

Special Issue

Emerging Trends in Adductomics: From Adduct Detection to Environmental Implications

Message from the Guest Editors

Adductomics is a rapidly advancing field aimed at understanding the covalent modifications of DNA, RNA, and proteins caused by reactive compounds from endogenous and environmental sources. This Special Issue welcomes original research and review/perspective articles that explore emerging trends and challenges in adductomics, with an emphasis on advancing its applications in health, disease, and environmental studies. Topics of interest include, but are not limited to, the following:

- Novel strategies for screening, detecting, and characterizing adducts;

- Innovations in sample preparation and cleanup techniques for adductomics;

- Discovery of new adduct biomarkers, crosslinks, and hybrid modifications;

- Complex data integration, multi-platform approaches, and computational workflows;

- Development and enhancement of adductomics-specific databases;

- Integration of adductomics with multi-omics frameworks and exposome research;

- Applications of adductomics in environmental health and precision environmental medicine.

Guest Editors

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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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