

Khotyleva Lyubov V.



Born in Gomel (Belarus). Doctor of Biological Sciences (1966), professor, academician of the Belarusian Academy of SSR (1980), an outstanding scientist in plant genetics. Graduated from the Agricultural Institute (now the Belarusian State Agricultural Academy) in Gorki of the Mogilev Region (Hons.) (1948). Postgraduate at the Department of Genetics of M.V. Lomonosov Moscow State University (PhD, 1953). Since 1955, L.V. Khotyleva held different posts from junior researcher at the Institute of Biology to Academician-Secretary (1992) of Department of Biological Sciences of the Academy of Sciences of Belarus. For 24 years she successfully led the Institute of Genetics and Cytology. Under her leadership 45 PhD works and 6 doctoral (DSc) theses were defended. A participant of many international congresses and conferences.

Qualification: plant genetics, genetic basis of heterosis, mathematical genetics, breeding and biotechnology.

Investigations were related to combining ability in plants; first in the former USSR the mathematical models were developed for heterosis to evaluate the role of individual genetic factors and the environment in expression of economically important quantitative traits in crops. A method of reciprocal recurrent breeding of interline hybrids basing on intervarietal crosses was modified. The work is done on the use of wheat aneuploids in cytogenetic, genetic and breeding research. Genetic studies were initiated on triticale with the high-yielding varieties of this crop obtained. The author of tomato, pepper varieties. The research is underway to improve the genetic potential of flax productivity. In recent years, investigations are conducted to expand the use of tissue and cell cultures in plant genetic studies and breeding.

Author of over 400 scientific papers, including 18 monographs ($h = 3$).

Honored Scientist of the Byelorussian SSR, State Prize of the Byelorussian SSR, the President of the International Association of Societies of geneticists and breeders of the CIS countries, many years headed the Belarusian Society of Geneticists and Breeders. For a number of years was a member of the Presidium of the National Academy of Sciences, member of the Presidium of the USSR and WAC WAC Belarus, member of the Board ISSEP, Head of the Section of Biological Sciences of the Belarusian Republican Foundation for Fundamental Research. Awarded the Order of Lenin, Red Banner of Labor, Skarina.

Publications (examples):

FLAX SPECIES POLYMORPHISM FOR ISOZYME AND METABOLIC MARKERS

Yurenkova S.I., Kubrak S.V., Titok V.V., Khotyljova L.V.

Russian Journal of Genetics. 2005. T. 41. № 3. C. 256-261.

FORMATION OF NEW ORIGINAL MATERIAL BASED ON THE GENETIC HETEROGENEITY OF THE DISOMIC OFFSPRING OF ANEUPLOID WHEAT PLANTS

Shapturenko M.N., Kudelko L.I., Yatsevich A.P., Khotyljova L.V.

Russian Journal of Genetics. 2003. T. 39. № 11. C. 1265-1270.

DEVELOPMENT OF COMMERCIALY VALUABLE TRAITS IN HEXAPLOID TRITICALE LINES WITH AEGILOPS INTROGRESSIONS AS DEPENDENT ON THE GENOME COMPOSITION

Adonina I.G., Tereshchenko O.Y., Shumny V.K., Salina E.A., Orlovskaya O.A., Koren L.V., Khotyleva L.V.

Russian Journal of Genetics. 2011. T. 47. № 4. C. 453-461.