



Multiscale Thermal Engineering for Biomedical Applications

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Message from the Guest Editors

The aim of this Special Issue is to collect original research and critical review articles on the most recent analytical, numerical, and experimental results in this interdisciplinary field, with the purpose of providing guidelines for future research directions. Potential topics include but are not limited to:

- Cryopreservation and hyperthermia
- Cryotherapy and thermotherapy
- Biothermal techniques and systems
- Thermal biology and thermal medicine
- Bioheat and mass transfer
- Biothermodynamics
- Thermal microenvironment

Overall, this Special Issue of *Bioengineering* would highlight recent advances on thermal science and engineering in the context of biomedical applications, ranging from fundamental science discoveries, novel technique developments, to new application scenarios. The collection of these papers will cover cutting-edge research activities in this booming multidisciplinary area.





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Message from the Editor-in-Chief

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

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