

Special Issue

Homocysteine: Biochemistry, Molecular Biology, and Role in Disease 2021

Message from the Guest Editors

Homocysteine (Hcy) is increasingly recognized as an important molecule in a wide variety of cellular functions. Hcy levels can be altered in different ways, including genetic factors, diet, lifestyle, several medications, etc. However, the causal relationship between several disorders and hHcy remains unclear in many cases. The level of the gasotransmitter hydrogen sulfide (H₂S) decreases under hHcy conditions, which may mediate homocysteine-induced neurotoxicity, and on the other hand suggests that an increase of H₂S may play a neuroprotective role.

This second SI is planned to focus on the role of homocysteine in diverse facets of biochemical, molecular biological, physiological, and pathological conditions and ways to prevent Hcy toxicity, including the use of B vitamins, antioxidants, H₂S, and other protective molecules.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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