

## Novel Thin Film Materials for Biomedical Application

Guest Editor:

**Prof. Dr. Erfan Zal Nezhad**

Thin Film Coating Laboratory,  
Department of Mechanical  
Engineering, Hanyang University,  
Seoul, Korea

Deadline for manuscript  
submissions:

**closed (25 August 2017)**

### Message from the Guest Editor

Dear Colleagues,

Scope of this Special Issue is on thin film coatings for biomedical applications; this includes: Thin film nanocomposite coating over biomaterials to enhance properties, such as mechanical, tribology, biocompatibility, and corrosion resistance, of biomaterials.

In particular, the topics of interest include, but are not limited to

- Biomaterials coating
- Mechanical behavior of biomaterials after coating
- Tribological Properties of thin film deposited biomaterials
- Corrosion resistance of coated biomaterials
- Biocompatibility of nanocomposite deposited over biomaterials

Prof. Dr. Erfan Zal Nezhad

*Guest Editor*



## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

## Contact Us

---

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

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

mdpi.com/journal/coatings  
coatings@mdpi.com  
X@Coatings\_MDPI