

Special Issue

Application of Bioenzyme Engineering and Enzyme Catalysis in the Food Industry

Message from the Guest Editors

Enzyme engineering and biocatalysis are advancing food science with precision, efficiency, and sustainability. This Special Issue, "Application of Bioenzyme Engineering and Biocatalysis in the Food Industry," invites contributions that advance the fundamental understanding and practical use of enzymes across the food value chain.

We welcome studies on designing or evolving enzymes for food applications; using metabolic engineering to produce functional molecules; and developing food-grade immobilization strategies for improved stability and processing. Research on computational protein design, structure-function relationships, process intensification, and scale-up is highly encouraged. Contributions may also explore safety and regulatory considerations for food-grade catalysts, life-cycle and techno-economic assessments, integration with green solvents or low-water processes, and the valorization of agri-food by-products within a circular bioeconomy.

Guest Editors

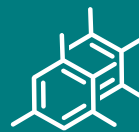
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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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