Special issue on

Advances in carbon nanomaterials in medical fields

CALL FOR PAPERS

Submission Deadline: September 2, 2023

Publication Date: Jan 2024

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In our journal *Nano and Medical Materials*, a special issue is calling for papers about carbon nanomaterials.

Carbon nanomaterials have expanded into a wide range including fullerenes, carbon nanotubes, graphene and its derivatives, graphene oxide, nanodiamonds, carbon-based quantum dots, etc. They have the potential to improve the way that patients are treated and diagnosed clinically. In this special issue of Nano and Medical Materials, we will focus on carbon nanomaterials.

Carbon nanomaterials work in chemo-resistant cancer, enhancing magnetic resonance imaging, and improving tissue regeneration and stem cell banking, among others. Additionally, in the medical field, strategies for further improving drug delivery and imaging through carbon nanomaterials, such as inducing endothelial leakage and applying artificial intelligence to design optimal nanoparticle-based drug combination delivery, are also desired.

Although the clinical diagnostics of carbon nanomaterials remains an emerging area of research, there is substantial preclinical evidence of the translational potential of carbon nanomaterials. We highly welcome any research on carbon nanomaterials in diagnostics, including topics on **the unique properties of different carbon nanomaterials, detailed cases of application in different diseases, pros and cons of different carbon materials, the progress of carbon nanomaterials in diagnostics, carbon nanomaterials utilization in cancer, etc.**