



Journal of Chemistry

Special Issue on
**Design of Novel Alpha-Olefin Polymers from
Postmetallocene Catalysts**

CALL FOR PAPERS

Polymeric materials such as polyolefins are widely present in everyday life with a high annual turnover exceeding 100 million tons/year. Although most of commercial polyolefins are produced by Ziegler/Natta catalysis, there is a growing share of the world market polyolefins based on postmetallocenes catalysis allowing the creation of a virtually "limitless" range of material types. Notable features of these catalysts refer to their capability to act as living polymerization catalysts and to produce stereoregular polymers characterized by controlled architectures with almost predictable statistical distributions and ultrahigh molecular weight polymers. All these unique characteristics are often unavailable by means of other techniques.

We invite worldwide scientists to contribute original research articles and review articles highlighting the recent development on the synthesis, characterization and catalytic processes of postmetallocenes, emphasizing their ability to generate olefin-based materials. The main goal of this special issue is to improve the knowledge of scientific and industrial community on this fascinating area.

Potential topics include, but are not limited to:

- ▶ Catalysts design
- ▶ Understanding on mechanistic studies on polymerization reaction
- ▶ Materials properties
- ▶ Characterization techniques

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jchem/organometallic.chemistry/ddna/>.

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