



Special Issue on Nanocomposites

Call for Papers

Nanocomposites are multiphase solid materials where one of the phases has one, two or three dimensions of less than 100 nanometers, or structures having nano-scale repeat distances between the different phases that make up the material. Nanocomposites differ from conventional composite materials due to the nanoscale dimensions of the filler phase and the exceptionally high surface to volume ratio of this phase. As a result they often perform unique mechanical, thermal, catalytic, optical or electrical properties which are controlled by factors such as local chemistry, crystallinity, morphology, or mobility.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Nanocomposites**. Potential topics include, but are not limited to:

- Polymer nanocomposite
- Ceramic nanocomposites
- Metal nanocomposites
- Nano-engineered composites
- Modeling of nanocomposite materials
- Nanoparticle functionalization
- Nanocomposite synthesis, structure, and properties
- Nanocomposite processing, characterization, and applications

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Nanocomposites**” should be selected during your submission.

Special Issue Timetable:

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