

Special Issue

Current Trends in Coatings and Films for Optical Sensors

Message from the Guest Editors

We are pleased to invite you to submit papers on the latest trends in coatings and films for optical sensors. This topic is of great importance in various industries, including healthcare, automotive, and aerospace, where the development of high-performance optical sensors is essential for continued progress. Papers that explore new coating materials, enhanced functionality, improved sensitivity and selectivity, increased durability, and sustainable coating materials are highly encouraged. We welcome original research, review articles, and case studies that contribute to the advancement of knowledge in this field. The main points for the topic of interest includes but are not limited to:

- gas sensing coatings
- volatile organic compound (VOC) sensing coatings
- metal-organic framework (MOF) coatings
- nanoparticle coatings
- polymer coatings
- composite coatings
- multi-layer coatings
- anti-corrosion coatings
- anti-static coatings
- anti-icing coatings
- selectivity
- durability
- wear resistance

We look forward to receiving your submissions and thank you for your contributions to the field of coatings and films for optical sensors.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)



Coatings

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Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/171898

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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.

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