

Dr. Uzma Bashir (Ph.D. Mycology & Plant pathology)

Associate Professor

Institute of Agricultural Sciences

University of the Punjab, Lahore

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ACADEMIC QUALIFICATIONS

Ph.D. (2008) in Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan

Thesis entitled: “Allelopathic Potential of Sunflower and its Residual Activity on Proceeding Crops”

JOB EXPERIENCE

1. **Associate Professor :** Institute of Agricultural Sciences, University of the Punjab, Lahore.
From 06.11.2019 to till now

2. **Assistant Professor:** Institute of Agricultural Sciences, University of the Punjab, Lahore. From
14.05.2010 to 06.11.2019.

- Teaching major courses of Agriculture (Plant Pathology and Disease Management) to the undergraduate and postgraduate students.
- Supervising the research of MSc (Hons) and BSc (Hons) students in the field of Plant pathology Agriculture.
- **Incharge of First Fungal Culture Bank of Pakistan (FCBP)**, a mega research project of Institute of Agricultural Sciences and unique facility in Pakistan for providing fungal and bacterial cultures for research purpose all over the Pakistan to researchers and students.
- Giving training to scientists and research students to obtain hands-on training in culturing and identification of crop disease due to fungal pathogens.

3. **Lecturer:** First Fungal Culture Bank of Pakistan, Institute of Agricultural Sciences, University of the Punjab, Lahore. From 24.09.2009 to 13.05.2010.

Taught Mycology, Plant pathology, fungal and bacterial disease identification and disease management courses to undergraduate and postgraduate students. Supervised the research students in Isolation, identification and preservation of fungi and crop disease management.

4. **Research Scholar:** First Fungal Culture Bank of Pakistan, Institute of Agricultural Sciences, University of the Punjab, Lahore. From 14.05.2008 to 23.09.2009

Isolation, purification and characterization of fungi from different environments and diseased plant parts. The data recording of fungal strains and maintaining the conservatory of FCBP. Training of students in the field of mycology and plant pathology

DUTIES ASSIGNED BY THE INSTITUTE

- **In-charge:** First Fungal Culture Bank of Pakistan, Institute of Agricultural Sciences, University of the Punjab, Lahore
- **Member: DDPC,** Institute of Agricultural Sciences, University of the Punjab, Lahore

- **Member, Editorial board of Myconews:** Official Newsletter (Quarterly published), First Fungal Culture Bank of Pakistan, Institute of Mycology and Plant Pathology. University of the Punjab, Lahore. From 14.05.2008 - 13.05.2010.
- **Member, Editorial board of Agricultural news:** Official Newsletter (Quarterly published), Institute of Agricultural Sciences, University of the Punjab, Lahore.

PRESENT FIELD OF RESEARCH:

- Fungal Plant Pathology & disease management
- Allelopathy & Biocontrol
- Fungal Isolation and Identification
- Preservation and Maintenance of Fungal Cultures.
- Molecular characterization of fungi

RESEARCH SUMMARY

1. Research Paper Publications: **47**
2. Monographs/Books: **02**
3. Country visited: **Malaysia, Czech Republic, Germany, France, Switzerland, Austria**
4. Seminars/Workshops/Conferences Organized: **03**
5. Seminars/Workshops/Conferences attended: **30**
6. Contribution to First Fungal Culture Bank of Pakistan: **Isolated, identified and deposited fungal cultures**
7. Research Projects: **09**
8. Research students supervised: **M.Sc. (Hons): 09 (completed); B.Sc. (Hons): 08(completed).**

❖ HEC Approved Ph.D. Supervisor since 2013

RESEARCH PUBLICATIONS:

