

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

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Deadline for manuscript submissions

closed (31 December 2021)



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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

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