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# Antioxidant and anti-inflammation of enzymatic-hydrolysis residue polysaccharides by *Lentinula edodes*

*Zhenzhen Ren [#,1], Wenbo Liu [#,1], Xinling Song [#,1], Yanran Qi [#,2], Chen Zhang [1], Zheng Gao [1], Jianjun Zhang [1], Le Jia [1,*]*

[1] *College of Life Science, Shandong Agricultural University, Taian, 271018, PR China*

[2] *State Key Laboratory of Food Science and Technology, Jiangnan University, Wuxi 214122, PR China*

**Abbreviation:** Alamine aminotransferase: ALT; Alkaline phosphatase: ALP; Aspertate aminotransferase: AST; L-arabinose: L-Ara; Blood urea nitrogen: BUN; Catalase: CAT; Creatine kinase isoenzyme: CKMB; Creatinine: CRE; D-galactose: D-Gal; D-glucose: D-Glu; Enzymolysis Residue polysaccharides: ERPS; Gas chromatography- mass spectrometry: GC-MS; GSH peroxide: GSH-Px; Interleukin-1β: IL-1β; Interleukin-6: IL-6; Lactic dehydrogenase: LDH; lipid peroxidation: LPO; Lipopolysaccharide: LPS; D-mannose: D-Man; malondialdehyde: MDA; Model control group: MC; Multiple organ dysfunction: MOD; Normal control group: NC; Positive control: PC; L-rhamnose: L-Rha; Reactive oxygen species: ROS**;** Residue polysaccharides: RPS; Superoxide dismutase: SOD; Total antioxidant capacity: T-AOC; Tumor necrosis factor-alpha: TNF-α; Uric acid: UA.

# Equal contributors.
* Corresponding author. E-mail address: jia__le@126.com (L. Jia).