

Coatings for Advanced Devices

Guest Editor:

Prof. Dr. Xu Long

School of Mechanics, Civil
Engineering and Architecture,
Northwestern Polytechnical
University, Xi'an 710072, China

Deadline for manuscript
submissions:

20 January 2025

Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your work to this Special Issue on “Coatings for Advanced Devices.

The editors of the journal and the Special Issue will be glad to consider papers in all areas related to new approaches in the formation of coating and plating and its interface reaction the emerging Pb-free solder, TLP bonding, and sintering of metal particles such as Ag and Cu, and their high temperature evolution with desired properties, as well as research and applications. The Special Issue covers coating and plating for bonding, joining, surfaces, and interface reaction in the broader sense. Topics of interest include but are not limited to:

- Coatings and plating for WBG power device packaging;
- Interface and surface reaction for joining materials;
- Processes for coating deposition and modification;
- Characterization of plating films;
- Coatings and plating for high temperature application;
- Applied surface science;
- Fundamental and functional properties of surface and interfaces.



mdpi.com/si/97860

Special Issue

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 (*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