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# **Heat Transfer in Biomedical Applications**

Guest Editors: Message from the Guest Editors Prof. Dr. Assunta Andreozzi Dear Colleagues, Heat transfer is of fundamental importance in many Dr. Marcello Iasiello biomedical applications. For example, thermal excursions Dr. Victoria Timchenko are used to selectively preserve or destroy cells and tissues, such as in biopreservation, which is an innovative Prof. Dr. Kambiz Vafai technology, applied to cell and tissue banking, cell therapeutics, tissue engineering, organ transplantation, and assisted reproductive technologies. Deadline for manuscript submissions: The aim of this Special Issue is to collect original research closed (31 December 2021) 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.





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### Message from the Editor-in-Chief

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