



Hybrid and Composite Coatings and Thin Films

Guest Editors:

Assoc. Prof. Ubirajara Pereira Rodrigues Filho

Instituto de Química de São Carlos, Universidade de São Paulo - USP, São Paulo, Brazil

Prof. Sara Aldabe Bilmes

Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Instituto de Química Física de los Materiales, Medio Ambiente y Energía (INQUIMAE), Buenos Aires, Argentina

Dr. Michel Wong Chi Man

Institut Charles Gerhardt Montpellier, Ecole Nationale Supérieure de Chimie de Montpellier - Montpellier, France

Deadline for manuscript submissions:

closed (30 June 2020)

Message from the Guest Editors

Composite coatings are those coatings assembled together or dispersed as minor phases (organic or inorganic) in a major component phase (inorganic or organic) to improve their individual properties. If the minor phase has nanometric dimensions, the coatings are nanocomposites. In the particular case that one or more phases are produced from molecular precursors during the nanocomposite formation and one of them is organic while the other is inorganic, we obtain hybrid inorganic–organic materials.

Nanocomposite coatings, either organic–inorganic or inorganic–inorganic, have excellent properties for anticorrosion, antimicrobial, antifogging, and self-cleaning applications, as well as unique optical properties.

New achievements are rapidly expanding our knowledge in the area, thus leading to promising applications of these materials in different domains of science and technology. Therefore, it is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)