

## Special Issue

# Road Pavements for Reduction of Climate and Safety Risks

### Message from the Guest Editors

Dear colleagues, The condition of the pavement surface affects deeply the road safety. In this condition, the texture and porosity of the surface course help to provide a path to channel water away from tires and to reduce the hydroplaning phenomenon as well as the splash and spray effect. This Special Issue will present the most recent research advances in this field, to evaluate how these results can improve functional and structural performances of pavement surface coatings in response to climate and safety risks. In particular, the topics of interest include, but are not limited to the following:

- Methods and techniques for road pavement design, construction, maintenance, rehabilitation, and management;
- Use of innovative and/or recycled materials in road surface treatments for road maintenance and safety;
- Pavement surface characteristics and performances;
- Characterization of the pavement surface using innovative techniques;
- Pavement-vehicle interaction and safety issues;
- Methods and techniques for the study of climate change adaptation for road pavements.

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### Guest Editors

Prof. Dr. Valeria Vignali

Dr. Claudio Lantieri

Prof. Dr. Nicola Baldo

Prof. Dr. Zhuangzhuang Liu

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### Deadline for manuscript submissions

closed (31 December 2021)



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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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