

## Special Issue

# X-ray Spectroscopy in Life Sciences

### Message from the Guest Editor

The rapid development of X-ray techniques in recent years, have given new perspectives on the studies in life sciences. Trace elements which play an essential role in biological processes can be detected by the fluorescence of X-rays. The structure of biomolecules is revealed using detailed X-ray diffraction data. Phase-contrast X-ray imaging provides precise visualization of joints like knee and hip with simultaneous detail of the underline bone. Cancer diagnosis and subsequent clinical decision on therapy as well as treatment monitoring are assisted by radiographs and computed tomography. This special issue wishes to depict the role of X-rays spectrometry techniques as well as their recent advances on the characterization and study of biological systems. Manuscripts dealing with X-ray imaging techniques applications on the study of biomolecules, tissues, trace elements, diseases and their diagnosis are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 December 2023)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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