Special Issue

Combination of Cold Atmospheric Plasma and Nanomaterials in Cancer Treatment

Message from the Guest Editors

The current Special Issue seeks contributions from scientists and researchers dealing with new applications of CAPP and the development of appropriate plasma devices to treat cancer and alleviate its effects in the body. In particular, it is focused on the effects of CAPP on the microenvironment of cancer cells, the induction of their programmed death, as well as the positive effect on normal cells. Scientific works devoted to the synergistic antitumor activity of CAPP and nanomaterials are particularly welcome. Potential topics include, but are not limited to, the following:

- Liquid-mediated and surface-mediated effects of CAPP on cancer and normal cells, including cell proliferation, apoptosis, migration and permeability;
- In vitro and in vivo studies of selective CAPP treatment of various tumors;
- Combination of CAPP and nanomaterials for noninvasive cancer treatment;
- Application of CAPP and nanomaterials in tumor therapy and tissue regeneration.

Guest Editors

Prof. Dr. Pawel Pohl

Dr. Piotr Jamroz

Dr. Anna Dzimitrowicz

Dr. Aleksandra Bielawska-Pohl

Deadline for manuscript submissions

closed (31 December 2021)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/75765

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

mdpi.com/journal/nanomaterials

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/nanomaterials

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

MDPI