

## عنوان مقاله:

Preparation and Properties of Collagen-g-poly(Acrylic acid)/Nanomontmorillonite Superabsorbent Composites

## محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

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## خلاصه مقاله:

A series of superabsorbent composites based on acrylic acid and modified Na-montmorillonite nanoclay with hydrolyzed collagen using N,N'-methylenebisacrylamide crosslinker (MBA) and potassium persulfate as an initiator (KPS) were synthesized through solution polymerization. Themolecular structure of sample was confirmed by Fourier transform infrared (FTIR) spectroscopy. Swelling behavior hydrogel composites have been studied in different medias .such as slat solutions. Synthesized composites showed good thermal stability

## کلمات کلیدی:

superabsorbent, swelling, collagen, composite, montmorillonite

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/341309>

