

## عنوان مقاله:

Dynamic mechanical properties of biodegradable films based on chitosan and zein

## محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

The thermo-mechanical properties of chitosan (C), zein (Z) and chitosan-zein (CZ) composite films were investigated by dynamic mechanical thermal analysis (DMTA). Composite films were prepared by blending of chitosan and zein solutions at various compositional ratios and using of casting technique. For the composite films, there was no clear evidence of separate phase transitions of the individual polymeric constituents or a separate polyol phase. The results showed that composite films from blending of chitosan solution with zein solution had lower glass transition temperature (T<sub>g</sub>) in comparison with individual polymeric constituents.

## کلمات کلیدی:

Zein, Chitosan, Composit films, DMTA

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/46004>

