



2020 Conference Announcement

## 10th World Congress on Biopolymers & Bioplastics scheduled on August 3-4, 2020 at Zurich, Switzerland

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Biopolymers are polymers produced by living organisms; in other words, they are polymeric biomolecules. Biopolymers contain monomeric units that are covalently bonded to form larger structures. There are three main classes of biopolymers, classified according to the monomeric units used and the structure of the biopolymer formed: polynucleotides (RNA and DNA), which are long polymers composed of 13 or more nucleotide monomers; polypeptides, which are short polymers of amino acids; and polysaccharides, which are often linear bonded polymeric carbohydrate structures. Other examples of biopolymers include rubber, suberin, melanin and lignin. Biopolymers are polymers that are biodegradable. The input materials for the production of these polymers may be either renewable (based on agricultural plant or animal products) or synthetic. There are four main types of biopolymer based respectively on:

1. Starch
2. Sugar
3. Cellulose
4. Synthetic materials

Current and future developments in biodegradable polymers and renewable input materials focus relate mainly to the scaling-up of production and improvement of product properties. Larger scale production will increase availability and reduce prices.

The [Biopolymers 2020](#) is an event that aims to explore the ways to innovate in the field of Chemical Engineering, and to find new resources for better industrial development at Zurich, Switzerland on August 3-4, 2020. The conference will serve as a platform to bring together leading chemists with different specialties such as Chemical Engineers, professors, Business delegates. Congress will discuss on the topics such as Natural Polymers, Advanced polymers, Bioplastics and Its Applications, Ocean Plastics, Synthetic polymers, Nanopolymers and Nanotechnology, Polymers Application in Medicine, Health, [Biotechnology](#) and others, Biopolymers as Materials, Green Composites in Biopolymers, Biopolymers for Tissue Engineering and Regenerative Medicine, [Biodegradable Polymers](#), Polymer Processing and Modelling.

Biopolymers 2019 supported by the organizing committee network of renowned scientific and professional expert such as **Geoffrey R. Mitchell, Centre for**

**Rapid Product Development, Polytechnic of Leiria, Portugal**, provided a platform for collaboration among colleagues, vendors, and academia to reveal new innovations, solutions, ideas, and emerging technologies in Chemistry.

As per a report by IndustryARC on the global polymers market, its size in 2019 was evaluated to be staggering \$666.6 billion in the year 2018. This market is foreseen to experience a noticeable growth with a compound annual growth rate (CAGR) of 5.1%. The global polymers market is getting majorly disrupted by biopolymers- one of the world's most organic compounds. The categorization of biopolymers is largely dependent on its end-user industry. This market enjoys a varied number of end-users including some promising ones such as pharmaceutical, healthcare, and food and beverage industry. In the medical industry, biodegradable polyesters are extremely useful in manufacturing surgical implants. And in the food and beverage industry, biopolymers are primarily used for manufacturing cellophane sheets that are massively utilized for food packaging.

Chemical Engineering Conferences going to be held during January, 2020 to December, 2020 at various cities in Europe (London, Barcelona, Madrid, Valencia, Rome, Milan, Berlin, Frankfurt, Vienna, Zurich, Dublin, Edinburgh.... And Many More..!!!

### Regards

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