



## Polymer Materials Chemistry: Design, Synthesis and Emerging Applications

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submissions:

**closed (20 May 2023)**

### Message from the Guest Editors

Dear Colleagues,

The domain of polymeric materials is known world-wide, these materials being key and powerful tools that make our live easier. In this regard, the polymeric domain has gained remarkable permanent progress in different areas in parallel with the development of technology and nanotechnology. Furthermore, new advanced polymeric-based materials are daily reported, together with new synthesis and characterization pathways.

This Special Issue highlights the new synthesis procedure and new reactions of polymer modifications able to produce polymeric materials with special characteristics in:

- Protein engineering and modifications within protein backbone with synthetic polymers (micelles, nanocarriers, etc.);
- 3D manufacturing and additive fabrication (Computer-Aided Design);
- Hydrogels and nanocomposites for biomedical applications (tissue engineering, drug delivery, organ-on-chip, etc.);
- New polymers in electronics, actuators, coatings, green and storage energy.





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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