



Polymeric Architectures in Water Greening: Challenges, Solutions and Novel Ideas

Guest Editor:

Prof. Dr. Ana-Maria Albu

Department of Bioresources and
Polymer Science, University
Politehnica of Bucharest, 060042
București, Romania

Deadline for manuscript
submissions:

closed (10 December 2021)

Message from the Guest Editor

The synthetic or natural polymers are a fascinating materials class meant to increase the comfort of daily life. The development of polymer structure-composition research continues to inspire advances in materials science, providing cost-effective alternatives in ecological, biological and medical applications. Polymers become a challenging alternative when it comes to materials with an adaptable, controllable wettability.

According to the Stockholm Declaration (2011), there is a continuing need to find and develop innovative solutions aimed at greening this precious resource, promoting new techniques to stimulate sustainable economic development by harnessing this "green infrastructure".

The topic can be focused, but is not limited, to analytical approach to the experimental and theoretical aspects of design, preparation, processing, characterization and practical implication of polymeric materials/composites systems from macro to nanoscale, regarding: greening of water resources and fundamental understanding of the mechanisms for polymer action in water purification processes.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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