Special Issue

Nanocomposites for Photocatalysis

Message from the Guest Editors

It is our pleasure to welcome you to our Special Issue on "Nanocomposites for Photocatalysis", for our journal Inorganics. As you all know, photocatalysis has become a key area within the catalysis field. There is a wide range of materials with photocatalytic applications, such as semiconductors as mixed oxides or nanocomposites, semiconductor-based heterojunctions, and many other nanocomposite materials and waste-derived or templated photocatalytic materials. Moreover, a photocatalyst often requires the presence of one or even several so-called co-catalysts to enable the desired chemical conversions. Therefore, we would like to invite you to submit to this Special Issue your explanations regarding the role of nanocomposites for a photocatalytic process.

Other areas for which high-level contributions are needed include—but are by no means limited to—plasmonic photocatalysis, nanocomposite materials, photocatalytic synthesis, solar fuels, theoretical modeling of photocatalytic processes, photoreactor and reaction engineering, non-linear optical effects, decontamination and disinfection, and pilot and full-scale applications.

Guest Editors

Dr. Alejandro Pérez-Larios

Materials, Water and Energy Research Laboratory, Engineering Department, University of Guadalajara Campus Altos, No. 1200, Av. Rafael Casillas Aceves, Tepatitlán 47600, Mexico

Dr. Oomman K. Varghese

Nanomaterials and Devices Lab, University of Houston, Houston, TX 77204, USA

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Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

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