

Special Issue

Molecular Mechanisms and Applications of Spectrophotometric Determination

Message from the Guest Editor

Modern chemistry has a powerful arsenal of analytical methods to solve a wide range of problems related to the environment, biochemistry, medicine, technology, agriculture, and everyday life, one of which is UV-Vis spectrophotometry. The main advantages of this method are simplicity, speed, low cost, the preservation of the sample, and availability in almost every chemical laboratory. Its specific areas of application include but are not limited to DNA/RNA purity checks, quality control in industry, environmental monitoring, bacterial culturing, and drug identification. An important aspect of UV-Vis spectrophotometry is its applicability as a convenient tool for understanding the molecular mechanisms of various processes.

The proposed Special Issue (SI) aims to highlight essential issues related to UV-Vis spectrophotometric determinations and reaction mechanisms at the molecular level. It is my pleasure to invite you to submit a manuscript for this SI. Full papers, briefs, and reviews are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2025)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*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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