

Special Issue

Synthesis of Functional Organic Materials and Chemicals

Message from the Guest Editors

The topics within the scope of the Issue are mainly the following but are not limited to these:

Synthesis and construction of simple/complex organic molecules through various reactions, including but not limited to functional group transformations, carbon-carbon bond formation, protecting group strategies, and multi-step synthesis.

Polymer synthesis with tailored properties such as step-growth polymerization, chain-growth polymerization, crosslinking, etc.

Nanomaterials such as nanoparticles, nanowires, and nanotubes can be synthesized and subsequently functionalized to impart desired properties.

Functional materials can also be assembled through supramolecular interactions.

Surface modification techniques such as ligand exchange, surface grafting, encapsulation, etc.

Sol-gel chemistry for the preparation of various functional materials such as ceramics, glasses, and hybrid organic-inorganic materials.

New industrial biopolymer/bio-based polymer products.

Guest Editors

Dr. Ajmir Khan

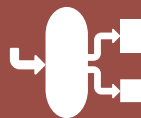
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