# **Special Issue**

### Recent Advances in Bio-Based Nanomaterials for Environmental Remediation, Waste Valorization and Circular Economy

### Message from the Guest Editors

This Special Issue is focused on the most recent advances in the development of bio-based nanomaterials applicable for the elimination of contaminants from the environment (water, soil and air) and resource recovery from wastes towards a circular economy. The following topics are welcome in this Special Issue:

- Rational design and synthesis of biopolymer-based nanomaterials, including nanocomposites, hybrid materials and surface-modified nanomaterials, for applications in the adsorption and/or degradation of pollutants;
- Assessment of the environmental impact and ecotoxicity of the bio-based nanomaterials;
- Resource recovery from wastes using bio-based nanomaterials;
- Mechanistic and computational studies regarding adsorption and reactions at the interfaces with biobased nanomaterials.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (1 March 2023)



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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

### Editor-in-Chief

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