

# BioPolymer Processing & Moulding. Congress and exhibition

19.06.2018 - 20.06.2018

The BIOPOLYMERS – Processing & Moulding congress is one of the most important trade gatherings of 2018, particularly for those injection moulders, plastics processors, material developers and users focusing increasingly on sustainable products (or who plan to do so), because it will be geared around issues of pressing importance to experts. These will be discussed in the entrepreneurs' own language.

**When:** 19.–20. Juni 2018

**Where:** Halle Messe, Messestraße 10 · 06116 Halle (Saale)

## Background

Since 2013, the number of biopolymers sold worldwide has been growing three to five times faster than overall plastic production.

Experts predict bio-based and/or biodegradable plastics to grow by 10 percent a year over the next five years. With practical, first-hand expertise, the BIOPOLYMERS – Processing & Moulding congress and its accompanying exhibition illustrate the resulting challenges faced by injection moulders, processes and users, and how they can best utilise the associated opportunities.

[www.polykum.de/biopolymer-2018](http://www.polykum.de/biopolymer-2018)

## An overview of the presentation topics

### > New Materials

#### (Kopie 1)

High potential biobased and biodegradable injection moulding materials: Biesterfeld Plastic, a leading distributor of technical plastics, will be teaming up with Nurel to present "INZEA": PLA polylactic acid. Mitsubishi Chemical Performance Polymers (MCPP) will be exhibiting its at ambient temperatures compostable BioPBS, while Kaneka, will be analysing developments on the biodegradable polymers market using the example of PHBH™.

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### > Material development

An APP enabling plastics processors to enter their desired biopolymer properties and obtain a customised composition? That is precisely the aim of the Digilab project, which the Fraunhofer Institute for Microstructure of Materials and Systems IMWS will be presenting in greater detail at the congress.

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### > Compounding and colouring

Experts from Granula AG will be illustrating the special aspects which need to be taken into account when colouring biopolymers compared to conventional plastics. Swiss-based Omya, one of the world's leading mineral material suppliers, provides insights into the use of calcium carbonate in biopolymers, while FKuR will be using its own product range to prove that bio-compounds are the first choice for both non-durable and durable goods.

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### > Processing technology

Does the use of biopolymers require any technical precautions on injection moulding machinery? KraussMaffei Technologies' presentation will concisely answer that important question. Exipnos will be showcasing a particularly gentle way of processing biopolymers: Its DCIM direct processing technology combines compounding and injection moulding into one process, minimising mechanical and thermal stresses on materials, and avoiding the need for expensive pre-drying.

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### > Material testing

Can a biopolymer's properties be reliably reproduced and guaranteed for the long term? Using the example of polylactic acid, experts from the Leipzig Plastics Centre KuZ will show how application-based tests can provide answers to this and other quality-related questions.

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> **Raw material production**

Uhde Inventa-Fischer, a subsidiary of thyssenkrupp Industrial Solutions, will be presenting its PLAneo® process designed to manufacture various types of PLA. Heppel Medical Chitosan will explain how high-purity polymers can be created out of crustacean shells for use in medicine, pharmacy and industry, and will encourage lateral thinkers to participate in joint workshops. The Fraunhofer Centre for Chemical-Biotechnical Processes CBP will describe new ways of fermenting carboxylic acids to produce biopolymers.

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