



materials



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Developments of Steels and Alloys for Structural and Functional Applications

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Message from the Guest Editors

Steel and its alloys form the largest group of engineering materials. Their desirable mechanical and physical properties are their principal attributes. Modern construction must meet the function for which it has been made and be safe and cost-effective to maintain. To accomplish the above, a structure's design should seek the best possible solution. Such a design is usually based on the optimal material mechanical, physical, and chemical parameters. In order to select the optimal material for the manufacture of structural elements, it is necessary to have data on the behavior of the material in different conditions. This Special Issue will focus on experimental research and analysis of steel, and in particular, the topics will touch on not only experimental findings, but also microstructural and mechanical investigations, surface properties, numerical approaches, and analytical models for mechanical behavior.



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Special Issue



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Message from the Editor-in-Chief

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