Special Issue

Advances in Clinching Technology for Joining of Different Materials, Exploitation, and Strength-Testing Methods

Message from the Guest Editors

Joining by pressing is effective for assembly materials with significantly different mechanical properties. Joining materials, especially with different mechanical properties, requires an individual approach to choosing the tool shape and geometry. Hence, in literature, many studies on using clinching technologies for joining materials with different properties, thickness, and combinations can be found. This Special Issue includes original research and review works regarding the aspects of joining technologies for steel, non-ferrous metal alloys, composites, hybrid materials, and other modern materials. This edition will allow to present the newest achievements related to joints strength tests, with the corrosion resistant, and with new developments in clinching technologies. Hence, new information about the trends in clinching systems applications for joining new materials with different physical and chemical properties will be included. The aspects of different environmental and strength tests conditions will be presented.

Guest Editors

Prof. Dr. Jacek Mucha

Dr. Lubos Kascak

Dr. Francesco Lambiase

Deadline for manuscript submissions

closed (28 February 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/20578

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)