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Effect of plant extracts on the techno-functional properties of biodegradable packaging films

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1 **Effect of plant extracts on the techno-functional properties of biodegradable packaging**
2 **films**

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13 **ABSTRACT**

14 *Background*

15 One of the innovations in food packaging includes the development of biodegradable films
16 based on wide range of ingredients. The utilization of these ingredients affects the properties
17 of developed packaging films.

18 *Scope and approach*

19 This review provides the recent insights on the effect of plant extracts on the techno-
20 functional properties of biodegradable films including physical, mechanical, barrier,
21 functional, antioxidant and antimicrobial properties. The incorporation of plant extracts into
22 films is a promising method to prevent or reduce the deterioration of food quality, thus
23 contributing to preserving and extending the shelf life of food.

24 *Key findings and Conclusions*

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