

## Special Issue

# Exploring Thermophilic Enzymes: From Structural Foundations to Functional Enhancement

### Message from the Guest Editor

Owing to their excellent stability and functionality at high temperatures, thermophilic enzymes play a crucial role in fields such as biological detection, genetic engineering, food processing, and drug synthesis. This Special Issue aims to collect high-quality original research, reviews, and short communications, with a focus on structural analysis of thermostable enzymes, mechanisms of thermal stability, engineering strategies for functional enhancement, and innovative applications in various environments. By highlighting cutting-edge discoveries and insights, this collection seeks to provide a comprehensive overview of recent advancements, deepening our understanding of the stability-related mechanisms of thermophilic enzymes.

### Guest Editor

Prof. Dr. Renjun Gao

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### Deadline for manuscript submissions

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## Biomolecules

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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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