

SUMMARY REPORT

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

The 2nd Russian-Chinese Symposium on Green Chemistry and Technology of Organosilicon Polymers and Materials took place from August 24 to 28, 2026, at the Department of Chemistry of Moscow State University. The event gathered more than 60 scientists, including approximately 50 Russian specialists and 11 Chinese delegates from leading universities and chemical companies. The core scientific program, held from August 24 to 26, featured 21 invited lectures and 4 oral presentations.

A central highlight of the symposium was the round table "Academia–Business Collaboration in Silicones: Key Challenges" on August 25, which reviewed joint progress achieved since the first symposium and outlined future avenues for cooperation. Following the scientific sessions, an excursion program was organized from August 26 to 28, including visits to the Museum of Earth Sciences, Mendeleev University of Chemical Technology of Russia, the Institute of Synthetic Polymeric Materials of the Russian Academy of Sciences (ISPM RAS), and the Main Cathedral of the Russian Armed Forces in Patriot Park.

Key outcomes included the presentation of the current state of the Strategy for the Restoration of Industrial Silicone Production in the Russian Federation by Academician A.M. Muzafarov, emphasizing the transition from the initial stage of implementing the Strategy toward creating new large-scale markets for silicone materials. This fully reflects the interest of both countries, as it is aimed at eliminating subjective perceptions regarding the saturation of the silicone market in China and the Russian Federation.

Professor Feng's lecture addressed one of the key areas of silicone chemistry – waste recycling into valuable products with no loss of quality. Using liquid silicone oils as a specific case study, he demonstrated a closed-loop processing method that produces valuable reagents, not yet commercially available, intended for use in high-tech products.

Participants were also informed regarding the formation of a Consortium of leading Russian chemical institutes for the implementation of the Strategy, as well as the intention, as a first step toward creating new areas of silicone applications, to drive commercialization through a "startup belt." In an address to the Chinese delegation, it was proposed to consider the feasibility of creating "mirror" startups in China in the most relevant areas of silicone product market development.

At the round table, draft letters of intent for the creation of joint institutions were also presented, which will be sent to the Chinese side for review and further discussion.

Ultimately, it was decided to hold subsequent Joint Bilateral Symposia on an annual basis. To this end, it was proposed to form a permanent Joint Bilateral Organizing Committee and to approve its composition in the near future. The Chinese side proposed inviting Russian silicone companies – potential clients of the Chinese silicone industry – to join the Symposia, thereby attracting Chinese silicone companies to sponsor the event.

The Russian side additionally proposed to consider the feasibility of establishing permanent commercial advisory centers under the auspices of the Organizing Committee, operating within the Russian and Chinese jurisdictions respectively, under the leadership of the co-chairs of the Organizing Committee and their deputies. The activities of these centers will be aimed at implementing the decisions of the Symposia, securing funding for the events, and strengthening cooperation between the parties on an ongoing basis.