Special Issue

Cardiovascular Nanomedicine

Message from the Guest Editors

Cardiovascular diseases (CVDs) are the most significant health problem in the world. Diseases of the heart as well as the vascular system belong to this discipline. While treatment with nanomedicines is well established for oncological and systemic fungal diseases, Cardiovascular nanomedicine (CVN) is still the route ahead. Various nanoparticles (NPs) have been used for improving the features of existing CVD medications, while others for controlled delivery of new drugs. Another approach is to develop NP-based diagnostic agents for CVDs, e.g., superparamagnetic iron oxide nanoparticles (SPIONs) for plaques. However, most of these activities are still in the preclinical or early clinical trial phase. There is still long way to go before translational research can implement new CVD therapeutic and diagnostic strategies into clinical practice, and both efficacy and safety issues will first need to be addressed. This Special Issue of *Nanomaterials* invites original research articles as well as review articles that will stimulate the continuing efforts in this exciting and continuously expanding field.

Guest Editors

Dr. László Dézsi

Dr. Iwona Cicha

Prof. Dr. János Szebeni

Deadline for manuscript submissions

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Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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