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Thermal Imaging in Body and Skin Temperature Changes Evaluation

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Message from the Guest Editors

Dear Colleagues,

The human body surface is a complex map of isotherms, with a very wide range of temperatures, changing in response to endogenous and exogenous factors. Body surface temperatures can be evaluated using thermoemission (i.e., recording the heat emitted by human skin using infrared cameras). The use of thermal imaging techniques enables a quantitative (therefore, objective) analysis of biothermokinetic—and, consequently, bioenergetic—processes occurring in the human body. The imaging of human body surface temperature distribution (thermography) can reflect the processes occurring inside the body, as a change in temperature is often the first sign of pathological processes in body tissues, noticeable before functional or structural changes develop. Thus, the use of thermal imaging methods to assess body surface temperature may be of significant diagnostic value in medical science, health science, rehabilitation, physical therapy, and sports.

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Editor-in-Chief

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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