

Obituary

VITALIY IVANOVICH KARMAZIN (1912–2002)

The staff of the National Mining University of the Ukraine and the International Scientific Community have lost an outstanding scientist and researcher. Professor of the Mineral Dressing and Head of Department Vitaliy Ivanovich Karmazin died on June 4, 2002 at the age of 90. He was the Doctor of Technical Sciences and a member of the Editorial Board of the International Journal *Magnetic and Electrical Separation*.

Professor Karmazin was the Head of the Department of Mineral Dressing at the National Mining University for a long time. He was also the Research Manager of the Department of Magnetic Beneficiation of the National Mining University, a member of the Council for Physical and Technical Problems of Beneficiation and of the Science Council for problems of the Kursk Magnetic Anomaly, Vitaliy Ivanovich was also the executive editor of the National Journal *Mineral Dressing*.

Vitaliy Ivanovich Karmazin was born on March 23, 1912. He graduated from the Dniepropetrovsk Metallurgical Institute in 1935 and in 1939 he obtained his post-graduate degree. Until 1941 he worked as the Assistant Professor in the Dniepropetrovsk Metallurgical Institute. After the end of the World War II he was in charge of the Mining Research Laboratory in Krivoy Rog. Under his leadership the laboratory designed and constructed novel beneficiation devices. Later this Laboratory became the basis of the newly established Institute of Iron Ore Beneficiation and Agglomeration, now well known throughout the Ukraine and abroad. Until 1961 V.I. Karmazin was the Deputy Director of Science in the Institute.

In 1960, V.I. Karmazin obtained his Doctor of Sciences degree. From 1961 until 1973 Vitaliy Ivanovich was the Head of Department of Mineral Dressing in the National Mining University in Dniepropetrovsk. When he joined the Department, scientific activity in the area of mineral processing increased considerably. He created a scientific school of high-gradient magnetic separation.

Vitaliy Ivanovich Karmazin is the author of about 400 scientific articles and reports, including more than 30 textbooks and monographs and 85 patents. Under the leadership of Professor Karmazin more than 70 post-graduate students obtained their post-graduate degrees and four of his disciples became Doctors of Science.

V.I. Karmazin's scientific and engineering work became well known nationally and internationally. His works on beneficiation of magnetite and of oxidised ores, manganese ore and mineral sands, on coal desulphurization and metallurgical fuel gasification and on recycling of metallurgical wastes are particularly well known.

Vitaliy Ivanovich Karmazin was an outstanding, versatile and multifaceted personality. He loved life, loved his work and loved his family. He was a good sportsman, a connoisseur of literature, particularly of poetry. He always surrounded himself with active and creative people. Many prominent scientists and talented engineers started their activity under his leadership. His life and his creative heritage will serve as a source of inspiration for a new generation of investigators.

Colleagues and Friends