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*Fifth International Conference,
Dedicated to N. W. Timofeeff-Ressovsky
and His Scientific School*

«MODERN PROBLEMS OF GENETICS,
RADIOBIOLOGY, RADIOECOLOGY,
AND EVOLUTION»

Nor Amberd, 5–10 October 2021

*ABSTRACTS OF PRESENTATIONS
MEMORIES & DISCUSSIONS
LECTURES*

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TO THE HISTORY OF THE URAL RADIOECOLOGICAL N.V. TIMOFEEV-RESOVSKY'S SCHOOL

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The beginning of the history of the Ural radioecological N.V. Timofeev-Resovsky's school is associated with the Laboratory "B", which worked from 1946 to 1955 in the village of Sungul, Chelyabinsk region to solve the problems of protection from radiation in the USSR Atomic Project. In 1950, the first scientific reports on radiation (experimental) biogeocenology appeared, the author of which was Elena Alexandrovna Timofeeva-Resovskaya, the leader was Nikolay Vladimirovich Timofeev-Resovsky. These works were declassified in 1954. In 1963, E.A. Timofeeva-Resovskaya summarized the results of her long-term research in the monograph "Distribution of radioisotopes by the main components of freshwater reservoirs".

The formation of the Ural radioecological school began in 1955, when N.V. Timofeev-Resovsky organized the Laboratory of Biophysics with 16 employees at the Institute of Biology in Sverdlovsk (now Yekaterinburg). At the same time, under his leadership, a biological station "Miassovo" was built in the Ilmensky state reserve near the city of Miass, Chelyabinsk region. Here radioecological studies were continued on the basis of the general doctrine of the biosphere created by V.I. Vernadsky and the biogeocenological ideas of V.N. Sukachev. In addition, the Miassovo biological station is famous for seminars that have had a significant impact on the development of biomedical sciences in our country.

From 1964 to 1993, the laboratory, created by N.V. Timofeev-Resovsky, was headed by Nikolay Vasilievich Kulikov. The successor of the biological station "Miassovo" in 1979 was the Biophysical Station (radioecological station) near the Beloyarsk NPP named after I.V. Kurchatov in the town of Zarechny. In 1982, the Department of Continental Radioecology of the Institute of Plant and Animal Ecology was organized on the basis of the laboratory. Since 1993, the Department and the Biophysical Station have been headed by Alexander Viktorovich Trapeznikov. The history of the radioecological N.V. Timofeev-Resovsky's school in the Urals continues.