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Novel Green Pavement Materials and Coatings

Guest Editors:

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Deadline for manuscript submissions:
closed (28 February 2024)

Message from the Guest Editors

Dear Colleagues,

Compared with traditional pavement materials, novel green pavement materials will be more environmentally friendly, and will improve in function. Pavement materials will be improved according to the specific requirements of the road. Novel green pavement materials give different functions to the traditional pavement materials, which are used in different occasions and environments with different demands, and make more significant contributions to the safety, comfort and higher service quality of the road pavement. Therefore, novel green pavement materials are increasingly widely considered and applied. This Special Issue will provide a platform with advantages of environmental friendliness and low energy consumption for novel pavement technology, and has theoretical significance and application value. Specific topics of interest include, but are not limited to, the following:

- cement concrete pavement
- asphalt pavement
- pavement surface treatments
- pavement materials evaluation
- coating and repair materials in pavement
- anti-icing in pavement
- superhydrophobic coating

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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