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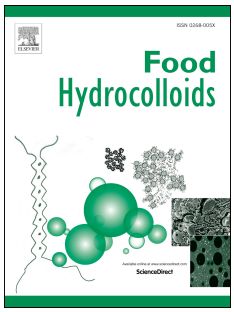

Rheological behavior and antioxidant activity of a highly acidic gum from *Althaea officinalis* flower

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- The gum from *A. officinalis* flower is classified as a rhamnan-rich polysaccharide
- The gum showed negatively charged carboxyl groups and high antioxidant activity
- Rheological properties of the gum changed with temperature and concentration
- The gum showed weak gel properties at lower temperatures or higher concentrations