

ADDRESS TO READERS

Dear colleagues and readers of Vestnik NovSU!

The periodical "Vestnik of Novgorod State University" has been successfully cooperating with the Organizing Committee of the International Scientific Conference "Chemical Thermodynamics and Kinetics" for several years and traditionally acts as a platform for publishing individual scientific studies written as a result of the reports of this scientific event.

The beginning of the International Conferences "Chemical Thermodynamics and Kinetics" dates back to 2010, when the 100th anniversary of the birth of the outstanding Soviet scientist Doctor of Chemical Sciences, Professor Valentin Mikhailovich Kravchenko (01.06.1910–08.04.1963) was celebrated. Professor V. M. Kravchenko developed methods for predicting and calculating the thermodynamic properties of multicomponent systems contained in numerous natural technically important organic mixtures (coal, oil, coal tar) from benzene to complex multi-ringed hydrocarbons. In connection with the anniversary date of the famous scientist, Donetsk National Technical University, Litvinenko L.M. Institute of Physical-Organic Chemistry and Coal Chemistry of the National Academy of Sciences of Ukraine and Yaroslav-the-Wise Novgorod State University held an International Conference "Chemical Thermodynamics. Phase Equilibria and Thermodynamic Characteristics of Components" on June 10–11, 2010 at Donetsk National Technical University.

After summing-up the results of the event, it was decided to hold conferences annually, starting from 2011. Since the topics of the 2010 conference significantly went beyond its title, it was decided to give the following conferences the title "Chemical Thermodynamics and Kinetics", bearing in mind the possible formation of sections in the most relevant areas of physics and chemistry of the condensed state of matter: physical and chemical fundamentals of materials science, physical and chemical kinetics, phase transitions, etc.

At present, the main organizers of the conference are Donetsk National Technical University (DonNTU), Yaroslav-the-Wise Novgorod State University (NovSU) and Tver State University (TSU). In 2014, due to the civil war that began in Ukraine after the coup d'état, the conference had to be held virtually. After 2014, scientific events in Donetsk became impossible to be held, therefore, since 2015, the conference "Chemical Thermodynamics and Kinetics" has been held in turn in Veliky Novgorod (at Novgorod State University) and in Tver (at Tver State University) with the active involvement of colleagues from Donetsk. The results of research presented at the conferences, in addition to abstracts, are published in the periodicals "Vestnik NovSU" and "Herald of TvSU", as well as in the international scientific publication "IOP Conference Series".

In the year of the 30th anniversary of Yaroslav-the-Wise Novgorod State University, the Editorial Board of the periodical supported the initiative of the Organizing Committee of the International Conference "Chemical Thermodynamics and Kinetics" to publish individual articles of the conference participants. The articles selected by the Committee and the Editorial Board, which are closest to the main topics of the periodical, constituted the main content of this issue.

The Editorial Board of the periodical thanks colleagues and reviewers who contributed to the release of the current issue of Vestnik NovSU and invites specialists working in the scientific areas presented in it to cooperate.

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