

Books/Monographs Published:

1. Shazia Shafique, Zunera Zaheer and **Sobiya Shafique**, 2011. Management and genetic characterization of *Fusarium solani*: Efficacy of *Parthenium hysterophorus* as natural fungicide. VDM Verlag Dr Muller Publishing house Ltd Germany ISBN # 978-3-639-36334-0.
2. **Sobiya Shafique**, Tahir Mehmood and Shazia Shafique, 2011. Management of potent pathogenic *Alternaria alternata* strains of tomato: Fungitoxic potential of *Tagetes erectus*. VDM Verlag Dr Muller Publishing house Ltd Germany ISBN # 978-3-639-35345-7.
3. **Sobiya Shafique** and Shazia Shafique, 2011. Genetic modification of amylase producing fungi: Enhancement of enzyme activity through UV and chemical mutagenesis. VDM Verlag Dr Muller Publishing house Ltd Germany ISBN # 978-3-639-32544-7.
4. Shazia Shafique and **Sobiya Shafique**, 2011. Strain improvement of cellulase yielding fungi: Modification through UV and chemical mutagenesis. VDM Verlag Dr Muller Publishing house Ltd. Germany ISBN # 978-3-639-32543-0.

Research Publications: 80 (List attached)

LIST OF PUBLICATIONS **(Impact factor: 38.247)**

Papers published in international journals with impact factor:

1. Zoobia Bashir, **Sobiya Shafique**, Aqeel Ahmed, Shazia Shafique, Nasim A. Yasin, Yaseen Ashraf, Asma Ibrahim, Waheed Akram and Sibgha Noreen, 2016. Tomato Plant Proteins Actively Responding to Fungal Applications and Their Role in Cell Physiology. *Frontiers in Physiology*. 7: 1-10. (impact factor: **4.031**)
2. Naureen Akhter, Ambreen Naseer, **Sobiya Shafique**, Shazia Shafique, Komal Haneef, and Rahila Hafeez, 2016. First Report of *Phyllosticta aristolochiicola* Causing Leaf Spot of *Sonchus oleraceus* in Pakistan. *Plant Disease*. doi.org/10.1094/PDIS-07-15-0832-PDN (impact factor: **3.02**)
3. Naureen Akhter, Ambreen Naseer, **Sobiya Shafique**, Shazia Shafique, and Rahila Hafeez, 2015. First Report of *Alternaria arborescens* Causing Leaf Spot of *Dracaena mariginata* in Pakistan. *Journal of Plant Pathology*. 97 (4): S70. (impact factor: **1.02**)
4. Shazia Shafique, Muhammad Asif and **Sobiya Shafique**, 2015. Management of *Fusarium Oxysporum F. Sp. Capsici* by Leaf Extract of *Eucalyptus citriodora*. *Pakistan Journal of Botany*, 47(3): 1177-1182. (impact factor: **0.822**)
5. Aqeel Ahmed, **Sobiya Shafique** and Shazia Shafique, 2014. Molecular basis of antifungal resistance in tomato varieties. *Pakistan Journal of Agricultural Sciences*. 51 (3): 685-689. (impact factor: **1.049**)

