

**2nd Russian-Chinese Symposium on Green
Chemistry and Technology of
Organosilicon Polymers and Materials**

August 24-26, 2026

Department of Chemistry,

M.V. Lomonosov Moscow State University,

Moscow, Russia

Programme

Organizers and Partners

Russian:

- Department of Chemistry, Lomonosov Moscow State University (Host);
- Scientific Council on Organic Chemistry of the Russian Academy of Sciences;
- A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences (INEOS RAS);
- Enikolopov Institute of Synthetic Polymeric Materials Russian Academy of Sciences (ISPM RAS);
- A.V. Topchiev Institute of Petrochemical Synthesis of the Russian Academy of Sciences (IPS RAS);
- N.D. Zelinsky Institute of Organic Chemistry of the Russian Academy of Sciences (IOC RAS);
- G.A. Razuvaev Institute of Organometallic Chemistry of the Russian Academy of Sciences (IOMC RAS)

Chinese:

- Shandong University;
- Zhejiang Sci-Tech University;
- China Association of Fluorine and Silicone Industry.

Organizing Committee:

- Co-chairs: Acad. A.M. Muzafarov (Russia); Prof. Shengyu Feng (China)
- Deputy chairs: Prof. M.V. Bermeshev; Prof. S.S. Karlov; Prof. Xiaomin Zhu
- Scientific/Administrative secretary: Dr. Aleksandra Bystrova

	Aug 24, Monday
10:00 – 10:15	Opening Ceremony
	Chairs: Muzafarov Aziz, Egorov Mikhail
10:15 – 10:45	IL-1. Muzafarov Aziz «New horizons of the silicone market»
10:45 – 11:15	IL-2. Feng Shengyu «Recycling of Waste Silicone Materials»
11:15 – 11:35	Coffee-break
11:35 – 12:00	IL-3. Bermeshev Maxim «Design and Properties of Bottlebrush Polymers Based on Siloxanes and Norbornenes»
12:00 – 12:30	IL-4. Han Xiangyang «The Current State of the Silicon-Based Material Industry in China»
12:30 – 13:00	IL-5. Zhu Xiaomin «Silicone Surfactants – Quo Vadis?»
13:00 – 15:00	Lunch
	Chairs: Zhu Xiaomin, Anisimov Anton
15:00 – 15:30	IL-6. Kramarenko Elena «Magnetoactive Polymer Materials for Soft Robotics»
15:30 – 16:00	IL-7. Zhang Jie «Design, Preparation, and Performance Study of Silicon-Containing Polyester»
16:00 – 16:30	IL-8. Anisimov Anton «Ammonia as a universal medium for the synthesis and processing of silicones»
16:30 – 17:00	Coffee-break
17:00 – 17:30	IL-9. Xu Xingdong «Design and Application of Tetraphenylethylene-Based Organosilicon Materials: From Small Molecules to Polymers»
17:30 – 18:00	IL-10. Bezlepkina Kseniya «Functionalization of polydimethylsiloxanes: current trends in siloxane ring opening and catalytic rearrangement reactions»
18:00 – 18:30	IL-11. Chusov Denis «Straightforward Access to High-Performance Organometallic Catalysts by Fluoride Activation»

	August 25, Tuesday
	Chairs: Bermeshev Maxim, Zhang Jie
10:00 – 10:30	IL-12. Ponomarenko Sergey «Organosilicon semiconducting oligomers and polymers for organic electronics»
10:30 – 11:00	IL-13. Wang Dengxu «Siloxane-Linked Fluorescent Materials: Synthesis, Properties, and Applications»
11:00 – 11:30	IL-14. Zagidullin Almaz «Synthesis of a novel platinum catalysts and their application in hydrosilylation reactions»
11:30 – 12:00	Coffee-break
12:00 – 12:30	IL-15. Jiang Wen «31 Years in the Silicon Industry – GE Silicone, Wacker, Dow Corning, and Unicore»
12:30 – 13:00	IL-16. Liu Chao «The Current State of Vinyl Silicone Oil Development»
13:00 – 15:00	Lunch
15:00 – 16:15	Round table «Academia–Business Collaboration in Silicones: Key Challenges» (Moderators: Bermeshev Maxim, Zhu Xiaomin)
16:15 – 16:45	Coffee-break
	Chair: Temnikov Maxim
16:45 – 17:00	O-1. Borisova Diana «The use of polyhydroxyl methylsilsesquioxanes and superbranched polymethylsiloxanes as surfactants for polymerization of methyl methacrylate»
17:00 – 17:15	O-2. Golovenko Ekaterina Alekseyevna «Composite material based on cobaltocenium-containing polysiloxane and carbon nanotubes for electrocatalysis»
17:15 – 17:30	O-3. Kozlov Andrey «TBAT as “Multitool” catalyst for polysiloxanes synthesis, modification and recycling»
17:30 – 17:45	O-4. Tyulkin Andrey «Synthesis of amphiphilic compounds based on stereoregular macrocyclic silsesquioxanes»

	Aug 26, Wednesday
	Chairs: Ponomarenko Sergey, Khmelnitskaya Alina
10:00 – 10:30	IL-17. Zhu Qingzeng «Research Progress of Organosilicon Materials: Recyclable and Sustainable»
10:30 – 11:00	IL-18. Chvalun Sergey «Silicone based composites. Performance and structure»
11:00 – 11:30	IL-19. Alentiev Dmitry «Gas Separation Membranes Based on Polycycloolefins with Organoelement Substituents: Advances over the Past 10 Years»
11:30 – 12:00	Coffee-break
12:00 – 12:30	IL-20. Temnikov Maxim «Direct Synthesis of Organoalkoxysilanes: A Cornerstone of Green Chemistry for Silicones»
12:30 – 13:00	IL-21. Khmelnitskaya Alina «Tuning the Dielectric and Mechanical Properties of PDMS/MQ Composites for Advanced Soft Actuators»
13:00 – 13:15	Closing Remarks
13:15 – 15:00	Lunch