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BASF in motion

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Biopolymers

Report

Our customers and society are increasingly looking for sustainable innovative solutions. And innovations based on chemistry are often the key to solve the challenges like climate change, scarce resources and to enable a circular economy. Effective and efficient R&D is a prerequisite for innovation. With approximately 10,000 research and development employees around the globe and R&D hubs in Europe, Asia and the US, BASF develops sustainable solutions for its customers every day.

Finding and developing the materials of the future is one of BASF's main research goals. For example, we have been developing biodegradable and bio-based polymers for around 25 years. To find the most suitable material for each application, we need to examine the environmental, social and economic impacts over a product's entire life cycle. International co-operations with world leading academic institutes as well as digital tools like our own supercomputer used for advanced Predictive Biodegradation Modeling are now speeding up R&D processes significantly – helping us to develop more sustainable materials that contribute to a circular economy.

For further information:

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(01) Biodegradables, from Biodegradability to sustainable products (01.11.2022 / 5'17 / DE&EN / Report)



Understanding biodegradability in detail

At an early stage of product development, it is important to understand if and how biodegradation happens. BASF develops a range of certified biodegradable products which are used in numerous applications including soil-biodegradable agricultural mulch films, composable bags and home & personal care products. In this process, BASF researchers use various methods to measure the biodegradation of a material in different habitats.

TRANSCRIPT

Comment

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|---------------|--|
| 00:50 – 01:09 | Prof. Andreas Künkel, Research Biopolymers, BASF |
| 02:09 – 02:40 | Hubert Seiringer, Managing Director, Seiringer Umweltservice GmbH, Austria |
| 03:04 – 03:30 | Prof. Michael Zumstein, Biotransformation, University of Vienna, Austria |
| 03:48 – 04:04 | Dr. Jessica Bean, Digitalisation & Predictive Modelling Biopolymers, BASF |
| 04:18 – 04:50 | Prof. Andreas Künkel, Research Biopolymers, BASF |

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