



Carbon Dots: Structure, Properties and Emerging Applications II

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Carbon dots (C-dots) represent an emerging class of nanoemitters that show interesting optical properties often combined with remarkable resistance to photobleaching. They are very promising for applications related to energy storage and conversion, photocatalysis, bioimaging, biosensing, photothermal therapy, antimicrobials, nanoforensics, fertilisers, and plant growth promoters.

This Special Issue welcomes research articles and review papers on all aspects of C-dots. Potential topics include, but are not limited, to the following:

- Synthesis and characterization of C-dots;
- Polymer nanocomposites based on C-dots;
- Powder compositions and coatings comprising C-dots;
- Biomedical, antimicrobial, agricultural, forensic, and energy-related applications of C-dots.

Dr. Antonios Kelarakis

Guest Editor





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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.

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