



## Advanced Ceramic Coatings and Interfaces

Guest Editors:

**Prof. Dr. Sylvester Abanteriba**

School of Aerospace, Mechanical  
and Manufacturing Engineering,  
RMIT University, Melbourne,  
Australia

**Dr. Subir Ghosh**

School of Aerospace, Mechanical  
and Manufacturing Engineering,  
RMIT University, Melbourne,  
Australia

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

We welcome contributions to the Special Issue on Advanced Ceramic Coatings and Interfaces for the journal, *Coatings* (ISSN 2079-6412). Contributions should cover general aspects of this topic, for example, coatings production concepts and latest methods of application resulting in component life extension. Modelling of coating failure mechanisms, efficacy of protection and coatings and coatings' integrity; integrity would also be appreciated, as well as the evaluation of mechanical and thermal properties of coating materials. In summary, we envisage the papers will cover both practical activity and theoretical modelling.

All manuscripts will be peer reviewed and those accepted will be published immediately online in an ongoing fashion in this Special Issue.

Prof. Dr. Sylvester Abanteriba

Dr. Subir Ghosh

*Guest Editors*





## 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 asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research 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 (*Physics, Applied*) / CiteScore - Q2 (*Surfaces, Coatings and Films*)

## Contact Us

---

Coatings Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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