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**Antioxidative and hepatoprotective effects of enzymatic and acidic-hydrolysis of  
*Pleurotus geesteranus* mycelium polysaccharides on alcoholic liver diseases**

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### Highlights

- The AcMPS and EnMPS showed potential anti-oxidant effects.
- The polysaccharides have hepatoprotection by remitting hepatic enzymes activities.
- Findings indicate the bioactivities are related to physical-chemical characteristics.
- The polysaccharides could be functional foods and natural drugs for preventing ALD.

### Abstract

The present work investigated the antioxidant and hepatoprotective effects of

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