6. Aqeel Ahmed, Shazia Shafique and **Sobiya Shafique**, 2014. Intracellular interactions involved in induced systemic resistance in tomato. *Scientia Horticulturae*.176: 127-133. (impact factor: **1.365**)
7. Shazia Shafique, Aqeel Ahmad, **Sobiya Shafique**, Tehmina Anjum, Waheed Akram, Zoobia Bashir, 2014. Determination of Molecular and Biochemical Changes in Cotton Plants Mediated by Mealybug. *NJAS - Wageningen Journal of Life Sciences*. 70-71: 39-45. (impact factor: **1.143**)
8. Tahir Mehmood, **Sobiya Shafique**, Shazia Shafique and Zunera Zaheer, 2014. Fungitoxic Potential of *Tagetes erectus* for the Management of *Alternaria alternata* Strains of Tomato. *Pakistan Journal of Botany*. 46(3): 1047-1054. (impact factor: **0.822**)
9. Aqeel Ahmed, **Sobiya Shafique**, Shazia Shafique and Waheed Akram, 2014. *Penicillium oxalicum* directed systemic resistance in tomato against *Alternaria alternata*. *Acta Physiologiae Plantarum*. 36(5): 1231-1240. (impact factor: **1.584**)
10. Shazia Shafique, Arshad Javaid and **Sobiya Shafique**, 2013. Management of Littleseed Canarygrass (*Phalaris minor* Retz.) by Extracts and Dry Leaf Biomass of *Parthenium hysterophorus* L.). *Philippine Agricultural Scientist*. 96 (4): 426-431. (impact factor: **0.368**)
11. Zoobia Bashir, Shazia Shafique, Aqeel Ahmad, Tehmina Anjum, **Sobiya Shafique** and Waheed Akram, 2013. Quantification of Cellulose Contents by Transmission Spectra f Plant Tissues. *Cellulose Chemistry and Technology*, 47 (5-6), 509-513. (impact factor: **0.833**)
12. **Sobiya Shafique**, Shazia Shafique and Aqeel Ahmed, 2013. Ecofriendly Response of Citrus Peels to *Alternaria* Leaf Spots of Tomato: Exclusive Role of Peel Phenolics. *International Journal of Agriculture and Biology*. 15: 1236– 1242. (impact factor: **0.902**)
13. Aqeel Ahmad, Shazia Shafique and **Sobiya Shafique**, 2013. Cytological and Physiological basis for tomato varietal resistance against *Alternaria alternata*. *Journal of the Science of Food and Agriculture*. 93: 2315–2322. (impact factor: **1.879**)
14. Zunaira Zaheer, Shazia Shafique, **Sobiya Shafique** and Tahir Mehmood, 2012. Antifungal potential of *Parthenium hysterophorus* L. plant extracts against *Fusarium solani*. *Scientific Research and Essays*. 7(22): 2049-2054. (impact factor: **0.445**)
15. Zunaira Zaheer, Shazia Shafique, **Sobiya Shafique** and Tahir Mehmood, 2012. Evaluation of pathogenic potential and genetic characterization of *Fusarium solani* – a cause of fusarium wilt in potato. *African Journal of Microbiology Research*. 6(8): 1762-1765. (impact factor: **0.533**)
16. Shazia Shafique and **Sobiya Shafique**, 2011. Kinetic study of partially purified cellulase enzyme produced by *Trichoderma viride* FCBP-142 and its hyperactive mutants. *Microbiology* 80(3): 356-365. (impact factor: **0.638**)

