

Special Issue

Polymer Composites for Tribological Applications

Message from the Guest Editor

The purpose of this Special Issue is to discuss the new results obtained in the following topical research areas:

(i) Development of advanced wear models for polymer composites, and the verification of numerical simulation results versus the data of experimental studies; (ii) Development of advanced composite materials with enhanced tribological properties with a comprehensive study of their structure and tribomechanical properties; (iii) Construction of a generalized multi-level approach to the design of polymer composites, based on the solution of connected problems of structure formation and adaptive response under tribological loading.

Keywords

- polymer composites
- wear
- materials design
- multiscale simulation

Guest Editor

Prof. Dr. Sergey Panin

Laboratory of Mechanics of Polymer Composite Materials, Institute of Strength Physics and Materials Science of Siberian Branch of Russian Academy of Sciences, 634055 Tomsk, Russia

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

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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

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

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