

Asphalt Pavement Materials and Surface

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Message from the Guest Editors

Dear Colleagues,

Over the past decades, asphalt pavement materials and design guides have developed dramatically and, as a consequence, material behaviors and the pavement response has changed significantly. In this case, new methods and research are needed to discover the service behavior of the materials and surface. This Special Issue focuses on the asphalt materials and surface. The particular topics of interest for this Special Issue include but are not restricted to:

- Modification technology of asphalt binder
- Aging and recycling of asphalt binder
- Interfacial characterization of asphalt materials
- Numerical modeling of interfacial asphalt-aggregate systems
- Multiscale study on adhesion and moisture damage of asphalt surface
- Warm and cold mix asphalt materials
- Smart pavement materials and structures
- Pavement monitoring and smart roads
- Performance evaluation and prediction



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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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