

JOINT INSTITUTE FOR NUCLEAR RESEARCH



# MEETING IN NOR AMBERD

*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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## **N.W. TIMOFEEFF-RESSOVSKY IN TAJIKISTAN**

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In the early 70s of the last century, a delegation of scientists from the Academy of Sciences USSR, headed by academician N.V. Tsitsin with professors P.A. Genkel, N.N. Konstantinov (from Russian Federation) and Yu.S. Nasyrov (from Tajikistan) visited a number of research centers in the GDR. Visiting the Central Institute of Genetics and Plant Research of the Academy of Sciences of the German Democratic Republic in Gatersleben, they knew about the outstanding scientist - genetics N.W. Timofeeff-Ressovsky.

Later, N.W. Timofeeff-Ressovsky was invited by tajik scientists to Tajikistan. Visit of Institute of Plant Physiology and Biophysics of Academy of Sciences of the Republic of Tajikistan, and familiarization with the research on photosynthesis carried out in Institute made a great impression on N.W. Timofeeff - Ressovsky. When discussing the main results and prospects of research on photosynthesis the idea of new direction of Genetics was first born, it was genetic of photosynthesis. New horizons opening up in this regard prompted N.W. Timofeeff-Ressovsky to publish in 1968 an article on the topic: "Genetics and physiology of plants." In this work, in essence, the emergence of a new section - the genetics of photosynthesis, was proclaimed, aimed at studying the phenomena of heredity and variability of the system of signs of the photosynthetic apparatus at various levels of life organization.

N.W. Timofeev-Ressovsky was directly involved in the final edition of the program of the International Symposium on the Genetic Aspects of Photosynthesis. Prominent scientists from the USA, Germany, Denmark, Hungary and other countries took part in the work of the forum, which was held in Dushanbe in October 1972. Research by Tajik scientists in the field of the genetic basis of photosynthesis was highly appreciate at this symposium and Institute of Plant Physiology and Biophysics was recognized as the head one, in charge of all research on the genetics of photosynthesis carried out in the Soviet Union. Recognition of the significant contribution of Tajik scientists to the development of new direction was the adoption by the program committee of the decision to organize a separate section "Genetics of photosynthesis" at the XIV International Genetics Congress in Moscow in 1978.