

The Global Market for Natural Biopolymers: Polyhydroxyalkanoates (PHA), Polysaccharides, Protein-based biopolymers, algal and fungal based biopolymers and chitin

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Abstracts

The market for biopolymers extracted from agro-food wastes, biomass such as polysaccharides, proteins and lipids, as well as those produced by yeast biomass, algae or by bacterial fermentation, have attracted a significant amount of research and industrial interest over the last few years. Applications have been developed for food packaging, agricultural films, membranes, sustainable clothes etc. and will continue to grow with continued government and industry push for sustainable plastics.

Biopolymers or natural polymers are naturally occurring polymers formed by plants, animals, and microorganisms. In this group naturally occurring and chemically modified polymers are included, such as cellulose, chitin, gelatin, vegetal proteins, β -glucan, dextrane, and kefiran. Biopolymers are directly used as obtained from their sources and are biodegradable; they are also referred to as natural polymers.

Report contents include:

Analysis of overall bioplastics/biopolymers global market in 2021, and forecast to 2031.

Current market conditions, players, end user markets, trends and future outlook.

Market challenges for wider adoption of natural biopolymers.

Global production capacities and consumption, by market. Market forecasts to

2031.

Analysis of natural biopolymers including Polyhydroxyalkanoates (PHA), Polysaccharides, Protein-based biopolymers, algal and fungal based biopolymers, chitin etc.

End user market analysis including packaging, consumer products, automotive, textiles, medical devices, electronics and building materials.

145 companies profiled. Companies profiled include Algix, Mango Materials, Kaneka, Danimer Scientific, Newlight Technologies, Tianan Biologic, Eranova, Loliware LLC, Uluu, Notpla, Oimo, Bolt Threads, Bio Fab NZ, Ecovative Design LLC and many more.

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