



## Emerging Trends in Advanced Polymer Nanocomposites

Guest Editors:

**Dr. A. K. Prasannan**

Assistant Professor, Department of Materials Science and Engineering, National Taiwan University of Science and Technology (NTUST), No. 43, Section 4, Keelung Road, Taipei 10607, Taiwan

**Dr. Nimita Jebaranjitham J.**

Assistant Professor, Post Graduate Department of Chemistry, Women's Christian College, Chennai 600 006, India

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### Message from the Guest Editors

Dear Colleagues,

Research into polymer nanocomposites has recently attracted a great deal of interest due to the variety of applications they offer. Functionalized polymeric nanocomposites with carbon nanotubes, graphene oxide (GO)/reduced GO, 2D/3D layered structures, layered double hydroxides (LDHs), biomaterials, metal/covalent organic framework (MOF/COF), and metal oxides/nanoparticles are gaining much interest owing to their distinctive physical, chemical, structural, and interfacial properties, desirable for application. Therefore, advancements in polymer nanocomposites are crucial for researchers in all aspects of technique, design, development, and application in numerous domains.

This Special Issue will emphasize the highlights in new research areas pertinent to the development of emerging functional polymeric nanocomposites with exploration for multi-applications in several domains, viz., coatings, flame-retardants, optical/photovoltaic devices, catalysis, photocatalysis, energy storage and electronic/bio-devices, sensors/biosensors, fuel cells, environmental remediation, membrane filters, bone/tissue-engineering, and drug delivery.





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### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

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*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
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