processes

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

CITESCORE 5.1

New Trends in Electrochemical Detection

Guest Editors:

Dr. Younes El Kacimi
Advanced Materials and Process Engineering, Ibn Tofaïl University, Kenitra 14000, Morocco

Dr. Khaoula Alaoui
Advanced Materials and Process Engineering, Ibn Tofaïl University, Kenitra 14000, Morocco

Deadline for manuscript submissions:
closed (10 May 2024)

Message from the Guest Editors

This Special Issue is dedicated to the challenges and rapid progress in electrochemical detection. Electrochemical methods and low-cost sensors are attractive analytical tools for field detection. These are considerable challenges that our present world is not ready to fulfill with its current technologies. New technologies will have to be envisioned for the efficient management of the considerable fluxes required, and to this end, electrochemistry seems to provide some of the most promising and versatile approaches. Electrochemistry will be involved in solar cells and electrolytic cells to produce hydrogen through water electrolysis or the reductive recycling of carbon dioxide, supercapacitors, and batteries for the storage of electricity produced intermittently by solar cells and windmills, in the use of electrons as chemical reagents, and so on. Progress is also observed for manufacturing process quality monitoring, health diagnostics, environment analysis and chemical process control.

processes

IMPACT FACTOR 2.8

CITESCORE 5.1

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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), Ei Compendex, Inspec, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
𝕏@Processes_MDPI