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## Metal, Metal Oxide, and Carbon Nanoparticles Obtained by One-Pot Green Chemistry

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Deadline for manuscript  
submissions:

**closed (1 July 2022)**

### Message from the Guest Editors

In the past 20 years, a vast majority of water-soluble biopolymers was tested for the ability of producing metal and metal oxide nanoparticles (NP) by reduction of corresponding ions. The interest in the nanobiocomposite colloids (NBCC) is dictated by their possible theranostics and catalytic applications. In particular, plasmon absorption of light by metal NPs is widely used in sensing and increases the catalytic activity of NBCC; iron oxide NPs heated by applying magnetic field are used in hyperthermia therapy.

This Special Issue is dedicated to the green synthesis, characterization, and application of NBCC.

In particular, the analysis of the role of

- Macromolecular conformation and architecture;
- Polyelectrolyte properties of biomacromolecules;
- Their association/aggregation;
- Hydrolysis and modification of biomacromolecules during the NP synthesis;

in the structure, colloidal stability, and properties of NBCC is welcome.

Reports on new biomacromolecule-NP pairs capable of producing promising NBCC are encouraged.



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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