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Title: Synthesis, characterization, swelling and drug release behavior of semi interpenetrating network hydrogels of sodium alginate and polyacrylamide

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Research highlights

- Semi IPN type hydrogels were synthesized from polyacrylamide and sodium alginate.
- Effect of various operating conditions on synthesis of gels was studied.
- Swelling, diffusion, network parameters and drug release of the gels were studied
- IPN hydrogels showed high drug adsorption with good fitting to kinetic models.

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