

## عنوان مقاله:

Synthesis and induction of chitosan-nanorice organic nanocomposites with biodegradability in the packaging of food  
nanopolymers

## محل انتشار:

چهاردهمین کنفرانس بین المللی علوم صنایع غذایی، کشاورزی ارگانیک و امنیت غذایی (سال: 1402)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

Smart packaging in the food industry, upon detectiong food spolage within the package, releases its preservative substance and detects temperature changes and mosture leakage from the food inside the packakage, notifyint the consumer. Int this article, an attempt was made to from a nancocomposite film and its structure by combining conductive polymer with chitosan synthesis towards measuring the water vapor ratio and conductiong X-ray diffraction and electrical conductivity or rsitance measurements of films using a multimerer model ۴۲۵DT. Additionally, the antioxidant property was exmined and measured. int the article, you will read about the effect of the weight percentage .ratio of nanorice nanopolmer on starch properties such as elongation and surface hydrophilicity

## کلمات کلیدی:

Nanocomposite, chitosan, biopolymer, nanocellulose , non-degradable, synthesis

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1705779>