17. Khalid Mehmood, Hafiz M. Asif, Rukhsana Bajwa, Shazia Shafique and **Sobiya Shafique**, 2011. Spying the phytotoxic potential of bark extracts of *Accacia nilotica* and *Syzygium cumini* against *Parthenium hysterophorus*. *Pakistan Journal of Botany* 43(6): 3007-3012. (impact factor: **0.947**)
18. Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique**, 2011. *Tagetes erectus* L. – a potential resolution for management of *Parthenium hysterophorus* L. *Pakistan Journal of Botany* 43(2): 885-894. (impact factor: **0.947**)
19. Shazia Shafique, **Sobiya Shafique**, Rukhsana Bajwa, Nosheen Akhtar and Sana Hanif, 2011. Fungitoxic activity of aqueous and organic solvent extracts of *Tagetes erectus* on phytopathogenic fungus-*Ascochyta rabiei*. *Pakistan Journal of Botany* 43(1): 59-64. (impact factor: **0.947**)
20. Arshad Javaid, Shazia Shafique and **Sobiya Shafique**, 2011. Management of *Parthenium hysterophorus* (Asteraceae) by *Withania somnifera* (Solanaceae). *Natural Product Research* 25(4): 407-416. (impact factor: **0.906**)
21. Arshad Javaid, Shazia Shafique, **Sobiya Shafique**. 2010. Herbicidal activity of *Withania somnifera* against *Phalaris minor*. *Natural Product Research* 24(15): 1457-1468. (impact factor: **0.906**)
22. Arshad Javaid, Shazia Shafique, Qudsia Kanwal and **Sobiya Shafique**, 2010. Herbicidal activity of flavonoids of mango leaves against *Parthenium hysterophorus* L. *Natural Product Research* 24 (19, 20): 1865 – 1875. (impact factor: **0.906**)
23. Arshad Javaid, **Sobiya Shafique**, Rukhsana Bajwa, Shazia Shafique, 2010. Parthenium management through aqueous extracts of *Alstonia scholaris*. *Pakistan Journal of Botany*. 42 (5): 3651-3657. (impact factor: **0.947**)
24. Arshad Javaid, **Sobiya Shafique**, Shazia Shafique, 2010. Seasonal pattern of dormancy in seeds of *Parthenium hysterophorus* L. *Pakistan Journal of Botany*. 42 (1): 497-503. (impact factor: **0.947**)
25. **Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2010. Condition Stabilization for *Aspergillus niger* FCBP-198 and its hyperactive mutants to yield high titres of α -amylase. *Microbiology*, 79 (3): 301-306. (impact factor: **0.813**)
26. Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique**, 2010. Molecular characterization of UV and chemical induced mutants of *Trichoderma reesei* FCBP-364. *Natural Product Research* 24 (15): 1438-1448. (impact factor: **0.906**)
27. **Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2010. Alpha-amylase Production by toxigenic fungi. *Natural Product Research* 24 (15): 1449-1456. (impact factor: **0.906**)
28. Arshad Javaid, **Sobiya Shafique** and Shazia Shafique, 2010. Herbicidal effects of extracts and residue incorporation of *Datura metel* against parthenium weed. *Natural Product Research* 24(15): 1426-1437. (impact factor: **0.906**)
29. **Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2010. Mutagenesis and genetic characterization of amylolytic *Aspergillus niger*. *Natural Product Research* 24 (12): 1104-1114. (impact factor: **0.906**)

- 30. Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2009. Strain improvement and genetic characterization of indigenous *Aspergillus flavus* for amylolytic potential. *Natural Product Communications*. 4 (7): 977-980. (impact factor: **0.745**)
- 31. Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2009. Mutation of *Alternaria tenuissima* FCBP-252 for hyper-active α -amylase. *Indian Journal of Experimental Biology*, 47: 591-596. (impact factor: **0.550**)
- 32.** Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique**, 2009. Mutagenesis and Genotypic Characterization of *Aspergillus niger* FCBP-02 for Improvement in Cellulolytic Potential. *Natural Product Communications*. 4 (4): 557-562. (impact factor: **0.745**)
- 33. Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2009. Screening of *Aspergillus niger* and *A. flavus* strains for extra cellular alpha-amylase activity. *Pakistan Journal of Botany*, 41 (2): 897-905. (impact factor: **0.52**)
- 34.** Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique**, 2009. Cellulase biosynthesis by selected *Trichoderma* species. *Pakistan Journal of Botany*, 41 (2): 907-916. (impact factor: **0.52**)
- 35.** Arshad Javaid, **Sobiya Shafique**, Shazia Shafique 2009. Comparison of *Trifolium alexandrinum* and *Parthenium hysterophorus* Green Manures in Rice – Wheat Cropping system. *Philippine Agricultural Scientist*. 92 (1): 110-115. (impact factor: **0.145**)
- 36.** Rukhsana Bajwa, Arshad Javaid, **Sobiya Shafique**, Amna Javaid, Khajista Jabeen and Shazia Shafique, 2008. Fungistatic activity of aqueous and organic solvent extracts of rice varieties on phytopathogenic fungi. *Allelopathy Journal*. 22 (2): 363-370. (impact factor: **0.527**)
- 37.** Arshad Javaid, Shazia Shafique, **Sobiya Shafique** and Tariq Riaz, 2008. Effects of rice extracts and residue incorporation on *Parthenium hysterophorus* management. *Allelopathy Journal*. 22 (2): 353-362. (impact factor: **0.527**)
- 38. Sobiya Shafique**, Arshad Javaid, Rukhsana Bajwa and Shazia Shafique, 2007. Effect of aqueous leaf extracts of allelopathic trees on germination and seed-borne mycoflora of wheat. *Pakistan Journal of Botany*, 39 (7): 2619-2624. (impact factor: **0.29**)
- 39.** Shazia Shafique, Rukhsana Bajwa, Arshad Javaid and **Sobiya Shafique**, 2007. Biological control of *achyranthes aspera* and *xanthium strumarium* in Pakistan. *Pakistan Journal of Botany*, 39 (7): 2607-2610. (impact factor: **0.29**)
- 40.** Arshad Javaid, **Sobiya Shafique**, and Shazia Shafique, 2007. Causes of rapid spread of *parthenium hysterophorus* L. in pakistan and possible control measures – a review. *Pakistan Journal of Botany*, 39 (7): 2611-2618. (impact factor: **0.29**)
- 41.** Arshad Javaid, **Sobiya Shafique**, Rukhsana Bajwa and Shazia Shafique, 2006. Effect of aqueous extracts of allelopathic crops on germination and growth of *Parthenium hysterophorus* L. *South African Journal of Botany*, 72: 609-612. (impact factor: **0.648**)

