

## Special Issue

# Recent Researches in Polymer and Plastic Processing

### Message from the Guest Editor

With the increasing demand for plastics in various industries, it has become crucial to find innovative techniques to process them. Hence, recent research in polymer and plastic processing have focused on improving the efficiency and sustainability of these materials. A key focus in this field is to develop bio-based materials, derived from renewable sources such as plants, to replace traditional polymers. These bio-based polymers not only reduce our dependence on fossil fuels, but also offer better biodegradability and reduced environmental impact. However, there are challenges in marking, decorating or printing on them. This Special Issue aims to collate papers addressing any and all aspects of developing sustainable and efficient ways of polymer and plastic processing. Some potential topics include polymer processing, plastic recycling, bio-based polymers, sustainable materials, plasma modification of polymeric materials, films printing, 3D printing, injection molding, efficiency, and sustainability.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 June 2025)



## Materials

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*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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