

Special Issue

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

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 (α , β^+ , β^- , auger, γ), 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

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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.

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