

“BIONANOCOMPOSITES FOR INDUSTRIAL APPLICATIONS”

Edited by

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Aims and scope

This special issue will include many of the recent technical research accomplishments in the area of bionanocomposites either naturally available or synthetic and will include the review articles discussing various aspects of these green and sustainable bionanocomposites from the point of view of the chemistry and engineering.

This special issue encourages the submission of review articles from the experts of the hybrid biopolymers and bio-composites, bionanocomposites, bioactive and biodegradable materials, bio-inert polymers and composites, natural polymer and composites area research.

SUB-TOPICS:

Potential topics include but are not limited to the following:

- State of the art in Synthesis and Characterization of Bionanocomposites
- Behaviour, Fate, Bioavailability, and Effects of Bionanocomposites
- Critical Trends in Miniaturization of Bionanocomposites
- Functional Bionanocomposites
- Bionanocomposites: Multifaceted Applications of Bionanocomposites
- Commercialization of bionanocomposites
- Cytotoxicity and biocompatibility of bionanocomposites
- Challenges and Future Needs

Keywords:

Bionanocomposites; composites; nanocomposites; biopolymers; natural polymers; biomedical applications; tissue engineering; drug delivery; food packaging; food applications; waste water treatment; sensors technology; industrial applications

Schedule

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