18. Riaz T, Khan SN, **Javaid A** (2009). Effect of crop rotation and mixed cropping on corm rot disease of *Gladiolus***.** In: International Conference on Advances in Agriculture: Prospects and Potentials of Natural Resources in Food Security, August 11-12, 2009, Faculty of Agriculture, Rawlakot, University of Azad Jammu and Kashmir.

19. Javaid A, **Javaid A,** Ahmad S, Shad N, Jabeen K (2009). Screening of mungbean germplasm under rice allelopathic stress for best agronomic and symbiotic traits. In: TWAS Regional Young Scientists Conference, November 2 – 5, 2009, Petaling Jaya, Selangor, Malaysia.

20. Javaid A, Shafique S, Shafique S, Riaz T (2009). Management of *Parthenium hysterophorus* by extracts and residues of rice. In: First International Conference of Asian Allelopathy Society, December 18-22, 2009, Guangzhou, China.

21. Ali S, **Javaid A** (2011). Herbicidal activity of metabolites of *Trichoderma* spp. against *Avena fatua*. 2nd International Conference of Plant Scientists & 11th National Meeting of Plant Scientists, February 22-24, 2011 at GC University Lahore.

22. Jabeen K, **Javaid A** (2011). Antifungal activity of *Alstonia scholaris* & *Eucalyptus citriodora* against *Ascochyta rabiei* (causal agent of chickpea blight). International Conference on Sustainable Approaches for Pest and Vector Control Management in Pakistan, February 21-22, 2011, Department of Zoology, Lahore College for Women University, Lahore (**3rd Prize Winner**).

23. Shoaib A, **Javaid A,** Akbar M (2011). Parthenium management by culture filtrates of *Drechslera* species. 3rd International Symposium on Environmental Weeds and Invasive Plants, October 2-7, 2011, Monte Verita, Ascona, Switzerland.

24. Javaid A, Munir R (2012). Bioassay guided fractionation of *Withania somnifera* for the management of chickpea blight pathogen *Ascochyta rabiei.* SAARC Regional Conference on New Frontiers in Agricultural Genomics and Biotechnology, June 5-7, 2012, Marriott Hotel, Islamabad.

25. Javaid A, Rauf S (2012). Bioassays guided fractionation of *Chenopodium album* L. for evaluation of its antifungal activity to control onion basal rot pathogen *Fusarium oxysporum* f. sp. *cepae.* 12th National & 3rd International Conference of Botany, September 1-3, 2012, Quaid-i-Azam University, Islamabad.

26. Javaid A (2013). Management of huge biomass of noxious parthenium weed by using as green manure. 1st International Conference on Global Environmental Changes, January 15-16, 2013, GC University Faisalabad.

27. Nafisa, Shoaib A, **Javaid A,** (2013). *In vitro* response of green peas to white mold under abiotic stress of metal. International Conference on Crop Management in Changing Climate. February 11-13, 2013. University of Agriculture Faisalabad.

28. Javaid A, Akbar M, Ahmed E, Clary J (2014). Isolation of a Natural Herbicidal Constituent Holadysenterine from *Drechslera australiensis* for Management of *Rumex Dentatus.* In: 2nd International Conference on Global Environmental Changes" February 25-26, 2014, Government College University Faisalabad, Pakistan.

29. Khan IH, **Javaid A** (2014). Biochemical control of *Sclerotium rolfsii* by fruit extracts of *Melia azedarach* L. In: International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan. (**2nd Prize Winner**)

30. Akhtar R, **Javaid A** (2014). Antifungal activity of methanolic root extract of *Withania somnifera* against pathogen of basal rot disease of onion. In: International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan.

31. Naqvi SF, **Javaid A** (2014). Evaluation of antifungal potential of *Cenchrus pennisetiformis* for the management of *Macrophomina phaseolina.* In: International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan.

32. Jabeen N, **Javaid A** (2014). Evaluation of methanolic stem extract of *Datura metel* and its fractions against *Sclerotium rolfsii*, the cause of collar rot of bell pepper. In: International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan.

33. **Javaid A**, Afzal L, Shoaib A (2015). Biological control of charcoal rot of mungbean by *Trichoderma harzianum* and shoot dry biomass of *Sisymbrium irio*. In: 18th International Plant Protection Congress, August 24-27, 2015, Henery Ford Bau, Berlin, **Germany**.

34. Khan IH, **Javaid A** (2015). Use of neem leaves as soil amendment for control of collar rot disease of chickpea. In: 4th International Molecular Biology and Biotechnology Congress. Conference on Life Sciences Research – 2015. September 4-6, 2015, Al-Nafees Medical College, Isra University, Islamabad.

