

Special Issue

Nanoparticles for Energy, Sensing and Biomedical Applications

Message from the Guest Editors

We are pleased to invite you to submit manuscripts in the form of full research papers, short communications, or reviews. The “Nanoparticles for Energy, Sensing, and Biomedical Applications” issue will present recent advances in the synthesis of organic, inorganic, or hybrid nanoparticles. This issue is not limited to any nanoparticle fabrication techniques, and all techniques are welcome. The topic of interest includes but is not limited to:

- Energy storage;
- Renewable energy;
- Energy conversion;
- Electrochemical energy applications;
- Environmental contaminant sensing;
- Optical sensing and imaging techniques;
- Sensing proteins and bacteria;
- Sensing and medical diagnostic applications;
- Sensing food-borne contaminations;
- Fluorescent and other bioimaging labels;
- Drug and gene delivery;
- Biodetection of pathogens;
- Detection of proteins;
- Probing of DNA structure;
- Tissue engineering;
- Detection, monitoring, and therapy of cancer;
- Separation and purification of biological molecules and cells;
- MRI contrast enhancement and Phagokinetic studies.

Guest Editors

Dr. Mehmet Yilmaz

Department of Chemical Engineering, Ataturk University, Erzurum, Turkey

Dr. Nagabandi Jayababu

Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon 34141, Korea

Deadline for manuscript submissions

closed (30 June 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/97348

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

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)