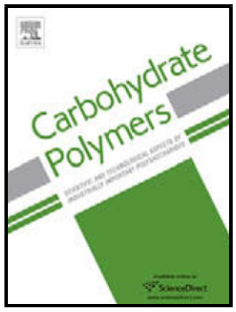

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Characteristic anti-inflammatory and antioxidative effects of enzymatic- and acidic-hydrolysed mycelium polysaccharides by *Oudemansiella radicata* on LPS-induced lung injury

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Highlights

The En-MPS and Ac-MPS showed potential antioxidation by enhancing the enzyme activities and decreasing the lipid peroxidation.

The En-MPS and Ac-MPS had lung-protection effects by regulating the anti-inflammation response (TNF-α, IL-1β, IL-6 and MPO) and relieving the serum indexs (hs-CRP and C3).

The GC, HPGPC, FT-IR and NMR analysis reflected that the bioactivities is related to the superior physical properties.