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Nanocomposites for Photocatalysis

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

Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

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.

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Editor-in-Chief

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

Message from the Editor-in-Chief

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.

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Inorganics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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inorganics@mdpi.com
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