



Call for Papers for the International Symposium
Celebrating D.I. Mendeleev's Periodic System. A Historical Perspective
Юбилей Периодической системы Д.И.Менделеева. Исторический аспект

Satellite symposium to XXI Mendeleev Congress September 2019 in Saint Petersburg State University

The **Call for Papers** is now open for the International Symposium “Celebrating D.I. Mendeleev’s Periodic System. A Historical Perspective” which will be held at the **Saint Petersburg State University** on 10-13 September 2019.

The XXI Mendeleev Congress is held under the auspices of the International Union of Pure and Applied Chemistry (IUPAC). The symposium is supported by the EuChemS – Working Party on the History of Chemistry, the Russian Academy of Sciences, the Ministry of Science and Higher Education of the Russian Federation, the Mendeleev Russian Chemical Society, the Saint Petersburg State University and the Russian Chemists Union.

The Symposium is a satellite event of the XXI Mendeleev Congress on General and Applied Chemistry, the largest Russian scientific event focusing on all aspects of fundamental and applied chemical research. Every 4 to 5 years, the Mendeleev Congress welcomes scientists from all over the globe to the scientific and cultural centres of the Russian Federation for discussing the ground-breaking scientific and industrial achievements in chemistry.

The satellite symposium will be held on the **Saint Petersburg State University** campus on Vasilievsky Island, while the other venues of the Mendeleev Congress will include the Saint Petersburg Mining University (also known as Gorny) and conference rooms at the Park Inn by Radisson Pribaltiyskaya St Petersburg.

The congress traditionally maintains an interdisciplinary program and in the frame of the International Year of the Periodic Table, it is only fitting to have a satellite symposium celebrating the 150th anniversary of the first publication of the D. I Mendeleev’s Periodic System (PS) of the elements. This innovative and ground breaking new way of classification of the elements created the iconic Periodic Table (PT) which under different forms and presentations is still in use in every classroom around the world.

But how did this idea emerge and take form? What is the historical context of the discovery of PS? Who were the chemists involved, besides D.I. Mendeleev? How were the ideas and concepts discussed, criticized or appropriated? How did the core ideas of PS and PT develop through the 150 years that separates us

from the initial publications? And how is this universal device used and accommodated for teaching, and research? How did it work and perform in classrooms and textbooks, or appear in more popular culture as an icon of chemistry and science?

The Symposium “Celebrating D.I. Mendeleev’s Periodic System. A Historical Perspective” will gather scholars to tackle these questions pertaining to the historical emergence, development and use of the Periodic System (PS), and the most powerful scientific icon, the Periodic Table (PT). While there are still much debates and ongoing discussion about the nature of the PS, the best arrangement of the elements, and the underlying laws that govern such a classification, this symposium will specifically hold a historical perspective. Beyond the story of discovery, and its context, it will also examine the response and the appropriation processes that explain the longevity of this classification across time, space and culture. In particular, this symposium aims at providing space for less discussed topics such as the use of PT in textbooks and the pedagogical context, the presence of the PT in popular culture, and the role of women scientists in the development of the PS/PT.

The main topics of the Symposium include:

- D.I. Mendeleev and the scientific environment at the time of the emergence of the PS
- Mendeleev’s PS, other systems and tables of chemical classifications in their historical context: forerunners, early controversies and priorities around the PS and the PT
- Appropriation and circulation of the PS and the PT: responses, accommodations with new scientific discoveries and theories
- The PS/PT and the teaching and popularisation of chemistry in a historical perspective: pedagogical context of the formulation and early use of the PS/PT, role of textbooks in the use and development of PS/PT, the PT as a popular icon
- Women scientists and their role in the development of the PS/PT

Key-Note Speakers:

- Prof. Bernadette Bensaude-Vincent, Université Paris 1, Panthéon-Sorbonne, France
Mendeleev’s notion of chemical element: a key actor in the construction of the periodic table
- Prof. Helge Kragh, Niels Bohr Institute, Denmark
Astrochemistry, New Elements, and Mendeleev’s Periodic Table
- Prof. David E. Lewis, University of Wisconsin-Eau Claire, USA
Mendeleev, Markovnikov and the Zhurnal Russkago Khimicheskago Obshchestva: Celebrating Three Sesquicentennials
- Prof. Martyn Poliakoff, University of Nottingham, England
Mendeleev’s gift to Education

Venue:

Saint Petersburg, St. Petersburg State University, Russia.

