

IET Nanobiotechnology Call for Papers

SPECIAL ISSUE ON:

Selected extended papers from the International conference of the 19th Asian BioCeramic Symposium

Editor-in-Chief: Professor Ronald Pethig, University of Edinburgh, UK

This special issue presents invited extended papers from The International Conference of the 19th Asian BioCeramic Symposium (2019ABC). We also welcome outstanding manuscripts on relevant topics in an open for call for papers.

Nanobiotechnology using bioceramics and biopolymeric materials is an emerging and rapidly growing research field that deals with the aspects of biomaterials-related nanotechnology, molecular biology and biomedicine. It can offer improvements in therapies, diagnostics, and treatment in clinical practise. The biomaterials, which are made of bioceramics or biopolymers play an indispensable role in the Nanobiotechnology. There is urgent need to advance research in the biomaterials. To this end, the Special Issue is focused on the emerging concepts on the preparation, design, characterization, and role of biomaterials in medical applications.

Topics of interest:

- Surface technologies to create nano-structure on implant systems;
- Surface analysis of functional biomaterials;
- Development of smart medical materials
- Characterization of biomimetic, osteogenic or antimicrobial coatings;
- The specific cell (or microorganism)–biomaterial interactions;
- The immune responses to nanomaterials;
- Design of new therapeutics and delivery vehicles;
- Diagnostics for diseases detection and imaging using materials;
- Bionanotech-based sensor and lab-on-a-chip;
- Development of scaffolds for tissue & bone engineering;
- In vitro genotoxicity and cytotoxicity of nanomaterial.

Submit your paper to manuscript submission and peer review site via the following link:
www.ietdl.org/IET-NBT

Publication Schedule:

Submission Deadline:
31st January 2020

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