



INSTITUTE OF AGRICULTURAL RESOURCES  
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### Research Interests

- Growth development of edible fungi
- Stress physiology
- Mushroom spawn quality

### Publication

Genome-wide characterization of the Zn(II)2Cys6 zinc cluster encoding gene family in *Pleurotus ostreatus* and expression analyses of this family during developmental stages and under heat stress, *PeerJ*, 2020, DOI:10.7717/peerj.9336

Trehalose induced by reactive oxygen species relieved the radial growth defects of *Pleurotus ostreatus* under heat stress, *Applied Microbiology and Biotechnology*, 2019, DOI:10.1007/s00253-019-09834-8

Cloning, purification and characterization of trehalose-6-phosphate synthase from *Pleurotus tuoliensis*, *PeerJ*, 2018, DOI:10.7717/peerj.5230

Protective roles of trehalose in *Pleurotus pulmonarius* during heat stress response, *Journal of Integrative Agriculture*, 2019, DOI:10.1016/S2095-3119(18)62010-6



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**A novel laccase with inhibitory activity towards HIV-I reverse transcriptase and antiproliferative effects on tumor cells from the fermentation broth of mushroom *Pleurotus cornucopiae*,** Biomedical Chromatography,2013,DOI: 10.1002/bmc.3068

**High-temperature induced disruption of the cell wall integrity and structure in *Pleurotus ostreatus* mycelia,** Applied Microbiology and Biotechnology, 2018, DOI:10.1007/s00253-018-9090-6

**High-temperature induced changes of extracellular metabolites in *Pleurotus ostreatus* and their positive effects on the growth of *Trichoderma asperellum*,**Frontiers in Microbiology,2018, DOI:10.3389/fmicb.2018.00010

**High temperature enhances the ability of *Trichoderma asperellum* to infect *Pleurotus ostreatus* mycelia,**PLoS One,2017, DOI:10.1371/journal.pone.0187055