1. Muhammad Ashfaq, Mubarak A. Anjum, M. Saleem. Haider, Muhammad. Ali, **Uzma Bashir**, U. Mubashar and Muhammad Sajjad. **2019**. Brown leaf spot of ladies palm caused by *Cladosporium cladosporioides* in Pakistan. Journal of animal and plant sciences. (Accepted) **(IF: 0.529)**
2. Muhammad Atif, **Uzma Bashir**, Muhammad Tariq Manzoor, Nida Rafaqat, Muhammad Abdullah, **2019**. Diversity, Mutation and Recombination analysis of chilli infecting Geminiviruses from Indian subcontinent. Microbial Pathogenesis. (Under review). **(IF: 2.332)**
3. **Uzma Bashir**, Ayesha Khan and Arshad Javaid, **2018**. Herbicidal Activity of *Aspergillus niger* Metabolites Against Parthenium Weed. Planta Daninha.vol.36. e018167123. **(IF: 0.544)**
4. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa. **2017**. Genotypic variation in germination and growth of wheat to sunflower phytotoxicity. Bangladesh Journal of Botany. 46(4). **(IF: 0.214)**
5. Hafiz Shahzad Maqsood, **Uzma Bashir**, Jakub Wiener, Michał Puchalski, Sławomir Sztajnowski, Jiri Militky, 2017. Ozone Treatment of Jute Fibers. DOI 10.1007/s10570-016-1164-y- Cellulose Journal. 24(3):1543-1553. **(IF: 3.50)**
6. Hafiz Shahzad Maqsood, **Uzma Bashir**, Muhammad Zubair, Jakub Wiener and Jiri Militky, 2017. Cationization of cellulose fibers for composites. The Journal of the Textile institute. [http://dx.doi.org/10.1080/00405000.2016.1245579.108\(8\):1302-1307](http://dx.doi.org/10.1080/00405000.2016.1245579.108(8):1302-1307). **(IF: 1.128)**

7. **Uzma Bashir**, Sidra Javed, Waheed Anwar, Kiran Nawaz and Rahila Hafeez, **2017**. First Report of *Penicillium polonicum* Causing Blue Mold on Stored Garlic (*Allium sativum* L.) in Pakistan. Plant Disease. 101(6)1037. (IF 3.192)
8. Arshad Javaid, Tahira Mubeen, **Uzma Bashir** and Amna Shoaib. **2017**. Management of parthenium weed using metabolites of *Alternaria japonica*. Planta Daninha. vol.35, e017161195. ISSN 0100-8358. <http://dx.doi.org/10.1590/s0100-83582017350100016>. (IF: 0.544)
9. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa, **2017**. Influence of sunflower residue incorporation on growth and yield of wheat and subsequent rice crop. *Philippine Agricultural Scientist* 100(1): 96-102. (IF 0.248)
10. **Uzma Bashir** and Arshad Javaid. **2016**. Effect of Sunflower Residue Incorporation, With & Without NPK Fertilization, on Growth and Yield of Wheat and Subsequent Rice Crop. Proceedings of International conference on Significance of potash use in Pakistani agriculture. Institute of Agricultural Sciences, University of the Punjab, Lahore- **Pakistan**
11. Khalid Mehmood, Zia Ullah Khokhar, **Uzma Bashir**, Umar Farooq and Mukhtar Hussain Shah. **2016**. Estimation of Caffeine in Different Caffeinated Drinks of Gujranwala District (A Case Study). *Science International* .28(5) 4529-4532.
12. **Uzma Bashir**, Amna Ali and Rahila Hafeez **2016**. Phytochemical Screening and Estimation of Antimicrobial Activity of Citrus Peel. *Pakistan Journal of Phytopathology*. 28 (02) 185-191.
13. Khalid Mehmood, Umer Farooq, Zara Abid, **Uzma Bashir** and Mukhtar Hussain Shah **2016**. Comparative Analysis in Different Brands of Ciprofloxacin by HPLC and UV/VIS Spectroscopy. *Science International* 28(5), 4727-4729.
14. Naureen Akhtar, Amna Ali, **Uzma Bashir** and Muhammad Saleem Haider.**2016**. Bactericidal action of crude leaf extracts of common weeds. *Pakistan Journal of weed Sciences Research*. 22(1): 157-167
15. Amna Ali, **Uzma Bashir**, Naureen Akhtar and Muhammad Saleem Haider. **2016**. Characterization of Growth Promoting Rhizobacteria of Leguminous Plants. *Pakistan Journal of Phytopathology*. 28(01): 57-60.
16. **Uzma Bashir** and Rahila Hafeez. **2016**. Deterioration of Painted Wall Surface by Fungal Saprobies: Isolation and Identification. *Pakistan Journal of Phytopathology*. 28(01): 09-13.
17. Rahila Hafeez, Naureen Akhtar, Amna Shoaib, **Uzma Bashir**, Muhammad Saleem Haider and Zoya Arshad Awan. **2015**. First Report of *Geotrichum candidum* from Pakistan Causing Postharvest Rot in Loquat (*Eriobotrya japonica*). *Journal of Animal and Plant Sciences*.25 (6).1737-1740. (IF 0.448)
18. Amna Ali, Naureen Akhtar, **Uzma Bashir**, Rahila Hafeez, & Muhammad Saleem Haider. **2015**. Morphological and Biochemical Characterization of Bacteria isolated from Milk Products. *Biologia*.61 (2):271-277.
19. Mukhtar Hussain Shah, Salik Nawaz Khan, Rukhana Bajwa and **Uzma Bashir**. **2015**. Rice Alleopathy: Growth of *Trianthema Monogyna* In The Presence Of Decomposing Rice Straw. *Science International (Lahore)*.27(3): 2743-2745.
20. Mukhtar Hussain Shah, Salik Nawaz Khan, **Uzma Bashir**, Rukhsana Bajwa. **2015**. Allopathy Of Rice: Impact Of Rice Mulching On Growth Traits Of *Rumax dentatus*. *Sci.Int. (Lahore)*, 27(3), 2735-2741.

