
VITALIY IVANOVICH STAROSTENKO

(On the seventy five-year-old Jubilee)



In April this year Vitaliy I. Starostenko, the famous Ukrainian scientist geophysicist in the field of theory of potential fields interpretation, automatized processing and interpretation of gravimetric and magnetometric data systems creation, theories and methodology, solving of inconsistently stated problems of geophysics, the problems of density models of the Earth's crust and upper mantle formation, celebrated the 75th anniversary.

Vitaliy I. Starostenko is a Candidate of technical sciences (1966), Doctor Sciences in physics and mathematics (1977), Professor (1984), Corresponding member of the National Academy of Sciences (NAS) of Ukraine (1985), Full Member NAS of Ukraine (1990), Full Member of the New York AS. Head of the Deep Processes of the Earth and Gravity Department of the Institute of Geophysics of the Academy of Sciences of Ukraine (since 1976), Deputy Director (1975—1991), Director of this institute (since 1992), Research Geosciences Department NAS Deputy Academician-Secretary (1978—1988) and Academician-Secretary (1988—2004), Member of the Presidium of NAS of Ukraine (1988—2004), State Prize of Ukraine in the field of science and technology (1984, 1995), The honorary title "Honored Scientist and Technician of Ukraine" (1997).

Vitaliy I. Starostenko was born on April 13, 1935 in Kyiv. His parents were technologists and this pre-

destined his lucky future connected with science. But firstly there was the war, evacuation and occupation in Debaltsevo, returning to the destroyed Kyiv, hard postwar school years. All this impressed in his memory. He is up to this day unpretentious, modest, responsive and attentive to his family, friends and colleagues.

After school leaving he studied at the Geological Department of Kyiv State University, where he got the Diploma of engineer geologist-geophysicist. Vitaliy I. Starostenko had worked for three years as an engineer-operator, engineer-interpretor and the Chief of group in the Kyiv geophysics exploring expedition Trust "Ukrgeophysrozvidka" field parties. The experience of these gravimetric measurements and their further interpretation became an impulse, which inspired Vitaliy I. Starostenko in 1961 to enter the postgraduate courses of the Institute of Geophysics of the Academy of Sciences of USSR. His scientific adviser was one of the most famous geophysicists (in theory and practice) in the field of interpretation of potential fields — I. A. Balabushevitch. Since that time all Vitaliy I. Starostenko's follow-up life was strongly related to the Institute of Geophysics of the National Academy of Sciences of Ukraine, where he rose from Junior Researcher to Director of the Institute.

Scientific interests of Vitaliy I. Starostenko were first of all connected with the theory of potential field interpretation. Vitaliy I. Starostenko defended the Theses of candidate of science in Technical Sciences at the Institute of Geophysics of National Academy of Sciences of Ukraine in 1966.

Vitaliy I. Starostenko was one of the first in the Former USSR who began the creation of automated systems of processing and interpretation of gravity and magnetometry data by computers.

In 1970 his first monograph "Determination of vertical derivatives of gravity potential according to the results of observations with horizontal gradiometer" was published. For his work "Automated system of gravimetry and magnetometry in-line processing" (in co-authorship with G. S. Butakov et al.) he was awarded a Golden medal of the USSR Exhibition of Economic Achievements in 1972.

In 1977 Vitaliy I. Starostenko successfully defended doctoral thesis at the Moscow State University. In a year it was edited as a fundamental monograph "Stabile numerical methods in gravimetry problems". Its scientific value is confirmed today by high index of citing in all publications dedicated to the problems of theory and methods of solving incorrectly set problems of geophysics.

He is a co-author of the fundamental publication "Gravimetric exploration. Reference Book of Geophysics", which was twice edited (1981, 1990).

Vitaliy I. Starostenko's works were edited not only in Ukraine and Russia, but in Austria, England, Italy, India, China, Netherlands, Poland, Romania, USA, Turkey, France, Czechoslovakia, Sweden, Switzerland, Japan. His contacts with leading foreign scientists helped coworkers of the Geophysics Institute to conduct investigations within the bound of international programs and projects. In 1996—2002 he was the member of Scientific Committee of the International program "EUROPEROBE" and executor of "EUROPROBE" and "DOBRE" projects of the International Science Fund. During the last years the results of geological and geophysical research conducted under the "EUROPROBE" program were edited in Russia and European Union as the monograph "Structure and Dynamics of the Lithosphere of Eastern Europe" with Vitaliy I. Starostenko's participation in the editorial board. Vitaliy I. Starostenko for many times edited the special issue of "Tectonophysics" journal, was the expert of the INTAS-projects. This activity of Vitaliy I. Starostenko promoted prestige of Ukraine in the field geophysical investigations.

Vitaliy I. Starostenko is Member of the editorial boards of the journals "Bulletin of National Academy of Sciences of Ukraine", "Reports NAS of Ukraine", "Geology and Mineral Resources of the World

Ocean", "Space Science and Technique", Editor-in-chief of the international "Journal of Geophysics".

Vitaliy I. Starostenko is the member of Ukrainian National Committee on State Prize in the field of science and technology (geology, geography and geophysics section).

Vitaliy I. Starostenko pays much attention to post-graduate students training. There are 27 young scientists from different countries of CIS and abroad who defended their candidate theses under his supervision.

Thanks to his theoretical and practical developments in the process of these projects realization he succeeded in getting new data about the deep structure of the East European platform, structure of the Dnieper-Donets depression basement, Velykyi Kryvyi Rih iron ore deposits bottom, deep structure of the Northern part of the Siberian platform, Northern part of the Indian Ocean and the Atlantic Ocean, the Black Sea, Guinea shelf. This list of scientific achievements can be much extended, much has been done, but much more has to be done. With hope for productive work and cooperation, with best wishes of health, inspiration, cheerfulness and new scientific achievements "Geology Journal" Editorial staff and scientific community congratulates Vitaliy I. Starostenko on his 75th Jubilee.

Editorial board "Geological journal "