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Nanodiamond Particles: Properties and Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (31 May 2019)

Message from the Guest Editor

Dear Colleagues,

Nanodiamond particles have found their way into a plethora of scientific investigations, with applications ranging from highly-stable fluorescent biomarkers for cellular probes to strengthening additives in composite materials. The surface of these tiny gems can be chemically modified to achieve a desired interaction with their environment, leading to molecular grafting and the ability to be either hydrophilic or hydrophobic, depending on attached functional groups. It is no wonder that the remarkable properties and tailored response of such a sparked tremendous nanoparticle has scientific investigation in recent years. Nanodiamond's excellent mechanical and optical properties, high surface area, nontoxicity and tunable surface structures, combined with techniques mass-production refined for commercialization. has created amazing opportunities and discoveries in fields as diverse as medicine and astrochemistry.

We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.

Prof. Dr. Shane Aaron Catledge Guest Editor













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Editor-in-Chief

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Message from the Editor-in-Chief

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