From the Guest Editors

TRENDS IN MODELLING OF HEAT-MASS AND MOMENTUM TRANSPORT PROBLEMS

Modelling of heat, mass and momentum transfer problems relevant to contemporary thermal engineering problems are of great interest for developing new technologies assuring comfortable life and ergonomic working conditions. Thermal problem with associate mass and fluid flows exist are related to almost all aspects of the natural and engineering world containing an implausibly extensive range of scales from flows in biological cells, technological processes, modern building heating/cooling, clothing comfort, *etc*.

The goal of this special issue is to report latest progress in modelling of local and non-local transport phenomena. This is a collection of 403 articles covering broad aspects of heat, mass and momentum transfer thus allowing seeing the powerful sides of mathematical modelling. We believe that the 43 articles presented here will serve as comprehensive sources of information what are the contemporary trends in modelling of transport phenomena involving heat, mass and fluid flow and will motivate many authors to work on such problems.

The efforts and contributions of all authors are highly appreciated due to their collaborations in manuscripts preparations and the quality of the results reported in them, as well.

Last but not least, the guest editors are indebted in the collaborative work with the editors of the *Thermal Science* in the course of this special collection preparation.

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