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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

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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