Special Issue

The Advanced Manufacturing Technologies of Metal Gears

Message from the Guest Editors

Metal gears can serve a long life even in the case with high speed and heavy load, and their applications are directly affected by the manufacturing technologies. With the increasing requirements for high performance, the manufacturing technologies are also put forward to achieve the high efficiency, accuracy, and strong mechanical properties. This Special Issue focuses on the recent advanced manufacturing technologies in the field of metal gears. The purpose is to improve the quality and competitive advantage of metal gears and meet the high requirements of gear products by attracting many experts and scholars to develop the advanced technologies in the same field. Potential topics for this Special Issue on metal gears include, but are not limited to, the following aspects:

- Efficient or accurate manufacturing processes;
- Hybrid manufacturing processes;
- Surface integrity of tooth;
- Anti-fatigue manufacturing technologies;
- Intelligent manufacturing;
- The collaboration between manufacturing and design, analysis, assembly, or others.

Guest Editors

Dr. Yuansheng Zhou

Dr. Wen Shao

Prof. Dr. Chaosheng Song

Prof. Dr. Shuai Mo

Deadline for manuscript submissions

closed (15 December 2024)



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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/135501

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials





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Impact Factor 3.2 CiteScore 6.4 Indexed in PubMed





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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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

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