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 International Food Research Journal
 Volume 24, 2017, Pages 402-409

Research progress in biofloculants from bacteria (Article)

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Abstract

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Although one of the major users of flocculants are water and wastewater treatment industries, flocculants are also used in various food industries. The chemical flocculants are preferred widely in these industries due to low production cost and fast production ability. However, the negative effects of the chemical flocculants should not be neglected to gain the economic benefits only. Therefore, the researchers are working to discover efficient and economical flocculants from biological sources. Several attempts have been made and are still being made to extract or produce biofloculants from natural sources such as plants, bacteria, fungi, yeast, algae, etc. The review revealed that significant amount of work have been done in the past, in search of biofloculant. However, commercially viable biofloculants are yet to be marketed widely. With the advent of new biotechnologies and advances in genetic engineering, the researchers are hopeful to discover or develop commercially viable, safe and environment-friendly biofloculants. © All Rights Reserved.

SciVal Topic Prominence [📄](#)

Topic: Flocculation | Bacteriology | Biofloculant production

 Prominence percentile: 91.116 [📄](#)

Author keywords

[Coagulant](#)
[Flocculant](#)
[Food processing](#)
[Turbidity](#)
[Water treatment](#)

Funding details

Funding sponsor	Funding number	Acronym
Ministry of Higher Education, Malaysia	FRGS 14-109-0350	MOHE

Funding text

The authors are grateful for the financial support provided by the Ministry of Education (MOE), Malaysia through the Project ID: FRGS 14-109-0350.

ISSN: 19854668

Source Type: Journal

Original language: English

Document Type: Article

Publisher: Universiti Putra Malaysia

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