# Special Issue

# Recent Advances in Nanosystems for Drug Delivery and Cancer Therapy

## Message from the Guest Editor

Cancer remains a major global health challenge. Nanotechnology offers innovative solutions for cancer therapy through advanced nanosystems like liposomes, polymeric nanoparticles, and extracellular vesicles. These platforms enable targeted drug delivery, reduce toxicity, and integrate diagnostics with therapeutics (theranostics). This Special Issue highlights interdisciplinary research on the design and application of nanosystems to improve the precision and safety of anticancer treatments. We invite the submission of original research articles, reviews, and communications covering, but not limited to, the following topics: -
Synthesis, functionalization, and characterization of nanocarriers for drug delivery;
-Targeted and controlled-release nanosystems for cancer therapy;
-Vesicle-based nanocarriers for therapeutic applications;
-Theranostic and multifunctional nanoplatforms;
-Studies on biocompatibility, pharmacokinetics, and toxicity of nanomaterials;
-Translational and preclinical research in nanomedicine and oncology. We aim to showcase research advancing next-generation cancer therapies.

## Guest Editor

Dr. Eleonora Calzoni
Department of Chemistry, Biology and Biotechnology, Biochemistry and Molecular Biology Section, University of Perugia, 06123 Perugia, Italy

## Deadline for manuscript submissions

30 October 2026

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

mdpi.com/journal/nanomaterials

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# About the Journal

## 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. 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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