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Facile, green and scalable method to produce carrageenan-based hydrogel containing *in situ* synthesized AgNPs for application as wound dressing

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Abstract

This manuscript was focused on introducing a facile, green and scalable method to produce kappa-carrageenan (κ C) hydrogel membranes containing *in situ* synthesized silver nanoparticles (AgNPs). In a typical protocol, κ C hydrogels were obtained by heating (sol phase), followed by cooling (gel phase) the polysaccharide solution, which enabled the simultaneous synthesis of AgNPs during the heating time. The as synthesized AgNPs were

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