

## Special Issue

# Innovations in Binder and Asphalt Mixture Rheology

### Message from the Guest Editor

This Special Issue "Innovations in Binder and Asphalt Mixture Rheology" aims to highlight innovative approaches, recent advancements, and emerging research trends in the rheology of binders and asphalt mixtures. By focusing on innovation in rheological characterization and performance evaluation. Topics of interest for this Special Issue include, but are not limited to, the following:

Rheological characterization: novel techniques and tools for evaluating the rheological behavior of asphalt binders and mixtures;

Additives and modifiers: the impact of innovative additives and modifiers on rheological performance and overall material behavior;

Aging and durability: insights into aging mechanisms and their influence on the long-term rheological properties and durability of asphalt materials;

Recycling and sustainability: rheological assessment of recycled and sustainable materials in asphalt technologies;

Field performance correlations: linking laboratory rheological data with in-service performance and pavement longevity.

We welcome your contributions to this Special Issue and look forward to showcasing cutting-edge research in this important field.

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### Guest Editor

Dr. Joao Victor Staub De Melo

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### Deadline for manuscript submissions

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## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

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

Prof. Dr. Giulio Nicola Cerullo  
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