

In memoriam

**Albert Pavlovich Baskakov
1928-2015**



Albert Pavlovich Baskakov, Professor Emeritus UrFU, Honored Scientist of the RSFSR, died on January 21, 2015.

Baskakov Albert P., born in 1928, graduated from the Faculty of Energo Mashinostroitelny, Moscow Power Engineering Institute named after V. M. Molotov in 1950. After presenting his PhD thesis at the same institute, in 1953, he was appointed assistant to the chair Boiler Plants (later “Industrial power”) of Ural Polytechnic Institute named after S. M. Kirov. At that department he was first an assistant (1953-1956), then Associate professor (1956-1964), Head of the department (1964-1998), Professor (1998-2011), and finally Professor Consultant (2011 onwards).

At the Department A. P. Baskakov created the largest scientific school in Russia to study fluidized bed systems and based on which to create fundamentally new technologies. Theory and technology of metal heat treatment in a fluidized bed, which were developed under his leadership, received international recognition. In the ninety eighties the USSR defense industry entirely switched to the heat treatment of a number of parts in fluidized bed.

Under the leadership of A. P. Baskakov, the first Russia's experimental 10 MW boiler with a circulating fluidized bed for combustion of low grade fuels and combustible waste was built in the boiler room of Experimental production plant.

A. P. Baskakov was an honored scientist of the RSFSR (1988), the winner of the prize N. A. Minkevicha NTO Mashpom the USSR (1983), and the winner of the competition for energy savings conducted in Energy Centre of the European Union (1995). He was also a member of the editorial board of the international journal “Thermal Science” (Serbia), and for a long time (in rotation) was a member of the Editorial Board of the journal “Powder Technology”.

A. P. Baskakov wrote four textbooks for University students (including one translated in Spanish), 11 monographs (2 translated into English), published more than six hundred articles in scientific journals, presentations at international conferences, and patents. In 1997, Albert P. Baskakov received a Diploma for scientific discovery (HAC RF Newsletter No. 3, 1997). In 2013 he published a textbook for University students “Alternative and renewable energy sources”, written by A. P. Baskakov and V. A. Munz. The textbook “Heat”, edited by A. P. Baskakov, which went through three editions, is still one of the best in Russia in the non-energy field.

In recent years, A. P. Baskakov, together with the staff and students, was actively engaged in research of deep cooling of the combustion products of natural gas in the finned heat exchangers, and power plants based on solid oxide fuel cells.

More than ten years in a row biographical information about A. P. Baskakov were published in the US reference Marcus “Who is Who in the World” and similar references (Who is Who in Science and Engineering; 2000 Outstanding Scholars of the 20th Century, 2nd ed., and others).

A. P. Baskakov was actively involved in youth education and training of highly skilled engineers and masters; prepared and also held a course “Theoretical Foundations of promising new thermal power processes and technologies” for students in the master program.

Several times, Baskakov Albert Pavlovich has visited Laboratory for Thermal Engineering and Energy of the Vinča Institute of Nuclear Sciences, in Belgrade, and actively participated in Symposia devoted to fluidized bed combustion, organized by the Society of Thermal Engineers of Serbia, by presenting last scientific and technological achievements in fluidized bed technologies in Invited lectures.

This outstanding scientist and wonderful person, Baskakov Albert Pavlovich, shall forever remain in the memory of his colleagues, students and friends. In many countries, and in Serbia, Albert Pavlovich Baskakov had many sincere friends.

April 2015, Belgrade

Prof. Dr. Vladimir Tuponogov
Ural Polytechnical Institute,
Yekaterinburg, Russia

Prof. Dr. Simeon Oka
Scientific advisor at Vinča Institute of
Nuclear Sciences (retired),
Editor-in-chief of the journal *Thermal Science*