21. **Uzma Bashir**, Naureen Akhtar, Sobia Mushtaq **2014**. First report of *Alternaria metachromatica* from Pakistan causing leaf spot of tomato. Pakistan Journal of Agricultural Sciences.51(2): 305-308.
(IF 1.04)
22. Rahila Hafeez, **Uzma Bashir**, Amna Ali and Muhammad Saleem Haider **2014**. Determination of Microbial Load Associated with Spoilage of Tomato (*Solanum lycopersicum*) under Storage, Journal of Pure and Applied Microbiology.8(6): 4415-4420.
(IF:0.073)
23. Naureen Akhtar, **Uzma Bashir**, Sobia Mushtaq **2014**. First Report of Leaf Spot of Rice Caused by *Alternaria arborescens* in Pakistan. Plant Disease. 98(6):846.
(IF 3.02)
24. **Uzma Bashir 2014**. Evaluation of fungitoxic effects of *Ageratum conyzoides* Linn. Published in Proceedings International Science Conference, Prague, Czech Republic, July 10-11,2014:543-547
25. **Uzma Bashir 2014**. Control of Phytopathogenic Bacteria by the use of plant extracts of *Solanum nigrum* L. Published in Proceedings of International conference of beneficial microbes, Penang, Malaysia (ICOBM), May 27-29, 2014:164-168.
26. **Uzma Bashir**, Amna Ali, Naureen Akhtar and Muhammad Saleem Haider. **2014**. Isolation and characterization of bacterial species associated with weed plants. Pakistan Journal of Weed Sciences Research. 20(4): 439-447.
27. Arshad Javaid, Amna Shoaib, **Uzma Bashir** and Roma Akhtar. **2014**. Screening of various species of *Aspergillus* for herbicidal activity against Parthenium weed. Pakistan Journal of Weed Sciences Research. 20(2):137-144.
28. Amna Ali, **Uzma Bashir** and Muhammad Saleem Haider. **2014**. Bio-control effect of *Eruca sativa* mill. oil against the hazardous food borne pathogens. Pakistan Journal of Phytopathology. 26(02): 181-185.
29. Arjumand Iqbal Durrani, Saba Hun Nasar, **Uzma Bashir**, Abdullah Khan Durrani and Aisha Munawar **2014**. Preparation, Characterization and Application of Vitamin-E fortified Nanocoatings on Fresh-cut Apples. Journal of Faculty of Engineering & Technology (JFET). 21(2):46-59.
30. **Uzma Bashir**, Amna Ali, Naureen Akhtar, Muhammad Saleem Haider **2014**. Phenotypic identification and biochemical studies of bacteria associated with rhizospheric soil of ginger (*Zingiber officinale* L.)Pakistan Journal of Phytopathology. 26 (02):175-179.
31. Muhammad Ashfaq, Amna Ali, Anum Nawaz, **Uzma Bashir**, Muhammad Saleem Haider & Muhammad Ali. **2014**. Isolation and Characterization of *Pseudomonas* species associated with Tomato wilt. Biologia (Pakistan). 60(2):229-234.
32. Naureen Akhtar, Amna Ali, **Uzma Bashir**, Muhammad Saleem Haider **2013**. Morphological and biochemical studies on bacterial microfauna from Lahore soils. Pakistan Journal of Phytopathology.25 (02):137-140.
33. Mukhtar Hussain Shah, Salik Nawaz Khan, **Uzma Bashir** and Rukhsana Bajwa **2013**. Allelopathy of rice: Effect of rice mulching on the growth of *Avena sativa*. Journal of Science Technology and Development.32(3):197-203.
34. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa **2012**. Allelopathic effects of sunflower residue on growth of rice and subsequent wheat crop. Chilean Journal of Agricultural Research. 72(3):326-331.

