

Special Issue

Advanced Nanomaterials for a Green World

Message from the Guest Editors

A recent report of the European Union is entitled "Closing the circle". In the focus of this report is the concept of circular economy. The change towards a circular economy model is a basic pillar in most research programs, also in the field of research and development of materials. To accomplish this change of paradigm, new materials and approaches are needed in most of the commodity sectors. Keep a safe environment, providing clean water for all the population, while protecting the wild life, fighting against the global warming requires the development of new and more efficient photocatalytic materials, able to degrade the pollutants from air and water, but also materials with a high capacity for energy storage, or materials able to detect different deleterious substances before the non-return point is reached. The aim of this issue is to collect a series of relevant papers on these topics to build a panorama of the current research trends in these topics from a cross-cutting perspective.

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