

From the Editors

The Thermal Science dedicated the Special Issue to:

RECENT THERMAL PROCESSES IN THE ATMOSPHERE

The decision to open this issue is the result of a common understanding of the Geographical Institute “Jovan Cvijić” of the Serbian Academy of Sciences and Arts and Editorial board of the International scientific journal Thermal Science that it is necessary to open a discussion on climate changes.

Recent thermal processes in the atmosphere, based on measured values, show a surprising downward trend over the last 15 years (<http://www.doiserbia.nb.rs/img/doi/0354-9836/2014%20OnLine-First/0354-98361400076R.pdf>)¹. Contrary to expectations arising on the basis of the belief that greenhouse gases as well as the urban heat islands intensify global warming, we face the challenge of the need to revise some of the models, as well as the appropriate methods.

This issue of the Thermal Science is dedicated to recent thermal processes in all layers of the atmosphere (also including the lowest layers of the troposphere), interactive exchange of the Sun-Earth heat (high and low energy particles and their propagation through the magnetosphere and atmosphere with special emphasis on the exchange of heat energy) and local and regional differences between urban areas and the environment, and their impact on the environment both vertically and horizontally.

Multi-disciplinary research could certainly help more efficient analysis of the current situation, and what would specifically promote this kind of publishing refers to the forecasting models. Life on the Earth is conditioned, among other things, by the heat that is coming to us from the outside; however on the basis of the results of recent research, there is an impression that the attention of scientists is less focused on the solar constant but to the other forms of heat exchange. We have witnessed that in recent history many political and strategic decisions are based on the research results of climate changes and scientific views on these processes.

The Special Issue will have between 20 and 25 papers, and the priority in publishing will have positively reviewed papers of the authors who received the invitation letter. Please find the instructions for authors in the attachment, and other details of the Thermal Science at: <http://thermalscience.vinca.rs/>. Deadline for the paper submission is 31st March 2015. The deadline will be closed earlier, if the sufficient number of papers is collected. The papers can be submitted at: thsci2015supplement@gi.sanu.ac.rs Please confirm if you are interested to participate in Thermal Science Special Issue.

Additional information: Presently, current Impact Factor of Thermal Science is 0.962.

¹ Radovanović M. M., Ducić V, Mukherjee S. Climate changes instead of global warming. Thermal Science, 2014 OnLine-First (00):76-76, DOI:10.2298/TSCI140610076R (in press)

Note: Publishing fee for accepted papers is 150 euros. The Management Board of the SOCIETY OF THERMAL ENGINEERS OF SERBIA, on the session held on March 6th 2013, made the decision that applies to all issues, including Supplements. The Management Board of the SOCIETY OF THERMAL ENGINEERS OF SERBIA and the National Editorial Board are aware that this is not popular and easy decision. As a consequence of the growing number of papers, increased number of issues per year and increased number of pages per issue, and at the same time due to world economy crisis and increase of prices of material and labour, costs of publishing journal, per issue and per page, increased several times. Being aware that it is not possible to create sustainable financial and editing conditions for publishing the THERMAL SCIENCE journal, due to the fact that subscription cannot provide enough funds, but at the same time wishing to satisfy the interest of scientists all over the world to publish results of their investigations, the Management Board was forced to accept the above mentioned decision. This decision will also make possible to fulfil one of the main principles of the National Editorial Board of the journal THERMAL SCIENCE - to publish Open Access journal, available to all to publish and read.

Regards

Guest editor of this special issue

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Belgrade, Serbia, 28 July 2014