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### Research Interests

- Cultivation and resource utilization of edible fungi
- Cultivation physiology of edible fungi
- Growth development of edible fungi

### Publication

Integration of *Pleurotus tuoliensis* cultivation and biogas production for utilization of lignocellulosic biomass as well as its benefit evaluation, *Bioresource Technology*, 2020, DOI:10.1016/j.biortech.2020.124042

Methane production and characteristics of the microbial community in the co-digestion of spent mushroom substrate with dairy manure, *Bioresource Technology*, 2018, DOI:10.1016/j.biortech.2017.11.088

Comparative transcriptomic analysis reveals molecular processes involved in pileus morphogenesis in *Pleurotus eryngii* under different light conditions, *Genomics*, 2020, DOI:10.1016/j.ygeno.2019.09.014

iTRAQ-based quantitative proteomic analysis reveals proteomic changes in mycelium of



**Pleurotus ostreatus in response to heat stress and subsequent Recovery**, *Frontiers in Microbiology*, 2018, DOI:10.3389/fmicb.2018.02368

**Metabolic profiling of Pleurotus tuoliensis during mycelium physiological maturation and exploration on a potential indicator of mycelial maturation**, *Frontier in Microbiology*, 2019, DOI: 10.3389/fmicb.2018.03274

**The structural characterization of a polysaccharide exhibiting antitumor effect from Pholiota adiposa mycelia**, *Scientific Reports*, 2019, DOI:10.1038/s41598-018-38251-6

**Evaluation of Korshinsk peashrub (Caragana korshinskii Kom.) as a substrate for the cultivation of Pleurotus eryngii**, *Waste and Biomass Valorization*, 2019, DOI:10.1007/s12649-018-0301-2

**Selenium speciation and biological characteristics of selenium-rich Bailing mushroom, Pleurotus tuoliensis**, *Emirates Journal of Food and Agriculture*, 2018, DOI: 10.9755/ejfa.2018.v30.i8.1758

**A novel peroxidase from fresh fruiting bodies of the mushroom Pleurotus pulmonarius**, *International Journal of Peptide Research and Therapeutics*, 2018, DOI: 10.1007/s10989-018-9784-8

**Purification and characterization of a novel laccase from the edible mushroom Hericium coralloides**, *The Journal of Microbiology*, 2012, DOI: 10.1007/s12275-012-1372-6