

## عنوان مقاله:

Usage of biodegradable packaging derived from fishery resources considering environmental approaches

## محل انتشار:

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## خلاصه مقاله:

Packaging conserves food products against physical, chemical and microbiological damages. Non-biodegradable packages driven from artificial polymers can have negative effects on human and ecosystem health that is considered as a global environmental problem nowadays. Hence, the usage of biodegradable biopolymers as a proper alternative for non-biodegradable packages has been widely addressed in recent years. The purpose of this study is to utilize biodegradable packages driven from aquatic organism's waste in order to prevent environmental pollutions. Results of this study indicated that several compounds of aquatic proteins and polysaccharides including collagen, gelatin, chitin, chitosan, alginate, agar and carrageenan are economical, available and biodegradable biopolymers that have abundant properties to be utilized as food product packages. In addition, they are less energy consuming with less .waste and greenhouse gas emissions, in comparison with non-biodegradable packaging

## کلمات کلیدی:

Food packaging, Biodegradable, Environment, marine by-products

## لینک ثابت مقاله در پایگاه سیویلیکا:

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