

CURRICULUM VITAE

Bashtan Natalia Oleksandrivna

Date of Birth: November 18th 1971

Education:

1988-1993 – Kharkiv National Agrarian University named after V.V. Dokuchayev, specialty “Breeding and Genetics of Agricultural Crops”

1999-2001 – Postgraduate studies at The Institute of Vegetable and Melon Growing of the National Academy of Agrarian Sciences of Ukraine, specialty “Breeding and Seed Production”

Scientific degree: Candidate of Agricultural Sciences, specialty “Breeding and Seed Production” (2013)



Scope of Activity: plant biotechnology in the breeding and seed production of vegetable crops, gametic selection, molecular research, genetic resources of vegetable crops, growing asparagus and sweet potatoes

Personal qualities: responsible, constantly try to improve my professional level.

Employment:

1997 - present – The Institute of Vegetable and Melon Growing of the National Academy of Agrarian Sciences of Ukraine in the following positions: agronomist, junior researcher, researcher, senior researcher of the laboratory of genetics, genetic resources and biotechnology

In 2013, I defended the thesis for the degree of candidate of agricultural sciences on the topic «Features of the Vegetable Root Crops at the Morphological and Molecular Genetic Level».

Currently, I am dealing with the problem of the development of elements of accelerated selection of tomato rootstocks with complex resistance to biotic and abiotic environmental factors using the new technology of micrografting *in vitro*. Also I am taking part in research work on the introduction of sweet potato in the conditions of the Ukrainian forest-steppe, the development of elements of technology for the green asparagus production, as well as the cryopreservation of meristems and seeds of vegetable plants.

Author of 2 varieties and 1 hybrid of tomato, 2 varieties sweet potatoes, 1 variety of radish.

The results of scientific research are covered in 90 publications, including patents for a useful model and scientific works published in domestic and foreign professional editions.

Took part in 27 conferences (by specialty profile). International experience was gained during speeches at the conferences "The 1st International Electronic Conference on Plant Sciences: 9th Anniversary of Journal Plants session “Plant Response to Stresses and Changing

Environment" (December 1-15, 2020, Basel, Switzerland) and "The 2nd International Electronic Conference on Plant Sciences: 10th Anniversary of Journal Plants session "Plant Response to Stresses and Changing Environment" (December 1-15, 2021, Basel, Switzerland), for which participant certificates were obtained.

Attended training courses for scientific workers at the Plant Production Institute named after V.YA. Yuriev of the National Academy of Agrarian Sciences of Ukraine in the specialty "Plant Breeding for Immunity to Biotic Factors" (2013), in the specialty "Genetics of Complex Traits and Information Support for Breeding and Genetic Research" (2018), in specialty "Formation, Management, Effective Use of Collections of Genetic Resources of Plants" (2022).

Member of the coordination and methodical council on problems of vegetable and melon growing; of the Scientific Council, secretary of the Methodical Commission for Breeding and Seed Production of the Institute of Vegetable and Melon Growing of NAAS, member of the editorial board of the interdepartmental thematic scientific journal "Vegetable and Melon Growing".

On December 9, 2021, I received certificate No. 21120974302, in accordance with the pan-European recommendation on language education, which confirms a sufficiently high level of command of a foreign language B2 (Cambridge Assessment English)

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