IMPACT FACTOR
3.5

CITESCORE
4.7

Application of Computational Techniques in Analytical Chemistry and Molecular Systems

Guest Editor:

Dr. Xue Yong
Department of Chemistry, The University of Sheffield, Sheffield S3 7HF, UK

Deadline for manuscript submissions:
30 September 2024

Message from the Guest Editor

The aim of this Special Issue is to provide a platform for the exchange of knowledge, ideas, and breakthroughs at the intersection of computational science and analytical chemistry. We seek abstract submissions that encompass a wide spectrum of topics, including but not limited to the following:

1. Molecular modeling and simulations for drug discovery and development.
2. Computational methods for the analysis of complex biomolecular systems.
3. Machine learning and artificial intelligence applications in analytical chemistry.
4. Quantum chemistry approaches to elucidate molecular behavior.
5. Big data analytics for high-throughput chemical analysis.
6. Computational advances in spectroscopy and mass spectrometry.
7. Chemoinformatics and bioinformatics in chemical analysis.
8. Computational methods for material characterization and nanotechnology.
9. Predictive modeling and data-driven approaches in analytical instrumentation.
10. Innovative software tools and algorithms for analytical chemistry.

Special Issue

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