

Special Issue

Laser-Assisted Processes and Thermal Treatments of Materials

Message from the Guest Editors

We are launching this new Special Issue of *Coatings* that will collect original research articles and review papers. The theme of this Special Issue focuses on obtaining/characterizing/applying coatings that include thermal treatment (cooling or heating) or a laser-assisted process. In the volume are targeted studies of materials for coatings that in the obtaining stage use heat/cooling treatment or laser-assisted processes or are obtained directly by combustion. Materials for coatings characterized in terms of heating or cooling behavior, e.g., Differential Thermal Analysis, Differential Scanning Calorimetry, Thermal Mechanic Analysis, measurements in the cryogenic environment are included. Materials characterized by Dynamic Light Scattering or materials for applications as lasers (glasses or oxides) can be published. New manufacturing technologies covering different materials, such as 3D Printing, Selective Laser Sintering, Rapid Prototyping, Rapid Thermal Annealing, Chemical Vapor Deposition, E-Gun Technology, RF Sputtering are welcome.

Guest Editors

Dr. Oana Catalina Mocioiu

Institute of Physical Chemistry "Ilie Murgulescu", 202 Splaiul
Independenței, 060021 Bucharest, Romania

Dr. Ana-Maria Mocioiu

National Research & Development Institute for Non-ferrous and Rare
Metals-INCDMR- IMNR, 102 Biruinței Blvd, Pantelimon, 077145 Ilfov,
Romania

Deadline for manuscript submissions

closed (31 January 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/105102

Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



About the Journal

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.

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

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, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)