42. Rukhsana Bajwa, Tehmina Anjum, **Sobiya Shafique** and Shazia Shafique, 2006. Evaluation of antifungal activity of *Cicer arietinum* L. *Pakistan Journal of Botany*, 38 (1): 175-184. (impact factor: **0.106**)

Papers published in international journals without impact factor:

43. **Sobiya Shafique**, Waheed Akram, Tehmina Anjum, Aqeel Ahmad and Shazia Shafique, 2014. Comparative studies on phytochemistry, antibacterial and antifungal properties of *Alstonia scholaris* and *Millettia pinnata*. *Australasian Plant Disease Notes*. 9(1): 1-5.
44. Zoobia Bashir, Aqeel Ahmad, **Sobiya Shafique**, Tehmina Anjum, Shazia Shafique and Waheed Akram, 2013. Hypersensitive response – a biophysical phenomenon of producers. *European Journal of Microbiology and Immunology*, 3 (2): 105–110.
45. Asma Murtaza, Shazia Shafique, Tehmina Anjum and **Sobiya Shafique**, 2012. In vitro control of *Alternaria citri* using antifungal potentials of *Trichoderma* species. *African Journal of Biotechnology*. 11 (42): 9985-9992.
46. **Sobiya Shafique**, Ruqeyah Abdul Majeed and Shazia Shafique, 2012. *Cymbopogon citrates*: A remedy to control selected *Alternaria* species. *Journal of Medicinal Plants Research*, 6 (10): 1879-1885.
47. Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique**, 2011. Strain improvement in *Trichoderma viride* through mutation for over expression of cellulase and characterization of mutants using RAPD. *African Journal of Biotechnology*. 10 (84): 19590-19597.
48. **Sobiya Shafique**, Rukhsana Bajwa, Shazia Shafique and Arshad Javaid 2011. Herbicidal effects of aqueous extracts of three *chenopodium* species against *Avena fatua*. *African Journal of Biotechnology*. 10(34): 6492-6496.

Papers published in national and HEC recognized journals:

49. Shazia Shafique, **Sobiya Shafique** and Arooj Yousuf, 2015. Bioefficacy of extract of *Ageratum conyzoides* to control *Drechslera australiensis* and *Drechslera holmii*. *Pakistan Journal of phytopathology* 27 (2): 193-200.
50. Shazia Shafique, **Sobiya Shafique** and Aqeel Ahmad, 2015. Evaluation of the effect of different carrier materials on viability and resistance induction potential of *Penicillium oxalicum*. *Pakistan Journal of phytopathology* 27 (2): 207-215.
51. Shazia Shafique and **Sobiya Shafique**, 2014. Optimization of growth conditions for enhanced cellulase enzyme activity from the wild and improved mutants of *T. viride*. *International Journal of Biology and Biotechnology*. 11 (4): 537-545.

