Special Issue

Heat Transfer in Biomedical Applications

Message from the Guest Editors

Heat transfer is of fundamental importance in many biomedical applications. For example, thermal excursions are used to selectively preserve or destroy cells and tissues, such as in biopreservation, which is an innovative technology, applied to cell and tissue banking, cell therapeutics, tissue engineering, organ transplantation, and assisted reproductive technologies. The aim of this Special Issue is to collect original research articles on the most recent analytical, numerical, and experimental results in this field, with the purpose of providing guidelines for future research directions. Potential topics include, but are not limited to:

- Cryobiology and hyperthermic biology;
- Thermal therapies:
- Heat transfer in clinical dentistry;
- Heat transfer inophthalmology;
- Numerical and analytical investigations of heat transfer in living tissues;
- Employment of nanoparticles for targeted heating and in bio heat transfer enhancement;
- Thermal management in the implantable medical devices.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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