



Dr. Pavel KOZLOV

Biography

Pavel Kozlov, 70, has graduated the Metallurgical Faculty of the North Caucasian Mining and Metallurgy Institute (Russia). After Institute he took part in start-up and development of technology of zinc, lead, cadmium and indium production technologies at Almalyk Zinc Plant (Uzbekistan). He supervised the work of Waelz plant for production of zinc, lead, cadmium and indium in the form of fumes. Together with the specialists of VNIItsvetmet (the Eastern Mining and Metallurgical Research Institute for Non-ferrous Metals) and Sredazniptsvetmet (the Central Asian Scientific and Research Institute for Non-ferrous Metals) Institutes he developed the technologies of non-ferrous metals extraction from wastes and industrial products of non-ferrous metallurgy.

Having received the scientific and industrial experience, he became to work in VNIItsvetmet Institute, the leading institute of metallurgy in Russia. He supervised the work of department of complex treatment of raw materials, containing zinc, lead, indium and cadmium. Pavel Kozlov defended the Ph.D. thesis (1984) and doctoral thesis (1998). In 2009 awarded the title of Professor.

The principle direction of his scientific work is the development of theoretical basis, technologies and equipment of energy-saving environmentally benign treatment processes of zinc and polymetallic sulphide and technogenic raw materials, concentrates.

The scientific school was created to develop resource-saving low-waste technologies for zinc, lead, cadmium and indium production.

The developments are important not only for ferrous and non-ferrous metallurgy, but also for chemical and cement industries.

Combining the scientific and operational activities with pedagogical, Pavel Kozlov pays great attention to preparation of qualified engineers-metallurgists and postgraduate students.

Pavel Kozlov works with the leading institutes of Russian Federation:

- Russian Federation State Scientific Center – Gintsvetmet Institute,
- Ural Federal University named after the first President of Russia B. N. Yeltsin,
- South Ural State University

to prepare the course of lectures of zinc and accompanying elements metallurgy. The lectures are presented in Russia and abroad.

Over the last 10 years four Doctors and four Candidates of Engineering Science have been prepared.

The low-waste environmental safe pyro-hydrometallurgical technologies of processing the oxidized and sulphide zinc raw materials, developed by authorship, scientific management and

direct creative participation, have been introduced in a large Zinc Plants in Russia, Kazakstan, Uzbekistan, Turkey, Brazil (Juiz de Fora); Chelyabinsk, Almalyk, Riddersk, Ust-Kamenogorsk and Vladikavkaz Zinc Plants, Cinkur (Turkey).

The President of the Russian Federation awarded the titles of honor for Kozlov P.:

- “Russian Federation Honored Inventor” (2001)
- “Russian Federation Honored Worker of Science” (2010).

The materials of scientific papers and lectures are published in 9 monographs, translated in Russian, English and Polish languages. The list of scientific works includes 353 published works among them: 9 monographs, 246 articles and proceedings, 98 patents.

In 2002 and 2014 the government of Russian Federation awarded the premium to Kozlov P. for development and introduction of the innovative technologies for zinc, lead, cadmium, indium and tin production.

At the present time Kozlov Pavel is a member of editorial staff of Non-ferrous Metals Journal and a member of Academic Council for defense of Ph.D and doctoral thesis of Gintsvetmet Institute.