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Nanoapproaches at the Interface of Treatment, Diagnostics, Bio-Imaging, Drug Delivery and Regenerative Therapeutics

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Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

This Special Issue on nanoapproaches welcomes manuscripts related, but not limited, to the following areas:

- Soft-matter, polymers, nucleic acids, and peptide-based bio-composites for drug delivery and biosensing.
- Metal alloy nanocomposites with complex core-shell structures for enzyme activity, photothermal effects, and ROS generation.
- Metal oxide nanostructures with organic interfaces for chemodynamic, and photodynamic therapy.
- Inorganic quantum dots with semi-conducting properties and structural complexities for biocatalysis as well as bio-analysis.
- Coordination complexes, nanomagnets, nanozeolites, and nano-objects with spin-transitions for targeted treatment.
- Nano-MOFs- and COFs-based molecular heterojunctions for therapeutic and bio-sensing applications.

Manuscripts incorporating advanced methods and techniques such as magnetic studies, X-rays, “near-field/dark-field/fluorescence/confocal” microscopies, TEM, SEM, NMR, IR, UV, Mass, GC-MS, HPLC, AFM, Raman, plasmonic, nanofluidic, SERS, SPR, neutron scattering, and nanopore-based cellular approaches for solving current biopharmaceutical problems are highly encouraged.



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Special Issue



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