



Thin Films Based on Nanocomposites (2nd Edition)

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Deadline for manuscript
submissions:

closed (10 August 2024)

Message from the Guest Editors

Dear Colleagues,

Following the tremendous success of the first edition of the Special Issue “Thin Films Based on Nanocomposites”, in which a total of 16 papers were published, (https://www.mdpi.com/journal/nanomaterials/special_issues/films) a second edition is being launched.

Nanocomposites have received increasing attention in recent years from both a fundamental scientific research and technological application perspective. One of the hottest current research topics is the design and development of nanocomposites as thin films with tailored properties suitable for applications in different fields. This Special Issue invites authors to contribute with research articles or reviews focused on synthesis, characterization, and/or applications of thin films based on nanocomposites. Potential topics include but are not limited to the following:

- Nanostructured thin films;
- Nanocomposites based on organic and/or inorganic materials;
- Conducting and insulating polymers; natural and synthetic biopolymers;
- Metal oxides, semiconductors, metals, dielectrics, carbon nanostructures.



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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