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Characterization of physical, mechanical, and antibacterial properties of agar-cellulose bionanocomposite films incorporated with savory essential oil

Maryam Atef , Masoud Rezaei , Rabi Behrooz



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Highlights

- A new active nanocomposite film incorporated SEO were developed and characterized.
- Interactions between components led to a reduction of nanocomposite films water solubility
- Improving antibacterial properties of the nanocomposite films using the savory essential oil

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