

## Dr Savita Jandaik

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### Important Research Publications

- Singh N and **Jandaik S.** 2026 Utilization of Apple Pomace for Improving Yield and Nutritional Profile of the Elm Oyster Culinary-Medicinal Mushroom *Hypsizygus ulmarius* (Agaricomycetes). International Journal of Medicinal Mushrooms, **28**(6):81– 87
- Bhogal S, Jarial, R.S, Jarial K and **Jandaik S.**2026. Assessment of Total Phenolic Content, Antioxidant Potential, and Vitamin D2Enrichment in *Pleurotus membranaceus* (Agaricomycetes). International Journal of Medicinal Mushrooms, **28**(5):105 – 112
- **Jandaik S,**Johny A and Sharma S.2025. Influence of Rhizobium leguminosarum on quality of substrates and productivity of *Pleurotus eryngii*. – *Sydowia* 77: 17–25.
- Thakur P, **Jandaik S,** Guleria S, Sharma A, Sharma R and Singh R.2025.Exploring the Potential of Spent *Pleurotus eryngii* (Agaricomycetes) Substrate to Cultivate *Pleurotus florida* with Enhanced Productivity, Nutritional Profile, and Therapeutic Potential. International Journal of Medicinal Mushrooms **27**(2):47 – 57.
- Gautam S, Upmanyu S, **Jandaik, S.** Rathi, A , Nandani, 2025: Unlocking the potential of Shiitake mushroom (*Lentinula edodes*): cultivation, health, and therapeutic uses: a review. – *Austrian Journal of Mycology* 33: 159–173.
- Guleria S, **Jandaik S.**2024.Taxonomic Identification and Nutritional Profiling of Wild Isolates of the Pink Oyster Mushroom *Pleurotus djamor* (Agaricomycetes) from Northwestern Himalayas (India). International Journal of Medicinal Mushrooms, **26**(7):75 – 84
- **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, JarialRS, Jarial K and **Jandaik SS.**2021. Optimization of spawn doses and agroforestryresidues as substrates for *Pleurotuscornucopiae*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 axonopodispv. 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

#### **Books:**

Tomar M, Jandaik S and Chandel S.2025. Unlocking Plant Pathology Targeted Prep for ICAR-JRF, SRF and allied services. Nipa Genx Electronic Resource and Solution Private limited, New Delhi, P212.ISBN 978-93-58874-94-5

#### **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