



New Trends in Production and Applications of Metal Radionuclides for Nuclear Medicine

Guest Editors:

Dr. Licia Uccelli

Dr. Alessandra Boschi

Dr. Petra Martini

Deadline for manuscript
submissions:

closed (30 November 2019)

Message from the Guest Editors

Nuclear Medicine is one of the most important imaging modalities and therapeutic approaches for the treatment of many critical diseases. The success of nuclear medicine in clinics has been linked to the availability of new radionuclides and the discovery of new radiopharmaceuticals. The field of radiopharmaceuticals is constantly evolving. In particular, the use of radiometals has experienced a great increase as a result of the development of radionuclides production technologies. Their employment in all Nuclear Medicine branch (SPECT/PET diagnostic, therapy and theranostics) is regulated by their physical characteristics, such as half-life, radiation emission energy and type (γ , β^+ , β^- , auger, α), availability and chemical ability to coordinate with ligands.

You are cordially invited to contribute to this Special Issue. Areas of interest include, but are not limited to:

- Radiometals production/separation
- Radiopharmaceuticals synthesis automation
- Theranostics radiopharmaceuticals
- Multimodality imaging radiopharmaceuticals
- Innovative radio-probes for nuclear imaging or therapy
- Individualized Dosimetry for Theranostics





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

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

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)