- (IF 0.553)
35. **Uzma Bashir**, Sidra Javed and Muhammad Shafique **2012**. Investigation of genetic variability among different isolates of *Fusarium solani*. African Journal of Microbiology Research. 6(24):5168-5172.
- (IF: 0.533)
36. **Uzma Bashir** and Justina Jane Tahira **2012**. Evaluation of *Eucalyptus camaldulensis* against *Fusarium solani*. International Journal of Agriculture and Biology. 14(4): 675–677. (IF 0.808)
37. Sidra Javed and **Uzma Bashir 2012**. Antifungal activity of different extracts of *Ageratum conyzoides* for the management of *Fusarium solani*. African Journal of Biotechnology. 11(49):11022-11029. (IF:0.573)
38. Shabnam Javed, Naureen Akhtar and **Uzma Bashir 2012**. Comparative antifungal activities of processed and market *Aloe vera* gel. Mycopath. 10(2):91-95
39. **Uzma Bashir** and Sobia Mushtaq **2012**. Preliminary studies on phylloplane fungi associated with *Syzygium cumini* and *Ocimum sanctum* Mycopath. 10(2):67-70
40. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa **2011**. Comparative tolerance of different rice varieties to sunflower phytotoxicity. Journal of Medicinal Plant Research. 5 (22): 6243-6248. (IF:0.590)
41. Amna Ali, Muhammad Saleem Haider, Ibatsam Khokhar, **Uzma Bashir**, Sobia Mushtaq and Irum Mukhtar. **2011**. Antibacterial activity of culture extracts of *Penicillium* species against soil-borne bacteria. Mycopath. 9(1): 17-20
42. **Uzma Bashir**, Romana Shahzadi and Sidra Javed **2011**. Mycoflora associated with cucurbits. Mycopath 9(2): 61-65
43. Rashid Mahmood and **Uzma Bashir 2011**. Relationship between soil physicochemical characteristics and soil-borne diseases. Mycopath. 9(2): 87-93
44. Arshad Javaid, Ghazala Shafique and **Uzma Bashir 2010**. Mycoflora associated with stored seeds of different varieties of shisham (*Dalbergia sissoo* ROXB.). Pakistan Journal of Phytopathology. 22(1): 09-12
45. Mukhtar Hussain Shah, and **Uzma Bashir, 2008**. Air borne mycoflora of Rohtas Fort. Mycopath. 6(1 & 2):71-73
46. Rukhsana Bajwa, **Uzma Bashir** and Arshad Javaid, **2001**. Suitability of Paper mill waste water affected soil for maize and mungbean cultivation. Pakistan Journal of Botany. 33: 559-567 (IF:0.947)
47. Arshad Javaid, Rukhsana Bajwa, Iffat Siddique, **Uzma Bashir 2000**. EM and VAM technology in Pakistan. VIII: Nodulation, Yield and VAM Colonization in *Vigna mungo* in soils with different histories of EM applications. International Journal of Biology and Agriculture. 2(1&2):1-5

BOOK PUBLISHED:

1. **Sunflower Allelopathy, 2011**. ISBN 978-3-639-33727-3 VDM publisher Germany.
2. **Management and characterization of *Fusarium solani* 2012**. ISBN 978-3-8484-4464-9, LAP LAMBERT Academic Publisher, Germany

THESIS SUPERVISION

M.Sc. (Hons)(08)

