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# **Energy Field-Assisted Metal Forming**

Guest Editors:

### Dr. Siliang Yan

School of Material Science and Engineering, Hefei University of Technology, Hefei 230009, China

### Dr. Tao Huang

School of Materials Science and Engineering, Henan University of Science and Technology, Luoyang 471000, China

### Dr. Miao Meng

School of Material Science and Engineering, Hefei University of Technology, Hefei 230009, China

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# Message from the Guest Editors

Dear Colleagues,

Metal forming is an important area in the field of modern engineering. By processing metallic materials, the shape, microstructure, and comprehensive properties of the material can be altered, enabling it to be more suitable for different engineering applications. Therefore, studying the forming of metals provides important guidance for the design and manufacturing of new high-performance integral components.

The recent thriving energy field-assisted forming technique, to activate unregular multi-scale effects during the plastic deformation process, has been found to be a promising methodology in driving directional microstructure evolution.

This Special Issue focuses on the energy field-assisted forming processes of metallic materials, including, but not limited to, the energy effect of materials, electrically assisted forming, ultrasonic vibration-assisted forming, electromagnetic forming, energy-assisted treatments such as electromagnetic shocking and coupled electromagnetic treatment, and the microstructure and property changes of materials during these processes. Research contributions and review articles in these fields are all welcome.







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# **Editor-in-Chief**

#### Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

### Message from the Editor-in-Chief

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*Materials* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/materials materials@mdpi.com X@Materials\_Mdpi