

## 5th Edition of International Conference and Exhibition on Polymer Chemistry March 23-24, 2020 | London, UK

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[Polymers](#) are high molecular mass compounds made by [polymerization](#) of [monomers](#). The simple reactive molecule through which the repeating structural units of a polymer are derived is called a monomer. A [polymer](#) can be described in many ways like its [degree of polymerization](#), [molar mass distribution](#), [tactility](#), [copolymer distribution](#) and its [end-groups](#), [crosslinks](#), [crystallinity](#) and thermal properties such as its [glass transition temperature](#) and melting temperature. [Polymers](#) in [solution](#) have very special characteristics with respect to [solubility](#), [viscosity](#), and [gelation](#).

International conference on polymer chemistry will be idyllic destination for the Polymer chemistry's Academians, Scientists, Research Scholars, Young turks and corporate people to share their knowledge and vision. It will be the perfect platform to build up new connections and work together sustainable growth and development with excellence and humility.

In Polymer Chemistry, [polymerization](#) is a process of reacting monomer molecules together in a chemical reaction to form polymer chains or three-dimensional networks. There are many forms of polymerization and different systems exist to categorize them. In chemical compounds, polymerization occurs via a variety of reaction mechanisms that vary in complexity due to functional groups present in reacting compounds and their inherent steric effects. In more straightforward polymerization, [alkenes](#), which are relatively stable due to sigma bonding between carbon atoms, form polymers through relatively simple radical reactions; in contrast, more complex reactions such as those that involve substitution at the carbonyl group require more complex synthesis due to the way in which reacting molecules polymerize. Alkanes can also be [polymerized](#), but only with the help of strong acids.

The rise in demand for polymer foams in applications, such as automotive, building and construction, and packaging facilitates the growth of the market. The European polymer industries makes the most significant contribution to the welfares in Europe by enabling innovation, creating quality of life to citizens and facilitating resource efficiency and climate protection. Almost more than 1.5 million people are working in 60,000 companies (mainly small and medium sized companies in the converting sector) to

create a turnover above 340 bn EUR per year. The plastics industry includes polymer producers - represented by Plastics Europe, converters - represented by EuPC and machine manufacturers - represented by EUROMAP. Prof. **Mahmoud A. Hussein** from **King Abdulaziz University, Saudi Arabia** to present a session on **Polymer Nanotechnology** to share the research and ideas at Polymer Chemistry Conference 2020 at London, UK. Fundamental information about the Polymer Chemistry is going to be discussed in **"5th Edition of International Conference and Exhibition on Polymer Chemistry"** which is going to be held during March 23-24, 2020 in London, UK. With the theme **"Exploring recent advances in Polymer chemistry, related fields and applications"** under the Organizing Committee Members. We are thankful to all our speakers for encouraging and supporting us to conduct the conference and catapulting the same to pinnacle of success.



**Carlos Ventura** | Conference Manager, Polymer Chemistry 2020

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