1. Justina Jane Tahira 2009-2010. Biological Control of *Fusarium solani* by Different Plant Extracts and Its Molecular Characterization.
2. Sidra Javed 2010-2011. Assessment of different plant parts of *A.conyzoidea* for their Allelopathic potential against *F. solani*.
3. Sobia Mushtaq 2011-2012. Comparative Morphology and Genetics of Pathogenic and Non-Pathogenic Strains of *Alternaria* and *Aspergillus* Spp.
4. Aysha Khan 2013-2015. Evaluation of metabolites of *Aspergillus* spp. As natural herbicides against *Parthenium*.
5. Tahira Mubeen 2013-2015. Screening of *Alternaria* spp. for their herbicidal activity against *Parthenium* weed.
6. Aysha Yousaf 2013-2015. Resistance genes diversity in local cultivars of roses in Pakistan.
7. Tehmina Tufail 2013-2015. Induction of resistance against collar rot disease of chilli by farm yard manure under chromium stress
8. Ghulam Meeran. 2014-2016. Evaluation of fungicidal activity of *Alstonia scholaris* for the management of *Sclerotium rolfsii*
9. Muhammad Atif. 2016-2018. Recombination and distribution analysis of chilli infecting gemini viruses from Indian subcontinent.
10. Karamat Ali Zohaib 2017-2019. Evaluation of fungicidal activity of *Cirsium arvense* for the management *Rhizoctonia solani*.

B.Sc. (Hons) (04)

1. Romana Shahzadi, 2010. Isolation, Purification, Identification and Preservation of fungi Associated With Soil and Post-Harvest Diseases of Cucurbits.
2. Rafia Asghar, 2010. Isolation, Purification, Identification and Preservation of fungal flora from Sugar & Textile Mill Effluents.
3. Sarah Fazal, 2013. Antibacterial activity of *solanum nigrum* and its phytochemical analysis
4. Mubashra 2014. Analysis of water and soil of hot spring of Tatta pani, Azad Kashmir for microbial fauna.

RESEARCH PROJECTS

1. 2010-2011. Fungicidal Activity of Some Allelopathic Medicinal Plants against Root Rot causing Fungi. Funded by academic research, University of the Punjab, Lahore.
2. 2011-2012. Morphological and Molecular characterization of economically important fungal species. Funded by academic research, University of the Punjab, Lahore, Pakistan.
3. 2012-2013. Antifungal activity of Some Tree plants Against *Fusarium solani* and molecular characterization of Pathogen. Funded by academic research, University of the Punjab, Lahore
4. 2013-2014. Phenotypic, Biochemical and Physiological characterization of bacterial strains. Funded by academic research, University of the Punjab, Lahore

5. 2014-2015. Effect of Secondary Metabolites and related enzymes in Sclerotium wilt of Chilli. Funded by academic research, University of the Punjab, Lahore
6. 2015-2016. Herbicidal activity of fungal metabolites against parthenium weed. Funded by academic research, University of the Punjab, Lahore
7. 2016-2017. In vitro Use of Antifungal potential of *Alstonia scholaris* for the management of *Sclerotium rolfsii*. Funded by academic research, University of the Punjab, Lahore.

CONFERENCES/SEMINARS/WORKSHOPS

ORGANIZED

1. 7th National Conference of Plant Scientists. Department of mycology and Plant Pathology. University of the Punjab. Lahore. Pakistan. November 14-16, **2000**.
2. Third International Conference on "Plant Pathology", 19-21 November, **2007**, Department of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan.
3. 5th International/10th International of Pakistan Phytopathological Society, November 23rd-25th, **2015**. Institute of Agricultural Sciences, University of the Punjab Lahore. Pakistan

WORKSHOPS ATTENDED:

1. Workshop on Identification and Conservation of Micromycetes. Department of mycology and Plant pathology. University of the Punjab. Lahore. Pakistan. (20-25 August, **2007**).
2. First National Training Workshop on Electron Microscopy at NIBGE, Faisal Abad. (14-24 December, **2009**).
3. National UIP Seminar on Developing Local Food Additives/Preservatives, University of the Punjab. Lahore. November 22, **2012**.
4. Workshop on Polymerase Chain Reaction (PCR) Technology. Office of Research Innovation & Commercialization (ORIC), School of Physical Sciences, University of the Punjab, Lahore, Pakistan. February 2nd **2013**.
5. Workshop on Quantitative Data Analysis using SPSS. Office of Research Innovation & Commercialization (ORIC), University of the Punjab, Lahore, Pakistan. February 9th **2013**.
6. Workshop on western blotting, 5th, May **2015** in tumor metabolism research lab at MMG, PU, and Lahore.
7. Three Days Training of Trainers(TOT) on Humanity, Altruism, and Citizenship in Pakistan. 23-25 August, **2017**. Center for undergraduate studies, Punjab University, Lahore, Pakistan.

