



Biopolymeric Coatings

BIOPOLYMERIC COATINGS FORMULATIONS WITH CUSTOMIZED FUNCTIONALITIES

KEY WORDS

BIOPOLYMER
COATINGS,
ACTIVE PACKAGING,
SUSTAINABLE
MATERIALS

DESCRIPTION

Formulations involving biopolymers and natural additives are applied onto natural and synthetic polymeric films to improve their gas barrier properties and provide specific functionalities (antioxidant, antimicrobial, among others).

POTENTIAL BENEFITS OR IMPACTS

The use of biodegradable polymers replacing some synthetic ones in conventional packaging helps in reducing environmental impact.

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 4: laboratory validation

AREA OF APPLICATION

Materials for active food packaging

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