

Oleg Valentinovich Krylov

DOI: 10.1134/S0023158408060141

Oleg Valentinovich Krylov, a prominent researcher in heterogeneous catalysis, professor, doctor of chemical sciences, passed away on July 28, 2008.

Krylov was born in the town of Ivanovo. In 1947, he graduated from the Ivanovo Institute of Chemical Technology and took a postgraduate course at the Institute of Chemical Physics, USSR Academy of Sciences. Under the supervision of S.Z. Roginskii, he accomplished a candidate of sciences dissertation, in which he for the first time studied the activation of platinum under the action of a catalytic reaction. From 1961, Krylov worked at the Institute of Chemical Physics, USSR Academy of Sciences.

Krylov was renowned for his studies in heterogeneous catalysis. From 1964 to 1990, he was Head of the Laboratory of Heterogeneous Complex Catalysts (later, a complex of laboratories), which was among the largest divisions of the Semenov Institute of Chemical Physics, Russian Academy of Sciences. Krylov published over 450 articles on heterogeneous catalysis. He wrote 12 monographs devoted to topical problems of catalysis, adsorption on semiconductor surfaces, electronic phenomena in adsorption and catalysis, adsorption and catalysis on transition metals, and nonequilibrium processes in catalysis, which were published both in Russia and abroad. He was the author of the comprehensive textbook *Geterogennyyi kataliz* (Heterogeneous Catalysis). His books have been translated into many

languages. Krylov was the supervisor of 41 candidates of science and 11 doctoral dissertations.

Krylov and Academician Boreskov represented the Soviet Union and, later, Russia in the Council of International Catalysis Congress. Krylov was an active member of the Catalysis Council at the Russian Academy of Sciences. He was among the initiators of the Congress on Oxidation Catalysis and was Russia's representative in the organizing committee of this forum. He was a member of the editorial boards of a number of scientific journals on catalysis and a member of the American Chemical Society. Over about 40 years, Krylov was the chairman of the International Workshop on Catalysis.

After joining the Institute of Chemical Physics in 1961, Krylov made his way from Senior Researcher to Head of Department and Deputy Director. Here, Krylov fully showed his responsibility and deep honesty, virtues that epitomized him throughout his lifetime.

Krylov was awarded the Order of the Red Banner of Labor, the Order of the Badge of Honor, and other governmental decorations.

Oleg Valentinovich Krylov of blessed memory, a generous man and outstanding scientist, will live in our hearts forever.

*Workers of the Semenov Institute
of Chemical Physics and the Editorial Board
of Kinetika i Kataliz*