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Special Issue Reprint

Green Asphalt Materials

Edited by: Qian Chen, Xiaolong Sun, Tao Wang and Guoqiang Sun

With the continuous development of social civilization and the gradual improvement in the level of road engineering construction, humans have more pressing demands for road service function, green construction and guaranteed safety. Asphalt is the world's most commonly used material in the construction of pavement engineering and coatings. Since entering the 21st century, the emergence of new functional materials and the development of interdisciplinary methods have provided strong support for the design and construction of all kinds of green asphalt materials. In the past few decades, the composition and properties of asphalt paving materials have changed dramatically with corresponding consequences. The development of green, sustainable, and functional materials is a new challenge that researchers all over the world are facing to tackle the aforementioned needs. At the same time, it is also the frontier for the direction and development of road engineering as a discipline. To this end, scholars around the world have carried out a breadth of in-depth research on the novel green asphalt materials and applied technologies, and a number of important innovative results have been achieved. This Special Issue highlights the latest trends in novel green asphalt materials with special functions. The contributions of these studies will guide the development and direction of functional asphalt materials.

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