

## Polymer Thin Films: From Fundamentals to Applications

Guest Editor:

**Dr. Mohor Mihelčič**

Laboratory of Experimental  
Mechanics, University of  
Ljubljana, Aškerčeva ulica 6, 1000  
Ljubljana, Slovenia

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editor

Dear Colleagues,

Research on polymer thin films is an ongoing process, where basic knowledge about the preparation of coatings formulation and/or complex interactions between the substrate and the coating are the key factors for producing a quality and durable product. The use of polymer thin films is currently implemented in almost every aspect of modern life, due to their cost-efficiency, lightness, flexibility, and unique physical and chemical properties. Polymer thin films are used as coatings that modify and/or increase the functionality of bulk surface or substrate.

The topics of interest for this Special Issue include but are not limited to:

Synthesis of novel polymer thin films;

Correlations and predictions of rheological and mechanical properties of polymer thin films;

Novel polymer thin films;

Novel materials with functional properties, e.g., conductive, optical, tribological, barrier, protective, antifouling coatings;

Relationships between deposition process parameters and polymer thin film microstructure;

New trends in polymer thin films and coatings.





## 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