

## Special Issue

# Surface Properties and Modification of Implanted Materials

### Message from the Guest Editors

Implantable materials play a crucial role in modern medicine, providing solutions for the repair, replacement, and enhancement of damaged tissues. Bacterial adhesion and subsequent biofilm formation on implant surfaces can lead to infection, implant failure, and chronic inflammation, presenting a significant challenge in implantology. To address these challenges, surface modification techniques have been developed to improve antibacterial properties, enhance biocompatibility, and promote tissue integration. This Special Issue of *Coatings* will comprise original research articles and review papers that explore the latest advancements in the surface modification of implantable materials. Topics of interest include, but are not limited to, antimicrobial coatings, bioactive surface modifications, and innovations in material treatments for dental, orthopedic, and cardiac implants.

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### Guest Editors

Dr. Mahdi Mutahar  
Prof. Dr. Gordon Blunn  
Prof. Dr. Marta Roldo  
Dr. Roxane Bonithon

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### Deadline for manuscript submissions

20 September 2026



## Coatings

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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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### Editors-in-Chief

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