

Prof. Jyoti Vakhlu

- Mansotra, R., Ali, T., Bhagat, N., & Vakhlu, J. (2023). Injury and not the pathogen is the primary cause of corm rot in *Crocus sativus* (saffron). *Frontiers in Plant Science*, 14. IF:6.6.
- Nancy Bhagat, Shantu Magotra, Rikita Gupta et al., (2022). Invasion and colonization of pathogenic *Fusarium oxysporum* R1 in *Crocus sativus* L during corm rot disease progression. *Journal of Fungi*. IF:5.74
- Ambardar S, Vakhlu J and R Sowdhamini (2022) Insights from the analysis of draft genome sequence of *Crocus sativus* L. *Bioinformation* 18(1): 1-13 (2022)
- Book: Vakhlu J, Ambardar S, Salami SA, Kole C (Eds.) (2022) *The Saffron Genome*, Springer Nature, Switzerland AG: Springer International Publishing
- Book chapters: Ambardar S, Vakhlu J and Sowdhamini R. (2022) Reference genome of Saffron “The Golden condiment” In: Vakhlu J, Ambardar S, Salami SA, Kole C (Eds.) *The Saffron Genome*. Springer Nature Switzerland AG: Springer International Publishing.
- Book chapters: Bhagat N, Mansotra R, Ambardar S and Vakhlu J (2022) Cultromic and metabarcodic insights into saffron microbiome associations. In: Vakhlu J, Ambardar S, Salami SA, Kole C (Eds.) *The Saffron Genome*. Springer Nature Switzerland AG: Springer International Publishing
- Ambardar S, Bhagat N, Vakhlu J and Gowda M (2021) Diversity of Rhizo-Bacteriome of *Crocus sativus* Grown at Various Geographical Locations and Cataloging of Putative PGPRs. *Front. Sustain. Food Syst.* 5:644230. doi: 10.3389/fsufs.2021.644230 Impact factor 5.005
- Shantu Magotra, Nancy Bhagat, Sheetal Ambardar, Tahir Ali, Barbara Reinhold Hurek, Thomas Hurek, Praveen Kumar Verma, Jyoti Vakhlu (2021). Field evaluation of PGP *Bacillus* sp. Strain D5 native to *Crocus sativus*, in traditional and non traditional areas, and mining of PGP genes from its genome. *Scientific reports*, 11(1), 1-16. <https://doi.org/10.1038/s41598-021-84585-z>.
- Sharma, Shilpi, and Jyoti Vakhlu (2021). "Evolution and Biology of CRISPR System: A New Era Tool for Genome Editing in Plants." *The Botanical Review*, 1-22. <https://doi.org/10.1007/s12229-021-09250-6>
- Shilpi Sharma, Yeshveer Singh, Praveen Kumar Verma, and Jyoti Vakhlu. "Establishment of *Agrobacterium rhizogenes*-mediated hairy root transformation of *Crocus sativus* L." *3 Biotech* 11(2). DOI:10.1007/s13205-020-02626-2.
- Ritika Mansotra, and Jyoti Vakhlu (2021). Comprehensive account of present techniques for in-field plant disease diagnosis. *Archives of Microbiology*, 203(9), 5309-5320. DOI:10.1007/s00203-021-02529-7.
- Nancy Bhagat, Shivali Sharma, Sheetal Ambardar, Sushmeeta Raj, Deepika Trakroo, Micha Horacek, Rahma Zouagui, Laila Sbabou, and Jyoti Vakhlu (2021). Microbiome Fingerprint

as Biomarker for Geographical Origin and Heredity in *Crocus sativus*: A Feasibility Study. Frontiers in Sustainable Food Systems 5. DOI:10.3389/fsufs.2021.688393.

- Sheetal Ambardar, Jyoti Vakhlu, and Ramanathan Sowdhamini (2021). De-novo draft genome sequence of *Crocus Sativus L*, Saffron, a golden condiment. bioRxiv. DOI:10.1101/2021.06.23.449592.