35. Akhtar R, **Javaid A** (2015). Biochemical management of *Fusarium oxysporum* f. sp. *cepae* by root extract of *Withania sommnifera.* In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

36. Naqvi SF, **Javaid A**, Shoaib A (2015). Antifungal activity of methanolic extracts of *Sorghum halepense* against *Macrophomina phaseolina.* In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

37. Banaras S, **Javaid A** (2015). Management of *Macrophomina phaseolina* by extracts of *Launea nudicaulis.* In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

38. Sana N, **Javaid A**, Shoaib A (2015). Screening of allelopathic trees for their antifungal potential against *Sclerotium rolfsii.* In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

39. Ali A, **Javaid A** (2015). Identification of antifungal compounds in root extract of *Chenopodium album* against *Sclerotium rolfsii*. In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

40. Kanwal A, **Javaid A**, Mehmood R, Akhtar N (2015). Correlation between soil nutrients and soil-borne mycoflora in wheat-rice cropping system of Punjab, Pakistan. In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

41. Qudsia H, **Javaid A**, Mehmood R, Akhtar N (2015). Correlation between soil chemical characteristics and soil-borne mycoflora in cucumber tunnels. In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.

42. Kanwal A, **Javaid A**, Akhtar N, Mehmood R (2016). Relationship between soil NPK and soil-borne mycoflora in wheat-rice cropping system in Punjab. In: International

Conference on Significance of Potash in Pakistani Agriculture. November 24-25, 2016, University of the Punjab Lahore, Pakistan. (Got 2nd Prize).

43. Javed S, **Javaid A**, Quresh MZ (2018). Identification of possible antifungal constituents in leaves of *Kochia indica* for control *of Macrophomina phaseolina.* In: First National Conference on Medicinal Plants Research, August 29 to 31, 2018, Karakorum International University, Gilgit, Pakistan.

44.

Attended Only

1. Pakistan Organic Farmers Convention and Sadiq Qureshi Day. March 20, 1996 at Syed Asad Hussain, Mauza Bhai Kot, Sunder Road Lahore.

2. Second National Seminar on Shisham Dieback. June 29, 2004 at Punjab Forestry Research Institute, Faisalabad, Pakistan.

3. Third National Seminar on Shisham Dieback. May 11, 2006 at Punjab Forestry Research Institute, Faisalabad, Pakistan.

4. Seminar on "Evaluation of F_1 doubled haploid lined and QTL analysis for salinity Tolerance in Indica Rice. By Dr Muhammad Arshad Javed, held at Institute of Mycology and Plant Pathology, Punjab University Lahore.

5. One day Seminar on Research Proposal Writing. March 8, 2007, Institute of Biochemistry and Biotechnology, Punjab University Lahore.

6. 2nd International Conference on Assessing Quality in Higher Education, December 1-3, 2008, University of the Punjab Lahore.

7. Seminar on "Quality Assurance and Accreditation", By Dr Nasir (NAEAC, Islamabd), June 15, 2009, held at Institute of Mycology & Plant Pathology, Punjab University Lahore.

8. Seminar on Infrastructure of Parks & Horticulture Authority. By Director General PHA, Lahore, November 5, 2009, held at Institute of Mycology & Plant Pathology, Punjab University Lahore.

9. Seminar on "Hepatitis C: The Virus, Diagnosis, Clinical Features" by Dr Mudassir S. Sheikh, January 9, 2010. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore.

10. Seminar on "Use of Remote Sensing in Plant Pathology" by Kamran Akmal. Institute of Mycology & Plant Pathology, University of the Punjab Lahore, January 22, 2010.

11. Seminar on "Genetics of rice under normal and water stress conditions" by Muhammad Ashfaq. Institute of Agricultural Sciences, University of the Punjab Lahore, July 22, 2011.

12. National UIP Seminar on Developing Local Food Additives/Preservatives. November 22, 2012, University of the Punjab Lahore.

13. International Seminar on "Consequences of Indus Water Treaty on Pakistani Agriculture", by Dr. Muhammad Tahir Rashid, April 9, 2018, University of the Punjab Lahore.

14. Seminar on Significance of Bioinformatics in Agricultural and Biological Sciences by Dr. Shaukat Iqbal, September 10, 2018, Institute of Agricultural Sciences, University of the Punjab Lahore.

15. Wabinar on Preparing a Successful Manuscript for Submission to a Refereed Journal. By Dr. Stephen Wegulo, Chief Editor Crop Protection, September 8, 2021. Organized by Pakistan Phytopathological Society and Department of Plant Pathology, Bahauddin Zakariya University, Multan, Pakistan.

