

Dr. Rajender Singh Jarial

Senior Scientist



Specialization: Mycology (Mushroom production and management)

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Ongoing Research Projects

- Nil

Important Research Publications

- Aditya, Jarial RS and Jarial K. 2022. Commercial cultivation of the elm oyster mushroom *Hypsizygus ulmarius* (Agaricomycetes) on different substrates and its medicinal benefits. *International Journal of Medicinal Mushrooms* 24(12): 87–93
- Aditya, Jarial RS and Jarial K. 2022. Performance evaluation of substrates for cultivation of blue oyster mushroom. *Indian Journal of Horticulture* 79(3): 323-329. DOI : [10.5958/0974-0112.2022.00044.5](https://doi.org/10.5958/0974-0112.2022.00044.5)
- Bhogal Shivangi, Jarial Kumud, Jarial R S and Banyal Sanjeev Kumar. 2022. Cultural analysis and growth kinetics of *Pestalotiopsis psidii* (Pat.) Mordue causing scabby fruit canker in guava (*Psidium guajava* L.). *Indian Phytopathology* 75(3):691-701 <https://doi.org/10.1007/s42360-022-00501-z>
- Jarial Kumud, Jarial R S, Kumari Sujata, Sharma Arpana and Sharma Deepa. 2022. Impact of weather parameters on the development of bacterial leaf spot in bottle gourd and pumpkin. *Indian Phytopathology* 75(1):191-196 <https://doi.org/10.1007/s42360-021-00433-0>
- Aditya, Jarial RS and Jarial K. 2022. Laboratory screening of different nutrient media for mycelial growth and cultural characteristics of Blue Oyster Mushroom [(Bull.: Fr.) Redhead]. *Indian Journal of Ecology* 49(3): 826-830. DOI: <https://doi.org/10.55362/IJE/2022/3602>
- Aditya, Jarial RS and Jarial K. 2022. Evaluation of spawn quality and doses on yield and biological efficiency of Blue Oyster Mushroom [*Hypsizygus ulmarius* (Bull.: Fr.) Redhead] *Journal of Eco-friendly Agriculture* 17 (2): 393-398. <https://doi.org/10.5958/2582-2683.2022.00076.4>

- Jarial RS and Jarial K. 2016. Standardization of technology for round the year cultivation of different species of mushroom under natural bamboo hut conditions in low hill zone of Himachal Pradesh. *Indian Phytopathology* 69 (4s): 715-717
- Jarial K and Jarial RS. 2016. Association of *Pestalotia carissae* with *Carissa carandas*: A new record from Himachal Pradesh. *Indian Phytopathology* 69 (4s): 58-60
- Jarial RS, Jarial K, Gupta D and Sharma CL. 2015. Comparative efficacy of different fungicides under open and protected conditions against pea powdery mildew (*Erysiphe pisi*) in cold desert zone of Himachal Pradesh. *International Journal of Bio-resources Stress Management* 6(5): 579-582
- Jarial K, Jarial RS, Sharma D, Kumar S and Dogra BS. 2015. Strategy for the management of bacterial spot of bottle gourd caused by *Xanthomonas cucurbitae* under low hill conditions of Himachal Pradesh. *International Journal of Bio-resources Stress Management* 6(6):744-748

Books and Manuals

- Suman Balam Chand, Gupta Dharmesh, Kumar Satish and Jarial R S. 2018 *Khumb ki Kheti*. Indian Mushroom Growers' Association, Solan, 86p.

Awards & Recognitions

- Recipient of 2nd Best Poster Award in the International E- conference on “Multidisciplinary approaches for plant disease management for achieving sustainability in agriculture” organised by Department of Plant Pathology, College of Horticulture, Bengaluru (University of Horticultural Sciences, Bagalkot), India during October 6-9, 2020.
- Recipient of Adarsh Vidya Saraswati Rathriya Puraskar by Glacier Research Foundation, Ahmedabad for the year 2020.