

Special Issue

Biobased and/or Biodegradable Polymeric Materials

Message from the Guest Editor

Biodegradable polymers can be obtained from either renewable or fossil sources while bio-based polymers are either biodegradable or durable (non-biodegradable). Biodegradable polymers such as polysaccharides or aliphatic polyesters are particularly significant as a potential solution for the reduction of plastic wastes pollution. In addition, bio-based polymers, synthesized from renewable resources using chemical methods or even enzymatic routes as a greener approach, have recently received considerable attention in an effort to replace petroleum-based plastics with polymers displaying much lower ecological footprint. This Special Issue will thus aim at presenting the most recent findings in the field of biodegradable and/or bio-based polymeric materials. **Keywords:**

- Biobased polymers
- Biodegradable polymers
- Bioplastics
- Biopolymers
- Monomers from biomass
- Renewable resources
- Sustainable materials
- Polysaccharides
- Biodegradable polyesters

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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