

## Biopolymers and Bioplastics-2015

# Theme: Bio world Innovation: Smart, Green and Environmentally Sustainable Biopolymers

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### Summary:

Bioplastics are a form of plastics made entirely or almost entirely from renewable raw materials such as vegetable oil, corn starch, biomass whereas conventional plastics are made from petroleum ( oil or gas ). Bio-plastics 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.

Biopolymers and Bioplastics-2015 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://biopolymers-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 Biopolymers and Bioplastics. The use of bio-plastics could markedly increase as more durable versions are developed, and the cost to manufacture these bio-plastics continues to go fall. Bio-plastics 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 San Francisco?

The United States has consistently been the largest producer of plastic and the synthetic plastic market is engrained in the United States and world economy, but now the focus has been shifted to Bioplastics as plastics are having many adverse effects. The bioplastics market is miniscule in comparison to the plastics marketplace; however, bioplastics are gaining in capital and popularity . North America is the biggest market for biopolymers, consuming more than one-third of the total global demand for biopolymers.

Many institutions and departments in United States are encouraging the research for bioplastics. Departments such as Department of Defense (DOD), National Science Foundation (NSF), National Institute of Health (NIH), Department of Health and Human Services (DHHS) , Department of Energy (DOE), Northwestern University, University of Akron etc. are involved in the research for Biopolymers and Bioplastics.

Various companies like Dupont, Cereplast , Metabolix , Natureworks LLC etc. are now a part of USA and their product services are entirely based on Biodegradable Plastics i.e., Bioplastics.

Apart from Research and Industrial point of view, San Francisco is a beautiful city, having a density of about 17,867 people per square mile. It is the most densely settled large city (population greater than 200,000) in the state of California and the second-most densely populated major city in the United States after New York City. The city is also the financial and cultural hub of the larger San Jose-San Francisco-Oakland combined statistical area, with a population of 8.5 million.

San Francisco is a popular tourist destination, known for its cool summers, fog, steep rolling hills, eclectic mix of architecture, and landmarks including the Golden Gate Bridge, cable cars, the former prison on Alcatraz Island, and its Chinatown district. San Francisco is also the headquarters of five major banking institutions and various other companies such as the Gap Inc., Pacific Gas and Electric Company, Yelp, Pinterest, Twitter, Uber, Mozilla and Craigslist.

### **Why to attend???**

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### **Conference Highlights:**

- Green Chemicals : Biopolymers and Bioplastics
- Bioplastics Vs Conventional Plastics
- Future and Scope for Biopolymers and Bioplastics
- Biorefineries and Industrial Biotechnology
- Current Status on Biobased Materials and Biorefining
- Biomass in Industrial Development
- Case Studies: Different Uses of Bioplastics
- Ceramic Composites and Its Applications
- Biodegradation, Composting, Environmental Issues

### **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 (BPG)
- 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 USA:**

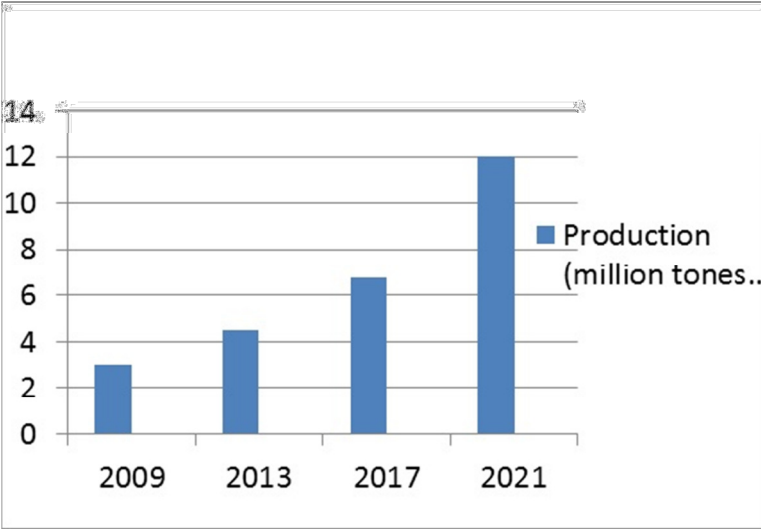
- University of Massachusetts Amherst
- Tufts University
- Northeastern University
- Stanford University
- Massachusetts Institute of Technology (MIT)
- Boston University

### **Bioplastics Market Analysis :**

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

There is an increase of 20% (approx.) in the production of Bioplastics per year. Market of around 1.2 million tones 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 Market Projection



### Bioplastics Market

