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Electrical and Mechanical Properties of Geomaterials

Guest Editor:

Prof. Vassilis Saltas
vsaltas@chania.teicrete.gr

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Message from the Guest Editor

The electrical and mechanical behavior of geomaterials is quite complex due to the number of parameters affecting them, such as mineralogical composition, porosity, saturation with fluids and their interaction with the matrix, and the different thermodynamic conditions of temperature and pressure. It is noteworthy that special experimental facilities have been developed to study them under extreme conditions of temperature and pressure.

The potential topics of the Special Issue include but are not limited to the following:

- Complex electrical-dielectric properties;
- Conduction mechanisms;
- Nano- and micromechanical properties;
- Elastic properties and deformation characteristics;
- The correlation between electrical and mechanical properties;
- Advanced monitoring techniques;
- The modelling of geomaterials.

Review articles on the recent advances in the electrical and/or mechanical properties of geomaterials and related measuring techniques are also welcome.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Associate Dean—Research and Graduate Studies, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, Room 313, 3775 University Street, Montreal, QC, H3A 2B4, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

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CiteScore (2018 Scopus data): **3.26**, which equals rank 97/439 (Q1) in 'General Materials Science'.

Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
@Materials_Mdpi