

## Special Issue

# Advanced Coatings for Corrosion Protection

### Message from the Guest Editor

In recent years, the very traditional field of coatings for corrosion protection has gained a deeper understanding of the mechanisms of protective action and corrosion mechanisms of and under protective coatings. This has also led to a large amount of research in the field of advanced coating systems for corrosion protection.

This situation is the case for all the different types of protective coatings that are typically used. Novel metallic coatings are under development as well as novel pretreatment systems or passivating chemicals that avoid the use of chromates. The rise chemical nanotechnology has fostered the development of hybrid or inorganic sol-gel coatings, as well as nanoparticles and nanocapsules to be used as fillers in coating systems. Furthermore, today, bio-based substances are increasingly used for organic coatings. Last but not least, new anodizing processes have also been developed in the frame of increased use of light metals for lightweight construction.

It is my pleasure to invite you to submit a manuscript on any of these types of advanced coatings for corrosion protection for this Special Issue.

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### Guest Editor

Prof. Dr. Wolfram Fürbeth  
DECHEMA Research Institute, Theodor-Heuss-Allee 25, 60486  
Frankfurt am Main, Germany

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### Deadline for manuscript submissions

closed (31 May 2020)



## Materials

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editorial Board

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### Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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