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Synthesis, Characterization and Application of Novel Nanoparticles

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Message from the Guest Editors

Currently, the green synthesis of nanometals, nanometal oxides, and nanocomposites has received significant attention in the fields of environmental nanotechnology and bio-nanotechnology. As compared to chemical and physical synthesis methods, the synthesis of nanoparticles using green materials is more environmentally friendly, cost-effective and avoids use of toxic chemicals. The use of plants, bacteria, algae and fungi represents an easy and eco-friendly strategy for the green synthesis of nanometal oxides. Different types of nanometal oxides, mainly including transition metal oxides, as well as metal nanoparticles such as silver, copper, cobalt, and zinc, have been applied for various environmental applications. Thus, our aim is to attract the attention of the readers to this Special Issue aiming to cover the latest developments in synthesis, characterization and multifunctional application of novel nanostructures. The Special Issue solicits research and review articles highlighting current research relevant to environmental, catalytic, renewable biomedical applications energy and nanoparticles.







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Message from the Editor-in-Chief

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