

NELLIE VATSLAVOVNA TUMEL
(16.09.1935–17.01.2019)

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On January 17, 2019, associate professor Nellie Vatslavovna Tumel, a second-generation permafrost researcher, passed away. Nellie Vatslavovna will be remembered as a talented teacher, the founder of the geoeological scientific direction at the faculty of cryolithology and glaciology of the department of geography, MSU; as a scholar of the broad scientific outlook, an optimistic and helpful person.

Geocryology, Nellie Vatslavovna Tumel



Nellie Vatslavovna Tumel was born on September 16, 1935 in Leningrad into a family of prominent permafrost scientists. Her father, Vatslav Feliksovich Tumel, was among the first permafrost scientists (together with M.I. Sumgin) who founded a new branch of science. After graduating from the permafrost faculty of the geology department of the Moscow State University in 1958, Nellie Vatslavovna began to work in the geography department of the Moscow State University, having made a career from a laboratory assistant to an associate professor of the faculty of cryolithology and glaciology.

Her interest in science is related to solution of geoeological problems of the permafrost zone, the study of cryogenic processes, seasonal freezing and thawing, permafrost-landscape indication and mapping.

Nellie Vatslavovna Tumel conducted permafrost landscape studies in Bolshezemelskaya tundra, in Taymyr, Western Siberia, Amur, Altai, Tien Shan, Cauca-

sus, Khibiny Mountains and other regions for more than 50 years, which allowed her to found and head a new scientific direction of the faculty of geoeology of plains and mountains of the permafrost zone back in the 1990s. She authored more than 140 studies and permafrost maps in seven atlases: *The Ecological Atlas of Russia*, *The National Atlas of Russia*, the atlases of the Yamal-Nenetsky and Khanty-Mansiyski autonomous districts, etc.; she co-authored four textbooks: *Cryolithology*, *Regional Cryolithology*, *Basics of Geocryology*, *Geoeology of the Cryolithozone*; maps *The Cryolithological Map of the USSR*, *The Map of Permafrost Conditions of the Non-chernozem Zone of RSFSR*.

Nellie Vatslavovna Tumel was a talented teacher, loved by her students. She organized and conducted training in the lower reaches of the Yenissei River for her students for more than 20 years. Nellie Vatslavovna Tumel developed an original method of teaching 11 courses (permafrost survey and mapping, geology of the permafrost zone, nature protection and optimi-

zation of nature use in the Arctic, etc.), which were very popular with the students. Under her guidance, four candidate's theses were defended, as well as dozens of qualifying papers. She prepared many specialists now working in different parts of Russia conducting research and teaching students.

For many years, Nellie Vatslavovna Tumel was a deputy head of the faculty for tuition, deputy chairperson of the department's committee for tuition and methodology, a member of the state qualifying commission. N.V. Tumel was awarded the title of the Best Associate Professor of the Geography Department

and a badge of honor *Honored Lecturer of MSU*, she was awarded a medal *850 Years of Moscow* with an anniversary badge *250 Years of Moscow State University Named after Lomonosov*.

Nellie Vatslavovna was always known for her high professionalism, broad outlook and curiosity, optimism, kindness and openness, her dedication to the faculty, department and the geographical science in general.

The members of the faculty of cryolithology and glaciology will miss her knowledge, ideas, and friendly attitude.