PRESENTATIONS

1. **Uzma Bashir**, Rukhsnan Bajwa and Mukhtar Hussain Shah **2007**. Sunflower Allelopathy: Effect of Sunflower Mulching on the Growth of Rice. 3rd **International** conf. on Plant Pathology. University of the Punjab. Lahore. Pakistan 19th -21st November .2007 (**Poster got 2nd Prize**).
2. Mukhtar Hussain Shah, Rukhsnan Bajwa and **Uzma Bashir 2007**. Rice allelopathy: Effect of rice mulching on the growth of *Rumex dentatus* L. 3rd **International** conf. on Plant Pathology. University of the Punjab. Lahore, Pakistan 19th -21st November, 2007.

3. Justina Jane Tahira and **Uzma Bashir 2011**. Biological control of *Fusarium solani* by aqueous and organic solvent extracts of allelopathic plants leaves. 2nd **International** conference of plant scientists & 11th national meeting of plant scientists. Department of Botany GC University Lahore Pakistan 22nd – 24th Feb. 2011.
4. Mukhtar Hussain Shah, Rukhsana Bajwa, **Uzma Bashir** and, Salik Nawaz Khan **2011**. Allelopathy of Rice: Effect of rice mulching on the growth of *Avena sativa*. 2nd International conference of plant scientists MBB 5. 107.Pakistan
5. **Uzma Bashir** and Justina Jane Tahira **2011**. Exploitation of antifungal potential of *Eucalyptus camaldulensis* for the management of *Fusarium solani*. 8th **National** conference on Pakistan Phytopathological Society, Department of Plant Pathology, University of Agriculture, Faisalabad. Pakistan (28-29 November 2011)
6. Sidra Javed and **Uzma Bashir. 2011**. Evaluation of Antifungal activity of methanolic extract of *Ageratum conyzoides*. 8th **National** conference on Pakistan Phytopathological Society, Department of plant pathology, University of Agriculture, Faisalabad. Pakistan (28-29 November, 2011)
7. **Uzma Bashir**, Amna Ali, and Muhammad Saleem Haider **2013**. Bio-control Effect of *Eruca sativa* Mill. Oil against the Hazardous Food Borne Pathogen. Bio-physicochemical basis for Technopreneurship. A joint venture of MMG and IBA at University of the Punjab. Lahore. Pakistan. April 2-3, 2013.
8. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa **2013**. Effect of sunflower residue on growth and yield of wheat and subsequent rice crop. 3rd **International** conference of PSA "sustainable crop productivity: threats and options" by Pakistan Society of Agronomy at Ayub Agricultural Research Institute, Faisalabad. April 11-12, 2013. Pakistan. (Poster got 3rd Prize)
9. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa **2013**. Effect of sunflower residue incorporation on growth of pea and subsequent maize crop. 1st **national** conference on "Prospects and Opportunities for Agricultural Development in Pakistan" at Khanspur, Ayubia. June 19-21, 2013. Pakistan
10. **Uzma Bashir**, Arshad Javaid and Rukhsana Bajwa **2013**. Growth response of maize and subsequent pea crop to residue incorporation of sunflower. **International** Conference on Biotechnology: Prospects & Challenges in Agriculture, Industry, Health and Environment at NIBGE, Faisalabad, Pakistan April 22-26, 2013.
11. **Uzma Bashir 2014**. **International** conference of Pakistan Phytopathological society; "climate change and plant disease: challenges and opportunities" University of Karachi, Karachi, Pakistan. January 23-25, 2014.
12. **Uzma Bashir 2014**. First **international** conference on applied chemical, biological and aquatic sciences. GC University, Faisalabad, Pakistan. Participated with Poster Presentation. February 18-20, 2014.
13. **Uzma Bashir 2014 International** conference on stress biology and biotechnology: challenges and management, Institute of agricultural sciences, university of the Punjab, Lahore, Pakistan. May 21-23,2014

