Special Issue

Sterol Biosynthesis in Organisms

Message from the Guest Editors

Sterol biosynthesis is an important area of research where not many groups have focused on the steps that lead to the major sterols of animals, plants, or fungi. We would like to pay special attention to understanding sterol synthesis and metabolism and to novel enzymes, regulatory mechanisms, and connections of sterols to diverse physiological and pathological processes, including cancers. Understanding sterol biosynthesis is proving to be essential for gaining new insights into metabolism, disease mechanisms, and therapeutic strategies. This Special Issue aims to present research papers as well as comprehensive reviews that explore sterol biosynthesis across organisms. Topics may span molecular mechanisms, pathway regulation, tissue specificity, and broader biological roles of sterols, particularly the new or lesser known.

- Enzymatic and genetic regulation of sterol biosynthesis;
- Tissue-specific and developmental dynamics;
- Sterol-related signalling and metabolic networks;
- Roles of sterols in disease and health;
- Sterol metabolism and analytical approaches;
- Comparative and systems biology approaches.

We look forward to receiving your contributions.

Guest Editors

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Message from the Editorial Board

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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