

## Biopolymer Congress 2016

# Theme: Bioplastics: A Genuine Alternative

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### Summary:

Bioplastics are plastics in which all carbon is derived from renewable feedstocks. They may or may not be biodegradable. Biobased plastics contain both renewable and fossil-fuel-based carbon. The percentage of biobased ingredients and the conditions under which the biobased product may biodegrade, if at all, vary widely. Products on the market are made from a variety of natural feedstocks including corn, potatoes, rice, tapioca, palm fiber, wood cellulose, wheat fiber and bagasse. Products are available for a wide range of applications such as cups, bottles, cutlery, plates, bags, bedding, furnishings, carpets, film, textiles and packaging materials. In the US, the percentage of biobased ingredients required for a product to be referred to as biobased, is defined by the USDA on a product-by-product basis.

Bioplastics Conference 2016 is an event delivering the concept of biobased world across the globe. In the present world where the use of conventional plastics, the consequences of plastic products use and the waste management of these products when they become waste, is a current and pressing issue. Concerns focus on the potential impact of conventional plastics they cause to the environment.

For more details please visit: <http://bioplastics.conferenceseries.com/>

### Importance & Scope:

The history of Bioplastics is not a long one. They are beginning to emerge as a result of needing to be more responsible in taking care of the world we live in. Thus, the recent emergence of bio-based products rather than petroleum or natural gas based products. Various reasons are associated with the research and development of Bioplastics. The use of bioplastics could markedly increase as more durable versions are developed, and the cost to manufacture these bio-plastics continues to go fall. Bioplastics can replace conventional plastics in the field of their applications also and can be used in different sectors such as food packaging, plastic plates, cups, cutlery, plastic storage bags, storage containers or other plastic or composite material items you are buying and therefore can help in making environment sustainable.

### Why Europe?

Europe accounted for more than one third of total global bioplastics consumption in 2013. Thus, this region is the most important sales market, followed by North America, Asia-Pacific, and the rest of the world. Ceresana forecasts Europe to remain leading in research and development and the largest market for bioplastics for several years to come. Asia-Pacific and a number of South American countries, however, are likely to catch up significantly: Given a sound economic surrounding and an as yet small market share of bioplastics in end applications, both regions offer an enormous potential for growth.

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### **Conference Highlights:**

- Advances in the Bioplastics
- Future and scope of Bioplastics
- Challenges & Opportunities for Bioplastics
- Biomaterials
- Recycling, compostability & waste
- Cutting-edge advancements in bioplastic production
- Biofibers and microbial cellulose

### **Major Associations around the Globe:**

- British Plastics Federation
- European Council for Plasticizers and Intermediates
- American Coatings Association
- American Chemical Society (Division of Polymer Chemistry)
- American Physical Society Division of Polymer Physics (APS DPOLY)
- Polymer Division of the Royal Australian Chemical Institute (RACI Polymer Division)
- Belgian Polymer Group
- Brazilian Polymer Association
- European Polymer Federation
- Bioenvironmental Polymer Society

### **Target Audience:**

Eminent Scientists/ Research Professors, Junior/Senior research fellows, Students, Directors of companies, Engineers, Members of different physics associations.

### **Top Universities in Spain:**

- Universidad de Alicante
- Universidad Complutense de Madrid
- Universitat de Barcelona
- Universidad Politécnica de Madrid

### **Bioplastics Market Analysis:**

As there is need for eradication of plastics, there is increase in growth of industries for Bioplastics. Bioplastics have found wide acceptance in various industries, on account of its distinguished environment friendly properties. Bioplastics are now an important part of every sector Food tech, nanotech, chemistry, medical etc.

There is an increase of 20% (approx.) in the production of bioplastics products per year. Market of around 1.2 million tons in 2011 may see a five-fold increase in production volumes by 2016, to almost 6 million tones. By 2020 Bioplastics production could rise to 12 million tones.

**Bioplastics Production Market**



