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Refining and Casting of Steel

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Message from the Guest Editors

Steel is the most requested material all over the world during the past fast technically evolving centuries. As our civilization grows and its technological development is connected with more demanding processes, it is more and more challenging to fit required physical and mechanical properties for steel in its huge portfolio of grades for each steel producer. It is necessary to improve the refining and casting processes continuously to meet customer requirements and lowering the production costs to stay competitiveness.

In this Special Issue, we seek to provide a broad set of the state-of-the-art researches of steel refining and casting. Articles on the ladle refining, vacuum processing, micro cleanness of steel, non-metallic inclusion management, slag optimization, continuous casting, ingot casting, and numerical and physical simulation of mentioned processes are welcome.











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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure - disciplines in metallurgical field the ranging from processing. and mechanical behavior. phase transitions microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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