



Polymeric Hybrid Nanomaterials for Biomedical and Energy Applications

Guest Editors:

Dr. Sumanta Sahoo

Research Professor, School of
Chemical Engineering,
Yeungnam University, Gyeongsan
38541, Republic of Korea

Dr. Santosh K Tiwari

Scientist, NAWA, Dept. of
Chemistry, University of Warsaw,
02-093 Warsaw, Poland

Dr. Kunn Hadinoto Ong

School of Chemical and
Biomedical Engineering,
Nanyang Technological
University, Singapore 637459,
Singapore

Deadline for manuscript
submissions:

closed (10 July 2023)

Message from the Guest Editors

Dear Academic and Industrial Colleagues,

At present, there is rapid growth regarding innovations in the field of biomedical engineering and energy technologies. High-quality, durable and efficient bioimplants, biocompatible nanomaterials, energy devices for the human body, and flexible electronic are some examples of the inventions which have been commercialized for use. At present, in-depth investigations and efforts are being made to develop smart materials and humanoid robots especially for space exploration and medical utilities. Structural and electronic manipulation within the existing materials and their suitable applications are crucial.

This Special Issue will bring together original research, mini review, research prospect, and comprehensive state-of-the-art articles on polymeric hybrid nanomaterials for biomedical and energy-related applications. It will highlight new synthetic approaches, surface manipulation, and device fabrication for the applications linked to biomedical and energies. We invite all researchers in this field to submit their work related to this topic.

Dr. Kunn Hadinoto Ong

Dr. Sumanta Sahoo

Dr. Santosh K Tiwari

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI