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Nanomaterials for Oral Medicine

Guest Editor:

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closed (15 November 2021)

Message from the Guest Editor

This Special Issue aims to cover the synthesis and functionalization of different nanomaterials, as well as their characterization and application in oral medicine, nanodentistry, and nanotechnology in dentistry.

For this Special Issue, we are interested in several classes of nanomaterials: bone grafts, dental filling, implant materials and implant coating, nanogels, polymeric materials, peptide-based materials, hybrid bionanomaterials, biocomposite materials, nanoporous materials, bioactive scaffolds, nanostructured materials, nanocrystalline materials, nanomaterials functionalized by proteins or other biomolecules to their surface, bioceramics, calcium phosphates (CaP and HA), calcium silicate-based, carbon-based (graphene, carbon nanotubes) materials, nanoparticles for bioimaging or therapy (thermal therapy, drug delivery, controlled release), magnetic materials (magnetite, maghemite), silica, zirconia, silver, titania, and nanoparticles acting as antimicrobial agent.

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Editor-in-Chief

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Message from the Editor-in-Chief

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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