IN MEMORY OF PROFESSOR ANATOLII IVANOVICH KRYUKOV

Professor Anatolii Ivanovich Kryukov died on July 31, 2011 at age 80. He was an outstanding researcher in the field of photochemistry and photocatalysis and a recipient of the L. V. Pisarzhevskii Prize of the National Academy of Sciences of Ukraine.

Prof. Kryukov was born on January 29, 1932 in the village of Tsybli, Pereyaslavskii (now Pereyaslav-Khmel'nitskii) Region of Kyiv Oblast'. In 1955, he graduated from the Chemistry Faculty of Taras Shevchenko Kyiv State University and undertook his scientific career at the L. V. Pisarzhevskii Institute of Physical Chemistry of the National Academy of Sciences of Ukraine.

The major subject of his doctoral dissertation was the elucidation of the elementary reaction step in the photochemistry of coordination compounds, charge-transfer complexes, and radical-ion salts in organic solvents. Scientific approaches developed by Prof. Kryukov opened a pathway for the creation, improvement, and application of a series of photopolymerizing compositions for use in the polygraphic printing and radioelectronic industries. For his series of studies on the fundamental basis and applications of electron phototransfer, Prof. Kryukov was awarded the L. V. Pisarzhevskii Prize of the National Academy of Sciences of Ukraine in 1990.

For many years, Prof. Kryukov and his colleagues extensively studied photocatalysis involving transition metal coordination compounds and semiconductor dispersions, leading to formulation of the principles for creating highly efficient hybrid photocatalytic systems derived from inorganic semiconductors and transition metal complexes for the conversion of light energy and carrying out organic synthesis reactions. In recent years, Prof. Kryukov studied photocatalytic systems with semiconductor nanoparticles and nanoheterostructures.

Prof. Kryukov was the author of more than 200 scientific articles and monographs as well as many author's certificates. He prepared many highly qualified specialists and many of his students hold science candidate's and doctoral degrees.

For many years, Prof. Kryukov was a productive and creative associate of the journal "Teoreticheskaya i Éksperimental'naya Khimiya." He was a member of the editorial board of this journal and was assistant to the editor-in-chief. Many fundamental studies of Prof. Kryukov were published in our journal.

Prof. Kryukov was an enthusiastic scientist and talented and productive researcher.

The bright memory of Professor Anatolii Ivanovich Kryukov will forever remain in the hearts of those who knew and worked with him.

*Editorial Board of the Journal
"Teoreticheskaya i Éksperimental'naya Khimiya"*

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