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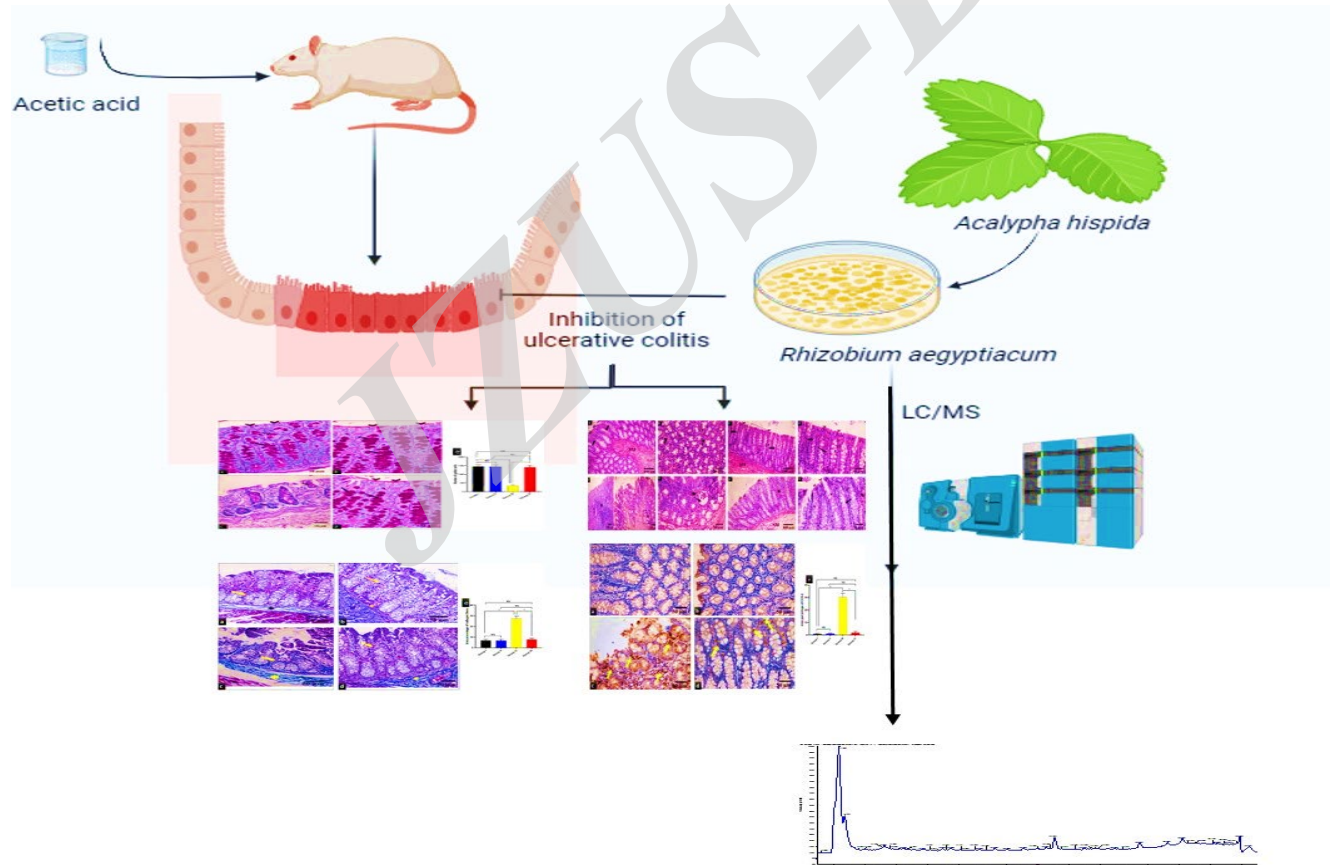
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Promising protective treatment potential of endophytic bacterium *Rhizobium aegyptiacum* for ulcerative colitis in rats

Key words: Inflammatory bowel syndrome, LC-MS/MS, SEM, histology, immunohistochemistry, qRT-PCR

Research Summary

This article is mainly focused on the anti-inflammatory effect of the endophytic bacterium, *Rhizobium aegyptiacum*, on ulcerative colitis in rats and summarizes the key roles that was played by such bacterium in the following aspects:



Innovation points

- Isolation of the endophytic bacterium, *Rhizobium aegypticaum*, from leaves of *Acalypha hispida* Burm. f.
- Liquid chromatography-mass spectrometry of the *Rhizobium aegypticaum* extract.
- Investigating the therapeutic effect of the *Rhizobium aegypticaum* extract on ulcerative colitis in rats.