

## **PUBLICATIONS IN INTERNATIONAL AND NATIONAL JOURNALS:**

1. Lu-Lu Meng, Rui-Cheng Liu, Liu Yang, Ying-Ning Zou, Anoop Kumar Srivastava, Kamil Kuča, Abeer Hashem, Elsayed Fathi Abd\_Allah, **Bhoopander Giri** and Qiang-Sheng Wu (2021) The Change in Fatty Acids and Sugars Reveals the Association between Trifoliolate Orange and Endophytic Fungi. *Journal of Fungi* 2021,7,716. <https://doi.org/10.3390/jof7090716>. Impact Factor (IF) (2020): 5.816
2. Ying-Ning Zou, Hui-Hui Wu, **Bhoopander Giri**, Qiang-Sheng Wu, Kamil Kuča 2019. Mycorrhizal symbiosis down-regulates or not change root aquaporin expression in trifoliolate orange under drought stress. *Plant Physiology and Biochemistry* 144: 192-199
3. Rashmi Dwivedi, **Bhoopander Giri** and Kamlesh Shukla 2017. Efficient synthesis of plant-mediated silver nanoparticles and their screening for antimicrobial activity. *Plant Science Today*: 4(3): 143-150. <http://dx.doi.org/10.14719/pst.2017.4.3.328>. ISSN 23481900. Scopus indexed.
4. **Bhoopander Giri** 2017. Mycorrhizal dependency and growth response of *Gliricidia sepium* (Jacq.) Kunth ex Walp. under saline conditions. *Plant Science Today*: 4(4): 154-160. ISSN 23481900. Scopus indexed.
5. Hemant Pandey, Apurwa Kestwal, Diksha Chauhan, Sangeeta Kumari, Vaishali Dhalwal, Gursharan J. Singh, Puja Singh, Parul Mann, Akanksha Sharma, Geeta Saxena, Anjana Kapoor and **Bhoopander Giri** 2015. Isolation and screening of potential fungi and standardization of a process for the production of extracellular lipase. *DU Journal of Undergraduate Research and Innovation* Vol 1: Issue 1, 116-123 ISSN: 2395-2334.
6. Shantanu Mandal, Heikham Evelin, **Bhoopander Giri**, VP Singh and Rupam Kapoor (2013) Arbuscular mycorrhiza enhances the production of stevioside and rebaudioside-A in *Stevia rebaudiana* via nutritional and non-nutritional mechanisms. *Applied Soil Ecology* ISSN: 0929-1393, 72: 187-194. Cited by 24 articles Impact Factor 2.644 (Five Year 3.105)
7. Heikham Evelin, **Bhoopander Giri** and R Kapoor 2013. Ultrastructural evidence for AMF mediated salt stress mitigation in *Trigonella foenum-graecum*. *Mycorrhiza* ISSN: 0940-6360, 23(1):71-86 Springer Verlag. Cited by 36 articles. Impact Factor: 3.459.
8. Heikham Evelin, **Bhoopander Giri** and R Kapoor 2012. Contribution of *Glomus intraradices* inoculation on nutrient acquisition and mitigation of ionic imbalance in NaCl stressed *Trigonella foenum-graecum*. *Mycorrhiza* ISSN: 0940-6360, 22 (3): 203-217. Springer Verlag. Cited by 34 articles. Impact Factor: 3.459
9. Heikham Evelin, R Kapoor and **Bhoopander Giri** 2009. Arbuscular mycorrhiza in alleviation of salt stress: A review (an invited review). *Annals of Botany* ISSN 0305-7364 104: 1263-1280 Oxford press, UK. Cited by 290 articles. Impact Factor: 3.659 (Five Year 4.338).