16. Wabinar on One Health approaches to Managing Crop Diseases in Rural Villages. By Prof. Dr. David Guest, Sydney Institute of Agriculture, Sydney, Australia. September 16, 2021. Organized by Pakistan Phytopathological Society and Department of Plant Pathology, Bahauddin Zakariya University, Multan, Pakistan.

17.

Organized

1. 7th National Conference of Plant Scientists, November 14-16, 2000, Department of Botany, University of the Punjab Lahore.

2. HEC Symposium on Awareness of Parthenium Weed, 6th –7th August 2004. Department of Mycology and Plant Pathology, University of the Punjab Lahore, Pakistan.

3. International Symposium on Biofertilizers and Biocontrol, 25-27 July 2005, Department of Mycology & Plant Pathology, Punjab University Lahore.

4. Third International Conference on Plant Pathology: Future Food Security. November 19-21, 2007. Department of Mycology & Plant Pathology, Punjab University Lahore, Pakistan.

5. 8th National Weed Science Conference, June 25-27, 2007, Government College University Lahore.

6. 22nd Asian Pasific Weed Science Society (APWSS) Conference, March 8-12, 2010, GC University Lahore, Pakistan.

7. International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan.

8. 5th International and 12th National Conference of the Weed Science Society of Pakistan, June 12-14, 2015, at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa, Pakistan.

9. 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, 2015, University of the Punjab, Lahore, Pakistan.

10. 16th National Weed Science Congress of Weed Science Society of Pakistan, July 8-10, 2021, University of Agriculture, Peshawar.

WORKSHOPS
(Participated/Organized)

1. Training Course for Teachers of O Level Biology, conducted by Cambridge University International Examinations. October 1998, at Aitchison College Lahore. (Participated)

2. Training Course for Teachers of O Level Biology, conducted by Cambridge University International Examinations. 26 & 27 October 2000, at National Grammar School, Lahore. (Participated)

3. Classroom Management Course. May 1, 2003. Aitchison College Lahore. (Participated)

4. Identification and Conservation of Micromycetes. August 23–28, 2004, Department of Mycology & Plant Pathology, University of the Punjab Lahore, Pakistan. (Organized)

5. Seventh HRDC Faculty Orientation Program. October 3-14, 2005. Institute of Administrative Sciences, University of the Punjab Lahore, Pakistan. (Participated)

6. Workshop on Staff Assessment Manual, December 18, 2006, Institute of Chemical Engineering and Technology, University of the Punjab Lahore. (Participated)

7. Workshop on Biochemical Engineering and Fermenter Applications. August 19, 2006, Department of Biochemistry, University of the Punjab Lahore, Pakistan. (Participated)

8. Workshop on Identification and Conservation of Micromycetes, August 20-25, 2007, Department of Mycology & Plant Pathology, Punjab University Lahore. (Organized).

9. Technology Foresight Workshop on "Viable Future Agriculture Technologies for Sustainable Agricultural Development in Pakistan". Organized by "Pakistan Technology Board, Ministry of Science and Technology" at Punjab Agricultural Research Board Lahore on June 23-24, 2010. (Participated).

10. Workshop on Research Management. November 12, 2010. Institute of Quality & Technology Management, University of the Punjab Lahore. (Participated).

11. One-day Workshop on PCR Technology, Organized by Office of Research Innovation & Commercialization (ORIC). Held on February 2, 2013 School of Physical Sciences, University of the Punjab Lahore. (Participated).

12. One-day Workshop on Quantitative Data Analysis using SPSS Organized by Office of Research Innovation & Commercialization (ORIC). Held on February 9, 2013. School of Physical Sciences, University of the Punjab Lahore. (Participated).

13. National Workshop on Recombinant DNA Technology. Held on April 22-29, 2013 at School of Biological Sciences, University of the Punjab Lahore. (Participated).

14. Two-day Workshop on Faculty Professional Training for the Core Medules: Teaching as a Profession & Communication Skill. Held on June 19-20, 2013 at Institute of Agricultural Sciences (IAGS), University of the Punjab Lahore. Organized by IAGS and Learning Innovation Division of HEC. (Participated).

15. One-week Workshop on DNA Biotechnology. Held on May 1-7, 2013 at School of Biological Sciences, University of the Punjab, Lahore. (Participated).

16. Indiginous on-Campus Training Program for Management Team, December 1-5, 2014, University of the Punjab Lahore.

17. One Day Workshop on Western Blotting. Held on May 5, 2015 at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. (Participated).

18. One Day Workshop on Writing Research Grant Proposals to National Agencies. Held on December 17, 2015 at Institute of Agricultural Sciences, University of the Punjab, Lahore. (Participated).

19. 17th National Weed Science Conference (Weed Science Society of Pakistan). October 27-28, 2022, Punjab University Lahore, Pakistan. (Organized).