Special Issue

Advanced Nanomedicine for Drug Delivery

Message from the Guest Editors

In recent years, nanomedicine has been successfully assisting preclinical and clinical investigations to effectively fight cancer and infectious, inflammatory or genetic diseases by reducing deaths and improving the quality of life of patients. Nanomedicine is a branch of knowledge born from the amalgamation of sciences such as biology, medicine, pharmaceutics, chemistry, and engineering. Referring in detail to drug delivery, nanomaterials and related methods and processes provide researchers, drug technologists and clinicians with systems, molecules or new functionalization and engineering solutions capable of making increasingly effective, safe and sustainable diagnoses and treatments. The purpose of this Special Issue is to collect valuable contributions, research papers or reviews on the development, characterization and engineering of new nano-enabled advanced drug delivery solutions.

Guest Editors

Dr. Tania Limongi

Department of Drug Science and Technology University of Turin, Via Pietro Giuria 9, 10125 Torino, Italy

Dr. Francesca Susa

Department of Drug Science and Technology, University of Torino, Via Pietro Giuria 9, 10125 Torino, Italy

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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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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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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