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Study on Advanced Metal Matrix Composites

Guest Editors:

Prof. Dr. Wenshu Yang

School of Materials Science and Engineering, Harbin Institute of Technology, Harbin, China

Dr. Chang Zhou

State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, Beijing, China

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Message from the Guest Editors

Dear Colleagues,

In the past decade, attributed to the mature design theories, advanced fabrication methods and characterization techniques, the research and application of metal matrix composites have greatly advanced. The recent development in multi-scale hierarchical and bio-inspired design principles makes strong and tough metal matrix composites possible. The development of nano-materials and advance ceramics provides more reinforcements with specific performance. The continuous progress in characterization techniques reveals the relationships among the microstructure, processing and properties of the metal matrix composites, especially on a nano-scale level, and the sophisticated preparation methods of metal matrix composites bridge the fundamental theory and industrial application.

This Special Issue aims at covering recent progress and new developments in relationships between the microstructure and mechanical/thermo-physical properties of advanced metal matrix composites. It is our pleasure to invite you to submit your exceptional manuscripts for publication in this Special Issue.



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Special Issue



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Editors-in-Chief

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1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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