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# Mechanisms of Protein Thermostability

Guest Editor:

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Deadline for manuscript submissions:
**closed (31 May 2025)**

## Message from the Guest Editor

Dear Colleagues,

Proteins are essential and play structural and catalytical roles in all life forms. Their stabilities are required for performing various physiological functions under different growth conditions. Many proteins are stable in a wider range of temperatures, particularly at high temperatures (>100°C). Progress has been made to understand the nature of their thermostability. It is known that multiple factors may be involved in protein thermostability, such as amino acid composition, salt bridge, core packing, hydrophobicity, etc. Elucidation of mechanisms of protein thermostability will not only contribute to understanding life processes at different temperatures, but also the applications of enzyme catalysis in biotechnology. More studies, including bioengineering, will advance our knowledge in this area.

Dr. Kesen Ma
*Guest Editor*

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