- 52. Sobiya Shafique**, Tehmina Anjum, Shazia Shafique, Aqeel Ahmad, Waheed Akram and Zoobia Bashir, 2011. Induction of systemic defenses in plants under the activity of dynamic inducers. *Mycopath.* 9: 95-104.
- 53.** Shazia Shafique, **Sobiya Shafique** and Rukhsana Bajwa, 2009. Cellulolytic potential of *Penicillium citrinum* FCBP -181 using different carbon sources. *Pakistan Journal of Phytopathology.* 21 (2): 135-138.
- 54.** Arshad Javaid, **Sobiya Shafique** and Shazia Shafique 2009. Invasion of noxious alien weed *Parthenium hyterophorus* L. in grazing lands of Lahore, Pakistan. *The Journal of Animal and Plant Sciences.* 19 (3): 159-153.
- 55.** Arshad Javaid, Shazia Shafique and **Sobiya Shafique** 2009. Herbicidal activity of *Withania somnifera* and *Datura alba* against *Rumex dentatus*. *Journal of Agricultural Research.* 47 (1): 37-45.
- 56.** Shazia Shafique and **Sobiya Shafique.** 2008. Antifungal activity of n-hexane extracts of *Datura metel* against *Ascochyta rabiei*. *Mycopath.* 6 (1 & 2): 31-35.
- 57.** Rukhsana Bajwa, **Sobiya Shafique** and Shazia Shafique 2008. Fungitoxicity of aqueous and organic solvent extracts of *Datura metel* against *Ascochyta rabiei*. *Mycopath.* 6 (1 & 2): 17-22.
- 58.** Arshad Javaid, **Sobiya Shafique** and Shazia Shafique 2008. Herbicidal activity of *Datura metel* against *Phalaris minor*. *Pakistan Journal of Weed Science Research,* 14 (3-4): 209-220.
- 59.** Shazia Shafique, Rukhsana Bajwa and **Sobiya Shafique,** 2007. Cellulase production potential of selected strains of *Aspergilli*. *Pakistan Journal of Phytopathology.* 19 (2): 196-205.
- 60. Sobiya Shafique,** Rukhsana Bajwa and Shazia Shafique, 2007. Amylolytic potential of two indigenous *Fusarium species* to Pakistan. *Pakistan Journal of Phytopathology.* 19 (2): 159-167.
- 61.** Rukhsana Bajwa, **Sobiya Shafique** and Shazia Shafique. 2007. Evaluation of antifungal activity of aqueous extracts of two Asteraceous plants species. *Mycopath,* 5 (1): 29-33.
- 62.** Rukhsana Bajwa, **Sobiya Shafique** and Shazia Shafique. 2007. Appraisal of antifungal activity of *Aloe vera*. *Mycopath,* 5 (1): 5-9.
- 63.** Arshad Javaid, **Sobiya Shafique** and Shazia Shafique, 2006. Herbicidal potential of aqueous leaf extract of allelopathic trees against *Phalaris minor*. *Pakistan Journal of Weed Science Research,* 12 (4): 339-346.
- 64.** Asad Shabir, Rukhsana Bajwa, Shazia Shafique and **Sobiya Shafique,** 2006. Fungal flora associated with seeds of some common weeds and their impact on seed germination. *Mycopath,* 4 (1): 55-56.
- 65.** Rukhsana Bajwa, **Sobiya Shafique** and Shazia Shafique, 2006. Effect of leaf rust infection on mycorrhizal colonization of weeds. *Mycopath,* 4 (1): 1-4.

