



## Multifunctional 2D and 3D Nano and Microtextured Interfaces: From Medical to Environmental and Sensing Applications

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Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editor

The design and processing of new interfaces with specific tailored characteristics is of interest to be exploited for advanced applications in nanotechnology that include medicine, sensoristics, microfluidics, catalysis, and environmental science. Therefore, novel induced topographical, chemical, and structural nanofeatures or hierarchical micro- combined with nanofeatures can be used to enhance and impart multifunctional properties of that surface to meet the requirements of the specific applications.

This issue focuses on the fundamentals of multifunctional nanostructured interfaces and their associated technologies, including versatile technologies, which can be used to obtain multifunctional 2D and 3D micro- and nanotextured interfaces for a wide range of applications in the sensing, photocatalytic, and bioengineering areas. We invite researchers to contribute original research articles as well as review articles that investigate the interface processes involving physical and chemical modifications that can be directly correlated and influencing the aimed applications in the biorelated, sensing, and technology fields.





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## Editor-in-Chief

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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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