



Mendeleev 2021

XII International Conference on Chemistry
for Young Scientists

September 6-10, Saint Petersburg

Dear colleagues,

We are pleased to inform you that the XII International Conference on Chemistry for Young Scientists «Mendeleev 2021» will be held in Saint Petersburg (Russia) on 6–10 September 2021.

Mendeleev 2021 will provide young chemists (undergraduate students, PhD-students, and young scientists aged under 35) an opportunity to present their research and to meet scientists working in various fields of chemistry.

The official language of Mendeleev 2021 is English.

Deadlines

Registration	May 31 ,2021
Submission of abstracts	May 31, 2021
Decision on type of presentation	June 15, 2021
Early bird registration fee payment	June 30, 2021
Start of the conference	September 6, 2021

NB! Registration opens on Monday, November 30, 2020, at 10 a.m. (UTS+3). The conference web-site, registration fee payment and template for abstract preparation will be announced in the second information letter.



St Petersburg
University

Plenary Speakers

Univ.-Prof. Mag. Dr. Peter Lieberzeit, University of Vienna, Vienna, Austria

Dr. Timur I. Madzhidov, Kazan Federal University, Kazan, Russia

Prof. Yulia Gorbunova, Corresponding Member RAS Institute of General and Inorganic Chemistry. N.S. Kurnakov Russian Academy of Sciences, Moscow, Russia

Prof. Dr. Karl Mandel, The Supraparticle Group, Department of Chemistry and Pharmacy, Friedrich-Alexander University Erlangen-Nürnberg (FAU), Head of Particle Technology, Cluster Materials Chemistry, Fraunhofer Institute for Silicate Research ISC

Dr. Prof. Igor Alabugin, Florida State University, Tallahassee, USA

Dr. Prof. Eugenia Kumacheva, University of Toronto, Toronto, Canada

Invited Speakers

Ms. Bojana Kocmaruk, Uppsala University, Uppsala, Sweden

Dr. Alexey Bobrovsky, Moscow State University, Moscow, Russia

Dr. Yurii Kuzin, Kazan Federal University, Kazan, Russia

Dr. Sergey Adonin, Nikolaev Institute of Inorganic Chemistry

SB RAS, Novosibirsk, Russia

Prof. Julien Bachmann, Friedrich-Alexander University Erlangen-Nürnberg (FAU)



The Twelve Collegia



Hall of ceremonies in the Twelve Collegia



Scientific Program

Plenary, invited, oral presentations and poster session.

Scientific Section

1. ANALYTICAL CHEMISTRY

On-line and automated chemical analysis systems;
Analytical methods in biology, medicine, and industry;
Modern chromatographic methods;
Molecular and atomic spectroscopy in analytical chemistry;
Electrochemical analysis;
Chemometrics

2. COMPUTER MODELLING AND CHEMINFORMATICS

Ab initio and DFT calculations;
Molecular dynamics simulation;
Machine learning in chemistry;
Computational biochemistry;
Development of methodology and theoretical foundations;
of computer modelling in chemistry;
Cheminformatics

3. INORGANIC AND ORGANOMETALLIC CHEMISTRY

Synthesis and reactivity of inorganic compounds;
Chemistry of organometallic species;
Ligand reactivity;
Rational design of metal complex catalysts;
Synthesis and functional properties of inorganic materials;
Kinetic studies of inorganic and organometallic compound
transformations

4. NANOCHEMISTRY AND NANOMATERIALS

Advances in the synthesis and characterization of nano-objects, nano-structures, and their assemblies;

Synthetic chemistry and the materials chemistry for particular capacities and uses of nanostructures;

Hybrid and composite nanomaterials, and correlated functional properties;

Sustainable manufacturing and application of nanomaterials

5. ORGANIC AND BIOMEDICAL CHEMISTRY

Advances in synthetic methodology. Investigation of reaction mechanisms;

Catalysis in organic synthesis;

Chemistry of heterocyclic compounds;

Asymmetric synthesis;

Isolation of natural products;

Multicomponent and combinatorial chemistry;

Synthesis, chemical and biological studies of bioactive compounds.

Rational drug design

6. POLYMER SCIENCE

Polymer processing and polymer design (synthesis, mechanisms, kinetics);

Reactions and chemistry of polymers, macromolecular structure and function;

Advanced characterization of polymers;

Functional and reactive polymers, stimuli-responsive polymers (including shape memory and self-healing polymers), supramolecular polymers, renewable and sustainable polymers;

Polymer composites and polymer materials (including polymer blends, films, fibres, membranes, networks and porous materials);

Polymer physics;

Applications of polymers;

Polymers and environment

Social Events

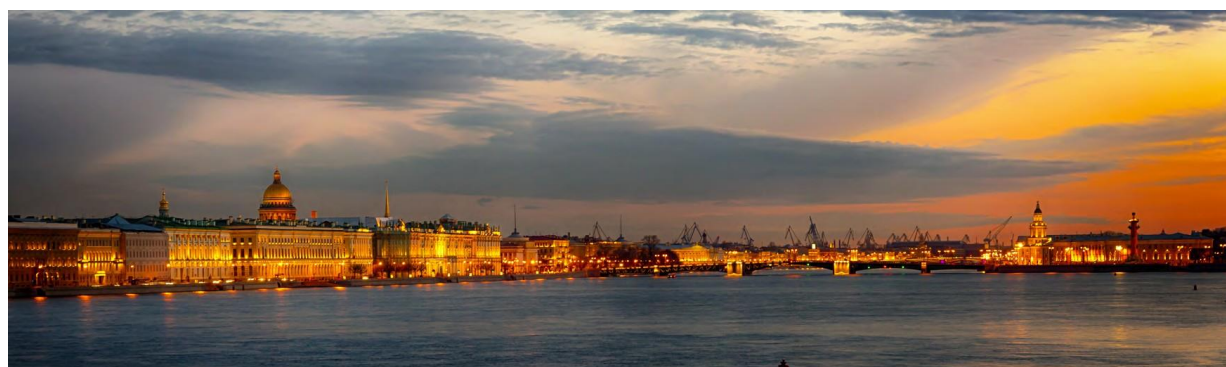
Welcome Party

The tour to the SPBU main building with a visit to the D. I. Mendeleev Museum-Archive

The bus tour to the historic center of Saint Petersburg

The tour to the Peterhof Museum-Reserve (“The Russian Versailles”)

Excursion to the SPbU Research Park



Contacts

Scientific secretary of the Conference

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