# **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**

Dr. Ana Luísa Daniel da Silva

CICECO-Aveiro Institute of Materials, Chemistry Department, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Sofia Soares

CICECO-Aveiro Institute of Materials, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal

### Deadline for manuscript submissions

closed (1 March 2023)



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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/ molecules





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### **Editor-in-Chief**

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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