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Silver Nanoparticles: Design, Synthesis, and Applications

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Deadline for manuscript submissions:

closed (20 May 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue on "Silver Nanoparticles: Design, Synthesis, and Applications" will gather interdisciplinary works in the fields of material, biomedical, and chemical sciences. Silver nanoparticles still bring new application opportunities for nanotechnology. The Special Issue is dedicated to the novel synthesis of nanomaterials and their hybrid systems and nanocomposites included in physical, chemical, and biological approaches, as well as challenges such as the description of mechanism formation of nanoparticles in various systems, and their stability and physicochemical characteristics.

We are specifically seeking research articles and reviews that cover different applications such as electronic devices and solar energy harvesting, advanced analytical techniques, medical diagnostics and treatment, catalysis, 3D printing materials, and environment applications. The action mechanism related to antimicrobial, antifungal, and antiviral properties and the cytotoxicity and ecotoxicity effects of AgNPs will be welcome.

Dr. Paweł Piotr Pomastowski Dr. Viorica Railean-Plugaru *Guest Editors*











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Message from the Editor-in-Chief

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