Special Issue

The Evaluation and Characterization of Asphalt and Concrete

Message from the Guest Editors

Asphalt and concrete have been the most widely used construction materials all over the world for decades. The continuous development of asphalt (e.g., polymer-modified bitumen; additives that improve the properties of asphalt) and concrete technology (e.g., high-strength concretes and fibre-reinforced concrete) creates new possibilities for the design and utilization of structural members. Moreover, nowadays, the increasing challenge in the construction materials industry is to reduce its environmental impact, which can be achieved by reducing the cement content in mixtures by using warm-mix asphalt and secondary raw materials such as recycled aggregates or alternative binders. Since the knowledge of new possibilities, but also of limitations, is required, there is now an unabated interest in the investigation of asphalt and concrete materials. For these reasons, the aim of this Special Issue is to gather the latest findings from researchers to show the latest advances and trends in characterisation and evaluation of asphalt and concrete materials.

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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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