66. Arshad Javaid, **Sobiya Shafique**, Rukhsana Bajwa, Shazia Shafique 2006. Biological control of noxious alien weed *Parthenium hysterophorus* L. in Pakistan. *International Journal of Biology and Biotechnology* 3 (4): 721-724.
67. Arshad Javaid, Shazia Shafique and **Sobiya Shafique**, 2006. Fungi associated with stored seeds of *Parthenium hysterophorus* collected from Lahore. *International Journal of Biology and Biotechnology*, 3 (3): 551-553.
68. Arshad Javaid, **Sobiya Shafique** and Shazia Shafique, 2006. Parthenium weed – an emerging threat to plant biodiversity in Pakistan. *International Journal of Biology and Biotechnology*, 3(3): 619-622.
69. Shazia Shafique, Rukhsana Bajwa, Arshad Javaid and **Sobiya Shafique**, 2006. Antifungal activity of aqueous extracts of weeds against pathogen of black pointed disease of wheat seeds. *Pakistan Journal of Phytopathology*, 18 (2): 77-80.
70. Arshad Javaid, Rukhsana Bajwa, **Sobiya Shafique**, and Shazia Shafique, 2006. Tree dieback incidence in Nathiagali and surrounding hills. *International Journal of Biology and Biotechnology*, 3 (1): 73-76.
71. **Sobiya Shafique**, Shazia Shafique and Arshad Javaid, 2005. Fungitoxicity of aqueous extracts of allelopathic plants against seed-borne mycoflora of maize. *Mycopath*, 3(1-2): 23-26.
72. **Sobiya Shafique**, Rukhsana Bajwa, Arshad Javaid & Shazia Shafique, 2005. Biological control of *Parthenium* IV: Suppressive ability of aqueous leaf extracts of some allelopathic trees against germination and early seedling growth of *parthenium hysterophorus* L. *Pakistan Journal of Weed Science Research*, 11(1-2): 75-79.
73. Shazia Shafique, **Sobiya Shafique** and Rukhsana Bajwa, 2004. Antifungal activity of allelopathic plant extracts. V: Inhibition in biomass production of *Fusarium solani* by aqueous extracts of allelopathic grasses. *Mycopath*, 2(2): 83-86.
74. Rukhsana Bajwa, **Sobiya Shafique**, Tehmina Anjum and Shazia Shafique, 2004. Antifungal Activity of Allelopathic Plant Extracts IV: Growth Response of *Drechslera hawaiiensis*, *Alternaria alternata* and *Fusarium moniliforme* to Aqueous Extract of *Parthenium hysterophorus*. *International Journal of Agriculture & Biology*, 6(3): 511-516.
75. Rukhsana Bajwa, Shazia Shafique, **Sobiya Shafique** and Arshad Javaid, 2004. Effect of foliar spray of aqueous extract of *Parthenium hysterophorus* on growth of sunflower. *International Journal of Agriculture & Biology*, 6(3): 474-478.

Papers published in proceedings:

76. Shazia Shafique and **Sobiya Shafique**, 2012. Biological control potential of *Parthenium hysterophorus* against *Fusarium solani* – A cause of fusarium wilt in potato. In proceeding of International Conference on Applied Life Sciences, 10-13, September, 2012, Konya, Turkey. Pp. 315-320.
77. **Sobiya Shafique** and Shazia Shafique, 2012. *Tagetes erectus* – A tool for the management of *Alternaria alternata* strains of tomato. In proceeding of International

Conference on Applied Life Sciences, 10-13, September, 2012, Konya, Turkey. Pp. 309-314.

- 78.** Arshad Javaid, **Sobiya Shafique** and Shazia Shafique, 2008. Herbicidal activity of Solanaceous medicinal plant *Withania somnifera*. In: Proceedings of 1st International Seminar on Medicinal Plants, 21-23 May, 2008, Department of Chemistry, Lahore College for Women University. Pp. 101-104.
- 79.** Arshad Javaid, Rukhsana Bajwa, Shazia Shafique and **Sobiya Shafique**, 2007. Management of *Parthenium hysterophorus* L. in Pakistan. In: Proceedings of 21st Asian Pacific Weed Science Society (APWSS) Conference, 2-6 October, 2007, Colombo, Sri Lanka. Pp. 186-191.
- 80.** Rukhsana Bajwa, **Sobiya Shafique**, Afia Khalid, Arshad Javaid and Shazia Shafique, 2003. Fungal biological control potential of aqueous extract of *Parthenium hysterophorus* L. In: Proceedings of 4th National Conference of Plant Pathology, 14-16 October, 2003 Arid Agriculture University, Rawalpindi. Pp. 89-96.