

Curriculum Vitae



Full Name **Dr. Jamil Shafi**

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Research Interest:

Discovery and development of microbial Bio-Pesticides for the management of plant diseases. ocieties.

EDUCATION:

2014-2017, **Ph.D., Biopesticides for Plant Diseases**, Shenyang Agricultural University, Liaoning, China.

2012-2014, **M.Sc. (Hons), Plant Pathology**, University of Agriculture, Faisalabad-Pakistan.

2007-2011, **B.Sc. (Hons), Plant Pathology**, University of Agriculture, Faisalabad.

RESEARCH PROJECTS:

2018-2019, Discovery and development of new phylloplane biocontrol agent to control early blight of tomato caused by *Alternaria solani*. 0.5 millions PKR.

WRITING EXPERIENCE:

Research articles

- 1) **J. Shafi**, H Tian, and M Ji .2017. Bacillus species as versatile weapons for plant pathogens: a review. *Biotechnology & Biotechnological Equipment*: 31(3), 446-459.
- 2) **J. Shafi**, J. M., Zhiqiu, Q., Xiuwei, L., Zumin, G., Xinghai, L., Yang, Z., Peiwen, Q., Hongzhe, T., Wunan, C. and Kai, W., 2017. Optimization of *Bacillus aerius* strain JS-786 cell dry mass and its antifungal activity against *Botrytis cinerea* using response surface methodology. *Archives of biological sciences*. 69(3), 469-480. DOI: 10.2298/ABS160421122S
- 3) **J. Shafi**, S. Zhonghua, Ji Mingshan, G. Zumin. 2017. ANN and RSM Based Modeling for Optimization of Cell Dry Mass of Bacillus sp. Strain B67 and Its Antifungal Activity Against *Botrytis cinerea*. *Biotechnology & Biotechnological Equipment*. 32(1), 58-68.
- 4) Tian, H., **J. Shafi**, Ji, M., Bi, Y. and Yu, Z., 2017. Antimicrobial Metabolites from Streptomyces sp. SN0280. *Journal of Natural Products*, 80(4),1015-1019.
- 5) Yan Chen, **J. Shafi**, Maohai Li, Danni Fu1, Mingshan Ji. 2017. Insecticidal activity of endophytic *actinomycetes* isolated from *Azadirachta indica* against *Myzus persicae*. *Archives of biological sciences*. 70(2): 349-357.
- 6) Fu, D., **J. Shafi**, Zhao, B., Li, X., Zhu, H., Wei, S. and Ji, M., 2017. Bensulfuron-methyl resistant *Sagittaria trifolia* L.: multiple resistance, cross-resistance and molecular basis of resistance to acetolactate synthase-inhibiting herbicides. *Archives of biological sciences* (2017).

