

Dr Savita Jandaik

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Specialization: Mycology and Plant Pathology (Mushrooms)

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Ongoing Research Projects

- Cultivation of Shitake and other Medicinal Mushrooms funded by Govt. of Himachal Pradesh for ₹ 8.50 lakhs from May 2023 to May 2024 (PI).

Important Research Publications

- **Jandaik S**, Mehta S, Jarial R and Jarial K. 2021. Analyses of morphological and genetic variability in *Ganoderma* isolates collected from northwest Himalayas. *Research Journal of Biotechnology* **16** (3):11-18
- Prakash SV, **Jandaik S**, Chandel S, Kumar S, Thakur R, Jarial RS and Jarial K. 2021 Evaluation of agroforestry waste for cultivation of wood ear mushroom (*Auricularia polytricha*) and its antimicrobial activity. *Sydowia* **74**-2021-0153
- Sharma A Jarial RS, Jarial K and **Jandaik S**. 2021. Comparative yield performance of *Pleurotus* species on different substrates under subtropical conditions of Himachal Pradesh. *Journal of Mycology and Plant Pathology* **50** (2): 216-224
- Kumar A, Jarial RS, Jarial K and **Jandaik SS**. 2021. Optimization of spawn doses and agroforestry residues as substrates for *Pleurotus cornucopiae* production. *Journal of Pharmacognosy and Phytochemistry* **10**(1): 1659-1663
- Kumar D, Jarial K, Jarial RS, **Jandaik S** and Kumar A. 2020. Cultural Variability within different isolates of *Xanthomonas axonopodis* sp. *citri* collected from various species of citrus in different areas of subtropical zone of Himachal Pradesh. *International Journal of Current Microbiology and Applied Science* **9**(6): 1455-1466
- Kumari S, Jarial K, Jarial RS and **Jandaik S**. 2020. Cultural parameters of *Xanthomonas cucurbitae* causing bacterial leaf spot of bottle gourd and pumpkin. *International Journal of Bio-resource and Stress Management* **11**(3): 214-218
- Sharma N, **Jandaik S**, Kumar S, Chitkara M, Sandhu IS. 2016. Synthesis, characterisation and antimicrobial activity of manganese- and iron-doped zinc oxide nanoparticles. *Journal of Experimental Nanoscience* **11**(1):54-71
- Sharma N, **Jandaik S**, Kumar S. 2016. Synergistic activity of doped zinc oxide nanoparticles with antibiotics: ciprofloxacin, ampicillin, fluconazole and amphotericin B against pathogenic microorganisms. *Academia Brasileira de Ciências* **88** :1689-1698
- Mehta S, **Jandaik S**, Gupta D. 2014. Effect of cost-effective substrates on growth cycle and yield of lingzhi or reishi medicinal mushroom, *Ganoderma lucidum* (Higher Basidiomycetes) from Northwestern Himalaya (India). *International Journal of Medicinal Mushrooms* **16** (6) 585-591 (NAAS Rating 6.84).

Awards & Recognitions

- One-month overseas training on Genome editing in *Ganoderma lucidum* at Gyeongsang National University, South Korea w.e.f. 21-2-2023 to 21-3-2023 under IDP