Special Issue

Functionalizing of Cellulose or Chitosan Surfaces with Metallic Nanoparticles

Message from the Guest Editor

Cellulose and chitin (or its derivative chitosan) are abundant materials, which are both biodegradable and sustainable materials. In particular, they can be functionalized with metallic (or respective salts) nanoparticles, aiming at several applications, such as biocide wound textiles or smart fabrics to degrade chemical weapon agents. Moreover, some of these nanoparticles can be grown on both materials following the principles of green chemistry since they can be used simultaneously as reducing and/or stabilizer agents

Guest Editor

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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