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Recent Advances in Functional Nanomaterials

Guest Editor:

**Prof. Dr. Valery N.
Khabashesku**

Department of Materials Science
and Nanoengineering, Rice
University, Houston, TX 77005,
USA

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Message from the Guest Editor

Functional nanomaterials are nanomaterials that fulfill a certain task. For many specific applications, the engineering of multifunctional properties in nanomaterials is highly desirable. Multi-functionality can be introduced by the combination of at least two different physicochemical properties such as, for example, optical (fluorescence) and magnetic. Chemical functionalization of nanomaterials plays important role in engineering and expanding their functional applications. Chemical strategies have become largely accessible for engineering nanomaterial properties that cannot be produced by conventional chemical reactions leading to a large field of applications in biology, medicine, environment, energy, communications, and computer technology. This Special Issue is to provide the state-of-the-art of research on the production, characterization, properties, and broad applications of multifunctional nanomaterials, as well as to cover the current challenges and opportunities in industrial acceptance of the nanomaterials and nanotechnologies.



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Special issue



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Editor-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

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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