

Special Issue

Characterisation and Testing of Materials: Advancing the State of the Art

Message from the Guest Editor

This Special Issue of *Materials* seeks to capture a broad overview of the latest advancements in a variety of areas related to the characterisation and testing of materials. We particularly encourage the submission of articles that explore the integration of AI and computational methods with traditional characterisation techniques. We also welcome submissions from any materials-related discipline, regardless of the specific techniques applied. Topics of particular interest include the following:

- Additive manufacturing
- Nanoscale characterisation techniques
- The application of AI and computational methods
- In situ testing
- Standards and regulations
- Sustainability
- Clean energy
- The hydrogen economy

The editorial team encourages researchers working in all areas of materials science and engineering to contribute to this Special Issue, as long as the work has a strong focus on characterization and testing. We do not require all work to be fully mature; rather, we welcome breaking and new developments. All papers will be reviewed by expert referees and will be published in this Special Issue of *Materials*.

Guest Editor

Dr. Andrew Spowage

School of Engineering and Materials Science, Queen Mary University of London, London E1 4NS, UK

Deadline for manuscript submissions

closed (10 February 2024)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/178107

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

[mdpi.com/journal/
materials](https://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](https://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)