

Special Issue

Manufacturing and Surface Engineering III

Message from the Guest Editor

The desired properties of surface components include the improvement of different properties, such as aesthetic appearance, oxidation resistance, wear resistance, mechanical properties, electronic or electrical properties, thermal insulation, and corrosion resistance through barriers. These properties can be enhanced using different methods, such as by adding a coating. Nevertheless, the bulk of the material or substrate cannot be considered independent of the surface treatment. Potential topics for this Special Issue include, but are not limited to, the full range of surface engineering aspects, i.e., surface integrity, contact mechanics, friction and wear, coatings and surface treatments, multiscale tribology, computational methods, and optimization techniques applied in surface engineering. Contributions to this Special Issue are welcomed on all subjects of manufacturing and surface engineering. We especially welcome are papers that raise new questions and new possibilities, or examine old problems from a new angle.

Guest Editor

Prof. Dr. Alicia Esther Ares

1. Facultad de Ciencias Exactas, Químicas y Naturales (FCEQyN), Universidad Nacional de Misiones (UNaM), Posadas N3300LQD, Argentina
2. Programa de Materiales y Fisicoquímica (ProMyF), Instituto de Materiales de Misiones (IMAM-CONICET), Posadas N3300LQD, Argentina

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

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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

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