

Special Issue

Recent Advances in Polymer/2D Material Nanocomposite Films and Coatings

Message from the Guest Editors

This Special Issue will report the latest research and outcomes in epoxy/2D material nanocomposite films and coatings. Original research papers, communications, and reviews are welcome. It will include but not be limited to the following research areas:

- Research on epoxy/2D material composite films;
- Mathematical and computer models, and simulation results to underpin the structure–property relations of epoxy/2D material nanocomposites under different scenarios;
- Experimental results of epoxy/2D material films towards potential applications, including energy storage and solar energy devices, thermal management and flexible electric conductors, and epoxy composite coatings for flame retarding and antifouling applications, to name a few;
- Smart epoxy/2D material films as sensors;
- Functionalization, hybridization, and synergistic effect between 2D materials for high performance epoxy/2D material composite films;
- The latest research on synthesis routes and testing techniques to achieve a scalable and cost-effective production method to transfer technology from lab scale to industry level.

Guest Editors

Dr. Sherif Araby

Prof. Dr. Tahar Laoui

Prof. Dr. Qingshi Meng

Deadline for manuscript submissions

closed (30 April 2021)



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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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