

Special Issue

Applications of Green Chemistry Principles to Nanoscience and Nanotechnology

Message from the Guest Editor

The nanotechnology field is one of the most significant scientific and engineering research advances of the 21st century, and has the competence to contribute sustainable development goals since there are several emerging applications with great promise for greener chemical manufacturing. Research groups should pay attention to the use of renewable biopolymers as an alternative to conventional polymers in the future development of the nanotechnology field.

Presently, significant progress so far has been reached in preparing biocompatible and biodegradable nanomaterials or nanocomposites. Another potential example in the field to consider is an exploration of biopolymers in the synthesis of metal nanoparticles as reducing and stabilizing agents and as an alternative to hazardous reagents.

This Special Issue targets the publication of well-composed original research or critical review papers that study some aspects of 12 green chemistry principles and other papers that show the continuous efforts in the development of nanomaterials succeeding sustainable development goals.

Guest Editor

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