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Special Issue Reprint

Recent Development in Novel Green Asphalt Materials for Pavement

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With the continuous development of social civilization and the gradual improvement in the level of road engineering construction, there are more urgent requirements for road service functions, including green construction and safety guarantees. 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 the interdisciplinary concept have provided strong support for the design and construction of all kinds of green asphalt materials. In recent decades, the composition and property of asphalt paving materials have dramatically changed and, consequently, the development of green, sustainable, and functional materials is a new challenge that researchers are facing globally in order to tackle the aforementioned needs. At the same time, it is also the foremost direction for advancement in the development of road engineering discipline. As a result, scholars around the world have carried out a lot of in-depth research on novel green asphalt materials and applied technologies, and a number of important innovative results have been achieved. This Special Issue shall highlight the latest trends in novel green asphalt materials of special function. The studies included in this Special Issue will help guide the development direction of functional asphalt materials.

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