

Special Issue

Advances in Regenerated Asphalt Mixtures

Message from the Guest Editors

The recycling of asphalt mixtures has significant contributions towards the reduction in greenhouse gasses, pollution, natural resources and energy consumption. Sustainable road materials and technologies can provide a powerful boost to “carbon-neutral strategies”, and so it is crucial to continue moving forward towards improving these technologies and theories. This Special Issue will cover new findings in the field of regenerated asphalt mixtures, including the high-content regeneration of RAP, cold recycling technologies, regenerated mechanisms, eco-regenerating agents and anti-aged materials. Additionally, novel materials, fast maintenance technologies and functional materials are also encouraged in this Special Issue, such as bio-asphalt materials, intelligent transportation, self-healing technologies, solid waste resource applications, numerical simulations, smart road materials and technologies, etc. Topics related to new experimental and theoretical studies regarding these fields are highly welcome in this Special Issue. We are pleased to invite you to submit your research and related papers to us.

Guest Editors

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Dr. Yangming Gao

Deadline for manuscript submissions

closed (20 January 2023)



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About the Journal

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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