

## Special Issue

# Nano-Modified Asphalt Binders and Mixtures to Enhance Pavement Performance

### Message from the Guest Editors

The modification of asphalt binders with nanomaterials seems to be very promising to enhance the performance and durability of the asphalt concrete forming the core layers of flexible pavements. The nanomaterials were revealed to be very effective modifiers of other materials, being particularly attractive for the enhancement of a more effective asphalt binder polymerization.

The Special Issue will be a source of information on the progress on the performance and durability of nano-modified asphalt binders and mixtures, as well as experimental techniques dedicated to binder modification and characterization. Potential topics include, but are not limited to:

- Nanomaterials suitable for asphalt binder modification
- Characterization of nano-modified binders
- Mechanical performance of nano-modified asphalt mixtures
- Evaluation of the durability of nano-modified asphalt
- New techniques for binder and mixture characterization
- Life cycle assessment of nano-modified asphalt materials.

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### Deadline for manuscript submissions

closed (29 February 2020)



## Applied Sciences

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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