Schedule:

	Monday 9 September	Tuesday 10 September	Wednesday 11 September	Thursday 12 September	Friday 13 September
Morning	Mendeleev Congress	Mendeleev Congress	Mendeleev Congress	Mendeleev Congress	Visits
Afternoon		Historical Symposium	Historical Symposium	Historical Symposium	Mendeleev Congress

In addition to the scientific programme, the congress will include social events.

Language:

Official languages of the Symposium are Russian and English. Translation from Russian provided.

Organizers:Organizing institutions:

The Russian Academy of Sciences (RAS)
The Ministry of Science and Higher Education of the Russian Federation
Mendeleev Russian Chemical Society
St. Petersburg state University
Russian chemists Union
EuChemS – Working Party on the History of Chemistry
Under the auspices of IUPAC

Organizers of Symposium:

Dr. Elena Baum-Zaitseva (Moscow State University, Chemistry Department, Russia), secretary
Academician Valery V. Lunin (Moscow State University, Chemistry Department, Russia), co- chair
Academician Aslan Ju. Tsivadze (A.Frumkin Inst. of Physical Chemistry and Electrochemistry, Russia)
Dr. Brigitte Van Tiggelen (Science History Foundation, USA/ Mémosciences asbl, Belgium), co-chair

Scientific Secretary:

Dr. Elena Baum-Zaitseva (Moscow State University, Chemistry Department, Russia)

Program Committee:

Dr. Elena Baum-Zaitseva (Moscow State University, Chemistry Department, Russia)
Prof. Jose Ramon Bertomeu Sanchez (University of Valencia, Spain)
Dr. Gisela Boeck (Institut für Chemie, Universität Rostock, Germany)
Prof. Igor S. Dmitriev (Museum Archive D.I. Mendeleev, Russia)
Prof. Michael Gordin (Princeton University, Princeton, USA)
Academician Valery V. Lunin (Moscow State University, Chemistry Department, Russia)
Prof. Isabel Malaquias (Universidade de Aveiro, Portugal)
Prof. Gabor Pallo, senior sc. adviser (Visual Learning Lab, Technical University of Budapest, Hungary)
Corr. Member of RAS Natalia P. Tarasova (D.Mendeleev University of Chemical Technology of Russia)
Academician Aslan Ju. Tsivadze (A. Frumkin Inst. of Physical Chemistry and Electrochemistry, Russia)
Dr. Brigitte Van Tiggelen (Science History Institute, USA/ Mémosciences asbl, Belgium)
Academician Yu. A. Zolotov (Moscow State University, Chemistry Department, Russia)

Local Organizing Committee:

Dr. Elena Baum-Zaitseva (Moscow State University, Chemistry Department, Russia)
Dr. Tatyana Bogatova (Moscow State University, Chemistry Department, Russia)
Academician Valery V. Lunin (Moscow State University, Chemistry Department, Russia)

Registration and conference fees:

The participants to the satellite meeting should register at the Mendeleev Congress, see <http://mendeleev2019.ru/index.php/en/>. Please note that you need to be registered to submit an abstract. Also check: <http://mendeleev2019.ru/index.php/en/registrationinfo-3/registretionfee>
<http://mendeleev2019.ru/index.php/en/>

The conference fees for the satellite symposium are 250 euros.

In case of problems with the registration or payment, contact Yulia Gorbunova (yulia@igic.ras.ru) or Elena Baum-Zaitseva (baumzai@mail.ru).

Abstract submission:

The final deadline for all individual paper proposals is **15th March 2019**. Selected papers will appear as oral communications (20 minutes each) or posters.

All abstracts must be submitted through the Personal Account. To upload an abstract, participants are asked firstly to register on-line and to create their Personal Account. After registering, you may submit an abstract. All proposals (abstracts) must be in English.

Abstracts should be prepared following a template that is to be found on the website; please consult the guidelines at the Mendeleev Congress website: <http://mendeleev2019.ru/index.php/en/about-the-event-3/abstracts>.

Visa:

All foreign participants to the Conference must obtain valid documents to enter Russia. Please check whether you need a visa. The invitation needed for the visa procedure will be handled through the Mendeleev congress and through the Mendeleev Congress website; it requires registration, and an accommodation booking, see <http://mendeleev2019.ru/index.php/en/information-3/visa>

Accommodations:

A choice of accommodation will be posted on the Mendeleev Congress website
<http://mendeleev2019.ru/index.php/en/information-3/accommodation>

Please note that booking an accommodation is a compulsory step in the visa procedure

Contact address:

mendcongress.histsymposium@gmail.com

Secretary of the symposium: Dr. Elena Baum-Zaitseva

Symposium website: <https://hystsymposium.wordpress.com/>