14. **Uzma Bashir 2014.**Control of Phytopathogenic Bacteria by the use of plant extracts of *Solanum nigrum* L. 164-168. Published in Proceedings of **International** conference of beneficial microbes, **Penang, Malaysia** (ICOBM), May 27-29, 2014
15. **Uzma Bashir 2014.** Evaluation of fungitoxic effects of *Ageratum conyzoides* Linn. 543-547. Published in Proceedings **International** Science Conference, **Prague, Czech Republic**, July 10-11,2014
16. **Uzma Bashir** and Naureen Akhtar. **2015.** Morphological and Genotypic Characterization of Different *Aspergillus* species. 10th Biennial **International** Conference of Pakistan Society for Microbiology (PSM10). March 25-28. Department of molecular genetics and microbiology, University of the Punjab. Lahore
17. **Uzma Bashir. 2015.** Fungicidal potential of aqueous and organic solvent extracts of allelopathic plants leaves against phyto-pathogenic fungi *Fusarium solani*. 18th **International** Plant Protection Congress, IPPC. **Berlin. Germany** on 24-27th August 2015
18. Amna Shoab, Tehmina Tufail, **Uzma Bashir. 2015** Induction of Resistance against Collar Rot Disease of Chilli by Farm Yard Manure under Chromium Stress. 5th **International/10th** National Conference of Pakistan Phytopathological Society (5th ICPPS 2015) November 23-25. **Pakistan**
19. **Uzma Bashir**, Ayesha Khan and Arshad Javaid. **2015.** Evaluation of culture filtrates of *Aspergillus phoenicis* for the control of parthenium weed. 5th **International/10th** National Conference of Pakistan Phytopathological Society (5th ICPPS 2015) November 23-25. **Pakistan.**
20. **Uzma Bashir** and Arshad Javaid. **2016.** Effect of Sunflower Residue Incorporation, With & Without NPK Fertilization, on Growth and Yield of Wheat and Subsequent Rice Crop. International conference on Significance of potash use in Pakistani agriculture. November 24 –25, 2016. Institute of Agricultural Sciences, University of the Punjab, Lahore- **Pakistan.**
21. Evaluation of Herbicidal Activity of *Aspergillus niger* Metabolites for the Management of Parthenium Weed. First international conference on “Emerging Trends in Earth and Environmental Sciences” Lahore, **Pakistan.** 9-10th March, **2017**
22. Evaluation of phytochemicals of *Alstonia scholaris* For the Management of *Sclerotium rolfsii* .International conference on conventional and modern approaches in plant sciences (CMAPS-2017), Lahore, **Pakistan.** November 28-29, **2017.**
23. Metabolites of *Aspergillus Phoenicis* as Natural Herbicides for Management of Parthenium Weed. 6th International Conference of Pakistan Phytopathological Society “Plant Health for Sustainable Agriculture, Multan, **Pakistan.** November 20-22, **2017**
24. Phytochemical Analysis Of *Alstonia Scholaris* For The Management Of *Sclerotium Rolfsii*. 3rd International Conference on “Biosciences” (ICBS-38-2018): GC University, Lahore, **Pakistan.** May 09th -11th, **2018.**
25. Evaluation of herbicidal activity of *Aspergillus phoenicis* metabolites for the management of parthenium weed. International Conference on Microbiology and Molecular Genetics (MMG2018): February 07 – 09, **2018** :Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, **Pakistan.**

26. Evaluation of *Aspergillus niger* metabolites for the management of parthenium weed. The International Conference on Beneficial Microbes (ICOBM 2018). The Waterfront Hotel, **Kuching, Malaysia**. 30th July -1st August **2018**.

27. **AGRIBUSINESS 2017**

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- i. American Society for Microbiology (AMS)
- ii. Phytopathological Society of Pakistan (PPS)
- iii. Myco-phytopathological Society of Pakistan (MYCOPS)

OTHER RELEVANT CO-CURRICULAR ACTIVITIES:

1. Member of admission committee in service PhD program
2. Member of departmental sports committee
3. Convener of library stock checking committee
4. Conducting research to M.S. (Hons) and B.S. (Hons) students.