10. **Bhoopander Giri**, R Kapoor and KG Mukerji 2007. Improved tolerance of *Acacia nilotica* to salt stress by arbuscular mycorrhiza, *Glomus fasciculatum* may be partly related to elevated K: Na ratios in root and shoot tissues. *Microbial Ecology* ISSN: 0095-3628 54 (4): 753-760 Springer Verlag, Germany. Cited by 171 articles. Impact Factor: 2.973
11. **Bhoopander Giri**, R Kapoor and KG Mukerji 2005. Effect of the arbuscular mycorrhizae *Glomus macrocarpum* and *Glomus fasciculatum* on the growth and nutrient content of *Cassia siamea* in a semi-arid Indian wasteland soil. *New forests* ISSN: 0169-4286, 27: 1-11 Kluwer Academic Publishers (now Springer), Dordrecht, The Netherlands. Cited by 30 articles. Impact Factor: 1.829
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22. **Bhoopander Giri**, R Kapoor and KG Mukerji 2000. *Sesbania aegyptiaca* Pers seedling response to VA mycorrhization in two types of soil. *Phytomorphology* 50: 327-332. ISSN. 0031-9449 International Phytomorphological Society, India. Cited by 7 articles
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#### **CHAPTER/ARTICLES IN EDITED BOOKS:**

24. Priyanka Srivastava, Manju Balhara and Bhoopander Giri (2020) **Soil Health in India: Past History and Future Perspective**. In: Giri and Varma (eds), *Soil Health*, Springer Nature, Switzerland AG, pp 3-18 ISBN 978-3-030-18974-7.
25. Priyanka Srivastava, Wu Qiang-Sheng and Bhoopander Giri (2019) **Salinity: An Overview**. In: Giri and Varma (eds), *Microorganisms in Saline Environments: Strategies and Functions*, Springer Nature, Switzerland AG, pp 3-18 ISBN 978-3-030-18974-7
26. Haishui Yang, Michelle Schroeder-Moreno, **Bhoopander Giri**, and Hu Shuijin 2018. **Arbuscular Mycorrhizal Fungi and Their Responses to Nutrient Enrichment**. In: *Root Biology*, B. Giri et al. (eds.), Springer International Publishing AG, a part of Springer Nature, *Soil Biology* 52, pp 429-450 ISBN 978-3-319-75909-8. [https://doi.org/10.1007/978-3-319-75910-4\\_1](https://doi.org/10.1007/978-3-319-75910-4_1)
27. Ishwar Singh and **Bhoopander Giri** 2017. **Arbuscular mycorrhiza-mediated control of plant pathogens**. In: *Mycorrhiza - Nutrient Uptake, Biocontrol, Ecorestoration*, Varma A, Prasad R and Tuteja N (eds) Springer International Publishing AG, a part of Springer Nature, pp. 131-160 ISBN: 978-3-319-68866-4. <https://www.springer.com/in/book/9783319688664>
28. Priyanka Srivastava, Bhawna Saxena and **Bhoopander Giri** 2017. **Arbuscular mycorrhizal fungi: green approach/technology for sustainable agriculture and environment**. In: *Mycorrhiza - Nutrient Uptake, Biocontrol, Ecorestoration*, Varma

A, Prasad R and Tuteja N, (eds) Springer International Publishing AG, a part of Springer Nature, pp 355-376, ISBN: 978-3-319-68866-4. <https://www.springer.com/in/book/9783319688664>

