Special Issue

Recent Advances in Printed and Flexible Electronics in the Field of Environmental Sensors Technology and System

Message from the Guest Editors

This Special Issue is suited for both academic and industrial contributions centered in flexible and printed electronics applied to environmental technology. Potential topics include but are not limited to:

- Synthesis and characterization of 0D to 3D printable materials for sensing and actuating applications;
- Integration of nanomaterials in sensors: novel structures, stacking of layers, flexible layers, etc.;
- Functionalization of nanomaterials for measuring target magnitudes;
- Chemi-resistive and chemi-capacitive environmental sensors;
- Fabrication technologies for printed sensors;
- Fabrication technologies for flexible electronic devices;
- Characterization of novel materials for environmental monitoring;
- Demonstrations of potential applications and prototypes of instruments based on printed and flexible electronics environmental sensors;
- Theoretical studies and modelling of environmental sensor technology and systems.

It is our pleasure to invite you to submit a manuscript to this Special Issue, which provides an excellent opportunity to publish your latest advances in this research field. We look forward to your contributions and fruitful discussions.

Guest Editors

Dr. Almudena Rivadeneyra

Pervasive Electronics Advanced Research Laboratory (PEARL), Department of Electronics and Computer Technology, University of Granada, Granada, Spain

Prof. Dr. Encarnación Castillo

Department of Electronics and Computer Technology, University of Granada, 18071 Granada, Spain

Deadline for manuscript submissions

closed (20 March 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/82169

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

MDPI

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)