

Special Issue

Sustainable Asphalt Binders for Roads

Message from the Guest Editor

This Special Issue on Sustainable Binders for Roads aims to collate original research and review articles on sustainable asphalt binder in the fields of highway engineering and pavement technology. Research articles on a wide variety of subjects, including the development of bio-binders, the characterization of new binders, the field performance of pavements constructed with new binders, the use of recycled asphalt binder, the chemistry of alternative binder, and morphological characterization of binder, are invited for this issue. All papers should conform to the theme of the sustainability. Potential topics include, but are not limited to, the following:

- The rheological properties of bio-binders for asphalt pavements;
- The chemistry of alternative binders relevant to pavement performance;
- Asphalt Mix design with alternative binders;
- Field studies with high amount of RAP;
- Pavement performance;
- Testing protocols for new binders and asphalt mixtures.

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2024)



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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