- 7) Ahsan, T., Chen, J., Wu, Y., Irfan, M. and **J. Shafi**. 2017. Screening, identification, optimization of fermentation conditions, and extraction of secondary metabolites for the biocontrol of *Rhizoctonia Solani* AG-3. *Biotechnology & Biotechnological Equipment*. 31(1), 91-98. DOI: 10.1080/13102818.2016.1259016
- 8) Zhao, B., Fu, D., Yu, Y., Huang, C., Yan, K., Li, P., **J. Shafi**, Zhu, H., Wei, S. and Ji, M., 2017. Non-target-site resistance to ALS-inhibiting herbicides in a *Sagittaria trifolia* L. *Pesticide Biochemistry and Physiology*. 140 (2017): 79-84.
- 9) Maqsood Ahmed, Peiwen Qin, Zumin Gu, Yuyang Liu, Aatika Sikandar, Ran An, Ansar Javeed, **Jamil Shafi**, Dilbar Hussain, Yumeng Zhang, Guo Hongxia, Du Ying, Weijing Wang, Mingshan Ji, and Mazher Farid Iqbal. "Insecticidal activity and biochemical composition of *Citrullus colocynthis*, *Cannabis indica* and *Artemisia argy* extracts against cabbage aphid (*Brevicoryne brassicae* L.). *Scientific Reports*.
- 10) Adeel, Muhammad, Muhammad Zain, **Jamil Shafi**, Muhammad Arslan Ahmad, Muhammad Rizwan, Muhammad Shafiq, and Yukui Rui. 2018. Conservation agriculture, a way to conserve soil carbon for sustainable agriculture productivity and mitigating climate change: a review." *Fresenius environmental bulletin*. 27(9): 6297-6308.
- 11) Maqsood Ahmed, Mingshan Ji, Aatika Sikandar, Aafia Iram, Peiwen Qi, He Zhu, Ansar Javeed, **Jamil Shafi**, Zeeshan Iqbal, Mazher Farid Iqbal, and Zhonghua Sun. 2019. Phytochemical Analysis, Biochemical and Mineral Composition and GC-MS Profiling of Methanolic Extract of Chinese Arrowhead *Sagittaria trifolia* L. from Northeast China. *Molecules*, doi:10.3390/molecules24173025.
- 12) Ahmad, W., Ayyub, C. M., Shehzad, M. A., Ziaf, K., Ijaz, M., Sher, A. and **J. Shafi**. 2019. Supplemental potassium mediates antioxidant metabolism, physiological processes, and osmoregulation to confer salt stress tolerance in cabbage (*Brassica oleracea* L.). *Horticulture, Environment, and Biotechnology*, 1-17.
- 13) Mohsin, M. Muhammad Mohsin Raza, Jamil Shafi, and Mubasher Ali. 2015. Integrated Fungicidal Management for Downy Mildew of Pumpkin (*Pseudoperonospora cubensis*). *Bulletin of Advanced Scientific Research*, 1, 02.
- 14) Sarwar, M.A., A. Ali, W. Ahmad, **J. Shafi**, K. Shafique. Physiological and Biochemical Response of Maize (*Zea mays* L.) to Exogenic Application of Boron under Drought Stress. *International Journal of Advanced Research*. 1 (10): 6-16.
- 15) Ali, M., A. Hannan, **J. Shafi**, W. Ahmad, C. M. Ayyub, S. Asad, H. T. Abbas and M.A. Sarwar. 2013. Nutrient Supplement Efficacy Against Powdery Mildew of Pumpkin (*Sphaerotheca fuliginea*) and Its Correlation with Environmental Factors. *International Journal of Advanced Research*. 1 (10): 17-20. (Impact factor= 1.659)
- 16) Rehman, M.W.U., M. Hussain, M. Ali², C. B. Mustafa, **J. Shafi** and F. Iqbal. 2013. Allelopathy of Brassica. A review. *Sci. Agri*. 1 (8): 222-229. (Impact factor= 0.84)
- 17) Sarwar, M., S.U. Rehman, C.M. Ayyub, W. Ahmad, **J. Shafi**, K. Shafique. 2013. Modeling Growth of Cut-Flower Stock (*Matthiola incana* R. Br.) in Response to Differing in nutrient Level. *Universal Journal of Food and Nutrition Science*. 1(1): 4-10.
- 18) Adil, M., W. Ahmad, K.S. Ahmad, **J. Shafi**, M. A. Shehzad, M.A. Sarwar, M. Salman, M. I. Ghani, M. Iqbal. 2013. Effect of Different Planting Dates on Growth and Development of *Gladiolus grandiflorus* under the Ecological Conditions of Faisalabad, Pakistan. *Universal Journal of Agricultural Research* 1(3):110-117.
- 19) Mehmood, T., W. Ahmad, K. S. Ahmad, **J. Shafi**, M. A. Shehzad, M.A. Sarwar. 2013. Comparative Effect of Different Potting Media on Vegetative and Reproductive Growth of Floral Shower (*Antirrhinum majus* L.). *Universal Journal of Plant Science* 1(3): 104-111.
- 20) Ashraf, J., M. A. Ali, W. Ahmad, C. M. Ayyub, **J. Shafi**. 2013. Effect of Different Substrate Supplements on Oyster Mushroom (*Pleurotus* spp.) Production. *Food Science and Technology* 1(3): 44-51.
- 21) Bashir, A.M., W. ahmad, K. S. Ahmad, **J. Shafi**. M. A. Shehzad, M. A. Sarwar, I. Ghani, M. Iqbal. 2013. Efficacy of Foliar Application of Micro Nutrients on Growth and Flowering of *Gerbera jamesonii* L. *Universal Journal of Agricultural Research* 1(4): 145-149.
- 22) Imran, A., **J. Shafi**, N. Akbar, W. Ahmad, M. Ali, Sohail Tariq. 2013. Response of Wheat (*Triticum aestivum*) Cultivars To Different Tillage Practices Grown Under Rice-Wheat Cropping System. *Universal Journal of Plant Science* 1(4): 125-131.
- 23) Iqbal, M., W. Ahmad, **J. Shafi**, C. M. Ayub, M. Atiq, M. Shahid, M. Saleem. 2013. Comparative Genetic variability and Heritability in Some Tomato Varieties Against Fruit Borer, Shape Disorders and Their Correlation.

Bioengineering and Bioscience. 1(2): 17-23.

