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Perspective Coatings for Optical Materials Modifications

Guest Editor:

Prof. Dr. Natalia V. Kamanina
1. Vavilov State Optical Institute, Kadetskaya Liniya V.O. 5/2, 199053 St. Petersburg, Russia
2. Department of Photonics, St. Petersburg Electrotechnical University ("LETI"), ul. Prof. Popova 5, 197376 St. Petersburg, Russia
3. Petersburg Nuclear Physics Institute, Part of Kurchatov National Research Center, 1 md. Orlova Roshcha, 188300 Gatchina, Russia

Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editor

Dear Colleagues,

Inorder to extend the perspective approach and scientific idea to modify the surfaces of the inorganic and orgnanic materials with good advantage. Different types of the nano-objects (fullerenes, carbon nanotubes, Au, Ag, Lns, etc. particles) can be deposited at the materials surfaces, which provoke the change in their spectral parameters, refractive, conductive, mechanical, aquastic, and wetting characteristics. Moreover, some types of the particles deposited on the material surfaces can protect them from corrosion. In particular, the topics of interest include, but are not limited to:

- Methosd and approaches to develop the classical and novel coatings;
- Traditionally used and novel materials applied as the perspective coatings;
- Mechanisms responsible for the spectral parameters change;
- Mechanisms regarded to the mechanical characteristics modification;
- Refractive and conductive features of the materials with the novel coatings;
- Wetting peculiaruties of the modified materials;
- Fact of the materials structuration influence on their surfaces.

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Special Issue

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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

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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