29. Kamlesh Shukla, **Bhoopander Giri** and R. V. Shukla 2017. **Occurrence and Distribution of Mushrooms in Semi-evergreen Sal (*Shorea robusta*) Forest Chhattisgarh, Central India.** In: Developments in Fungal Biology and Applied Mycology Satyanarayana T et al. (eds.) pp 501-523, Springer Nature Singapore Pte Ltd ISBN 978-981-10-4767-1 [https://doi.org/10.1007/978-981-10-4768-8\\_25](https://doi.org/10.1007/978-981-10-4768-8_25)
30. **Bhoopander Giri** and Bhawna Saxena 2017. **Response of arbuscular mycorrhizal fungi to global climate change and their role in terrestrial ecosystem C and N cycling.** In: Mycorrhiza - Function, Diversity, State of the Art. Varma A, Prasad R, Tuteja N (eds) pp 305-327, Springer nature, Cham ISBN: 978-3-319-53063-5
31. Bhawna Saxena and **Bhoopander Giri** 2017. Arbuscular mycorrhizal association improves secondary metabolite production in medicinal and aromatic plants: a sustainable approach. In: Microbes and Sustainable Agriculture (Prasad R and Kumar N, eds) pp 1-31, I K International Publishing House, New Delhi ISBN 978938590948-1.
32. Bhawna Saxena, Kamlesh Shukla and **Bhoopander Giri** 2017. Arbuscular Mycorrhizal Fungi and Tolerance of Salt Stress in Plants. In: Arbuscular Mycorrhizas and Stress Tolerance of Plants (Wu Qiang-Sheng ed) pp 67-98, Springer Nature Singapore, ISBN 978-981-10-4114-3
33. Rupam Kapoor, Haikhem Evelin, P Mathur and **Bhoopander Giri** 2013. Arbuscular mycorrhiza: approaches for abiotic stress tolerance in crop plants for sustainable agriculture" In: Plant Acclimation to Environmental Stress, N Tuteja and SS Gill (eds) pp 359-401, Springer Science, New York, ISBN 978-1-4614-5000-9 USA.
34. **Bhoopander Giri**, P H Giang, R Kumari and A Varma 2004. Microbial Diversity in Soils. In: Microorganisms in Soils: Roles in Genesis and Functions, Soil Biology Series vol. 3: 15-40, F Buscot and A Varma (eds) Springer Varleg, Germany. ISBN: 978-3-540-22220-0 (Print)
35. **Bhoopander Giri**, M Suchdev, P H Giang, R Kumari, R Olemuler and A Varma 2004. Mycorrhizosphere: Strategies and Functions. In: Microorganisms in Soils: Roles in Genesis and Functions, Soil Biology Series vol. 3: 213-252, F Buscot and A Varma (eds) Springer Varleg, Germany. ISBN: 978-3-540-22220-0 (Print)
36. **Bhoopander Giri** and KG Mukerji 2004. Ecology and distribution of vesicular arbuscular mycorrhizal fungi. In: Plant Diversity in India, JS Dargan and TA Sarma (eds) Published by BSMPS, Dehra dun, ISBN 10: 8121103002, India, pp. 397-426.
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40. BP Chamola, **Bhoopander Giri** and KG Mukerji 1999. Vesicular arbuscular mycorrhiza: biofertilizer for future. In: From Ethno-mycology to Fungal Biotechnology, J Singh and RK Aneja (eds) Plenum Publishing Corporation, New York, ISBN 978-1-4613-7182-3 pp. 225-234.
41. **Bhoopander Giri** and BP Chamola 1999. Vesicular arbuscular mycorrhizal fungi under salinity and drought stress. In: Advances in Microbial Biotechnology, JP Tewari, TN Lakhanpal, J Singh, R Gupta, and BP Chamola (eds). APH Publishing Corporation, New Delhi, ISBN: 8176482048, 9788176482042, pp. 421-430.

#### **POPULAR ARTICLES:**

- **Bhoopander Giri** and Bhawna Saxena 2014. Mycorrhizal associations in plants Institute of Life Long Learning, University of Delhi, Delhi, pp. 1-33.

#### **BOOKS EDITED:**

- **Root Biology** published by Springer International Publishing AG, a part of Springer Nature 2018, **Bhoopander Giri**, Ram Prasad and Ajit Varma (eds.), Soil Biology 52, ISBN 978-3-319-75909-8 [https://doi.org/10.1007/978-3-319-75910-4\\_1](https://doi.org/10.1007/978-3-319-75910-4_1)
- **Biofertilizers for Sustainable agriculture and Environment** published by Springer Nature Switzerland AG 2019, **Bhoopander Giri**, Ram Prasad, Q S Wu and Ajit Varma (eds.). ISBN 978-3-030-18932-7
- **Microorganisms in Saline Environment: Strategies and Functions** published by Springer Nature Switzerland AG 2019, **Bhoopander Giri** and Ajit Varma (eds.). ISBN 978-3-030-18974-7.
- **Soil Health** published by Springer Nature Switzerland AG 2020, **Bhoopander Giri** and Ajit Varma (eds.). ISBN 978-3-030-44363-4.
- **Plant Stress Biology: Strategies and Trends** published by Springer Nature Singapore 2021, **Bhoopander Giri** and Mahaveer P Sharma (eds.). ISBN 978-981-15-9379-6.