

Special Issue

Multi-Omics Approaches to Study the Role of Nutrition in Health

Message from the Guest Editors

Non-communicable diseases (NCD) are currently the leading cause of mortality worldwide. Poor nutrition (whether overnutrition or undernutrition) has been regarded as one of the main drivers of NCDs. However, the interaction between nutrition and NCD development among individuals varies, and the mechanisms driving this inter-individual response remain poorly understood. Multi-omics analysis may offer deeper insights into the mechanisms that drive different disease susceptibilities in humans as influenced by nutritional status and dietary intake. In this Special Issue, we invite submissions that study the interaction of nutrition and disease using integrated multi-omics approaches. Manuscript submissions that explore mechanisms of disease susceptibility among populations with different nutritional status or pre-clinical studies (in vitro, in vivo) elucidating the link between nutrition and health are particularly welcome. We also welcome review articles reporting on the state-of-the-art in multi-omics approaches, particularly those linking nutrition and health.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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