



Feature Papers of Coatings for Energy Applications

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Message from the Collection Editor

Dear Colleagues,

We are pleased to announce this Special Issue entitled “Feature Papers of Coatings for Energy Applications”. This Special Issue aims to cover manuscripts combining rigorous coating technology development with novel applications in energy-related fields. We welcome contributions that provide clear improvements in designing, understanding, integrating, and developing energy production/storage coatings. Topics of interest include, but are not limited to:

- Printable, tailored or nanostructured coatings for:

- Hydrogen production/storage;
- Photovoltaic materials (solar cell materials, solar absorbers, etc.);
- Photocatalytic coatings;
- Fuel cells/batteries;
- Supercapacitors;
- Electrochemically stable electrodes/coatings;
- Catalytically active coatings;
- Thermo/electrochromic coatings;
- Thermoelectric materials;
- Smart materials;
- Wind, geothermal, and wave energy application.

- Theoretical studies on protective coatings in energy fields.

- Mechanical and tribological aspects of active coatings.

- Functionally graded composites/nanocomposites.





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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.

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