

Functional Layers in Thin Film Photovoltaics and Solar Energy

Guest Editors:

Prof. Dr. Francisco De Moure-Flores

Chemical Faculty, Autonomous
University of Queretaro,
Queretaro 76010, Mexico

Dr. Angel Guillén Cervantes

Physics Department, Centro de
Investigación y Estudios
Avanzados del IPN, CDMX, P.O.
Box 14-740, Mexico City CP
07360, Mexico

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

The present issue aims to consolidate recent findings related to thin film photovoltaics and solar energy and to provide an opportunity for researchers to publish the latest results, reviews, methodology, and failure case reports to understand or solve problems in thin film photovoltaics and solar energy. We welcome the submission of original, high-quality papers and critical reviews.

The scope of this Special Issue includes but is not limited to the following areas:

- Thin films, obtained by several techniques, for photovoltaic applications.
- Optical properties of materials.
- Organic and inorganic solar cells.
- Photoelectrochemical applications.
- Physical and chemical properties including modeling of functional coatings for photovoltaics and solar energy.

We look forward to receiving your contributions.



mdpi.com/si/159434

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 (*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