- 24) Murtaza1, Z., W. Ahmad, **J. Shafi**, M. Shoaib, M. A. Sarwar, M. A. Shehzad. 2013. Effect of Prolonged Irrigated Fodders on Soil Physical Properties and Agronomic Water Use Efficiency. *Natural Resources and Conservation* 1(3): 77-93.
- 25) Rehman, R.U., **J. Shafi**, W. Ahmad, M. Atiq, S. Asad, M. Iqbal. Population Dynamics of Thrips on Transgenic and Non-Transgenic Cultivars of Cotton. *Advances in Zoology and Botany* 1(4): 71-77, 2013.
- 26) Iqbal, R.F., M. Ali, **J. Shafi**, W. Ahmad. Agronomic Performance of Transgenic and Non Transgenic Cotton against cotton Leaf Curl Virus. *Bioengineering and Bioscience* 1(3): 37-46.
- 27) Rehman, A.U., A. Riaz, M. Iqbal, **J. Shafi** and W. Ahmad. 2014. Responses of Different Morphological Attribute of *Rosa hybrida* L. cv. Kardinal to Saline Water Irrigation. *Environment and Ecology Research*. 2(1): 21-26.
- 28) Nawaz, A., W. Ahmad, **J. Shafi**, C.M. Ayub, M. Ali. 2014. Characterization of Some Quantitative Traits of Locally Developed Tomato Hybrids Under Plastic Tunnels. *Universal Journal of Plant Science* 2(3): 69-76.
- 29) Yaseen, R., **J. Shafi**, W. Ahmad, M. Shoaib. Effect of Deficit Irrigation and Mulch on Soil Physical Properties, Growth and Yield of Maize. 2014. *Environment and Ecology Research* 2(3): 122-137.
- 30) Raza, M. M., M. A. Khan, M. Arshad, M. Sagheer, Z. Sattar, **J. Shafi**, E. Haq, A. Ali, U. Aslam, A. Mushtaq, I. Ishfaq, Z. Sabir and A. Sattar. 2014. Impact of global warming on insects. *Archives Of Phytopathology And Plant Protection*.
- 31) Sami Ullah Khan Jatoui, Mubasher Ali, **Jamil Shafi**, Muhammad Hussain, Muhammad Irfan fareed, Waheed ur Rehman. 2014. Response of Tomato Germplasm and Hybrids against Botrytis Blight and its management through Chemicals. *Advance in Agriculture and Biology*. 1(1):8-16

Abstract

- 1) Sarwer, A., M. Asif, Z. A. Cheema, Waqas Ahmad, M. Shahid, Sohail Asad, **Jamil Shafi**, Rizwan Zubair. Weed management in cotton through intercropping of allelopathic crops. international conference on prospect and challenges to sustainable agriculture 14-16 July 2011.
- 2) Atiq, M., S. Asad, **J. Shafi**, S. Urooj, T. M. Ahmad. 2013. Environmental Characterization of Mungbean Yellow Mosaic Virus Under Changing Climatic Conditions. AgMIP-Pakistan Kickoff Workshop & International Seminar on Climate Change, June 4-6, 2013. 77p

Urdu articles

- 1) Dr. Atiq, Adnan Hussain, **Jamil Shafi**, Tehmina Javed, Aadil Nawaz, M. Mohsin Raza. Sep 2010. Black Shrank of Sweet potato. *Niday Kisan*. 44 pp.
- 2) Dr. M. Atiq, Aslam Khan, Ahmad Raza, **Jamil Shafi**, Suhail Asad, Humara Saeed. August, 2010. Stem and Root Rot of Maiz. *Kisan Risala*. 9 pp.
- 3) Dr. M. Atiq, Dr. Shahbaz, Humara Saeed, Rana Abdul Waheed, **Jamil Shafi**, M. Mohsin Ali. March, 2010. Scab of Chilies. *Kisan World*. 40 pp.
- 4) Dr. M. Atiq, Dr. Aslam Khan, **Jamil Shafi**, Suhail Asad, M. Muzmal, Zeeeshan Ahmad. December, 2010. Apple Scab. *Niday Kisan*. 52 pp.
- 5) Dr. Abdul Hannan, Dr. M. Atiq, **Jamil Shafi**, Tahir Monir Butt, Mubasher Ali, Waqas Hussain, Parsa Seher. February, 2010. Rhizocotonia Solani of Potato. *Niday Kisan*. 27 pp.
- 6) Dr. M. Atiq, **Jamil Shafi**. 2012. Cultivation of Mushroom at Home. *Niday Kisan*. 27 pp.

English articles in newspapers

- 1) Waqas Ahmad, **Jamil Shafi**. January 28- 2013. Need for Crop Insurance. Dawn News paper.

WORKSHOP & SHORT COURSE:

- 1) Attended international training workshop on safe production of grains from September 10, 2014 to September 30, 2014 at Shenyang Agricultural University, China.
- 2) Attended one day training workshop on 3D- landscape designing on 13 April, 2013, organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
- 3) Participated in One week Training course on “Mushroom Cultivation Technology” on May 27-31, 2013, organized by Medicinal & Mushroom Lab, Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
- 4) Participated in One day workshop on “Scientific Writing & Plagiarism” May 28, 2013, Organized by Office of the Senior Tutor and Career Development Center, University of Agriculture, Faisalabad.
- 5) Participated in “Poster Competition held on June, 13, 2013. Organized by Young Phytodocor’s Forum, Department of Plant Pathology, University of Agriculture, Faisalabad.
- 6) Participated in “workshop on Molecular Techniques for Breeding Horticultural and Agronomic Crops, held on 30 September to 2 October, 2013. Organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad.