



## Polymer-Inorganic Materials Composite and Its Potential Application

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### Message from the Guest Editors

Insertion of inorganic materials into polymers is usually applied for fabricating polymer composites or hybrid materials with enhanced mechanical, optical, electrical, electronic, sensing, energy production, thermal, adsorption, and catalytical properties. Major inorganic materials, such as graphene, CNT, carbon nanomaterials, various metal nanoparticles, and their oxides, are utilized for enhancing the intrinsic properties of the polymer as a polymer–inorganic hybrid composite. So, this Special Issue will focus on the fabrication of polymer–inorganic hybrid materials and their application in sensors (moisture sensors, chemical sensors, gas sensors, temperature sensors, and so on), mechanical property enhancement of polymers as polymer composites, membrane application using adsorption and separation application for the purification of water, thermoelectric device for the generation of electricity, enhancement of electrical conductivity of polymers, photocatalytic applications, electronic applications, thermal stability, and thermal conductivity modification.





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