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Title: Novel stimuli - responsive gellan gum - graft - poly(DMAEMA) hydrogel as adsorbent for anionic dye

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Highlights:

- pH and Temperature responsive gellan gum - graft - poly ((2-dimethylaminoethyl) methacrylate) gels have been made.
- Suitability of the material as adsorbent for anionic dyes has been confirmed with Methyl orange.
- Maximum adsorption is achieved at pH 3.0.

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