

CURRICULUM VITAE MIROSHNICHENKO TETIANA MYKOLAIVNA

Date of birth: August 14, 1988.

Education:

1. V. N. Karazin Kharkiv National University, specialty «ecology and environmental protection», Master's degree (2005 – 2010);

2. Postgraduate study at the Institute of Vegetable and Melon Growing of the National Academy of Agrarian Sciences of Ukraine, specialty «Breeding and Seed» (2012 – 2015).

Scientific degree: Candidate of Agricultural Sciences in specialty 06.01.05 «Breeding and Seed» (2016).

Field of activity: agricultural biotechnology in breeding and seed growing of vegetable crops, storage of plant genetic resources by *in vitro* methods.

Employment:

After postgraduate study, from 2015 until now, I have been working in the laboratory of genetics, genetic resources and biotechnology of the Institute of Vegetable and Melon Growing of NAAS in the following positions: junior staff researcher (2015 – 2016), staff researcher (2016 – 2019), senior staff researcher (2019 – present time).

Also, since 2016, I have been a member of the coordination and methodical council on the problems of vegetable and melon growing of the Institute.

Research activities:

As an employee of Institute of Vegetable and Melon Growing I participated in 6 state applied and fundamental research projects.

For 10 years, I have been engaged in the development of biotechnological methods intended for use in the breeding of vegetable crops, in particular tomatoes. I am working on the problems of *in vitro* selection of breeding material resistant to biotic and abiotic factors, induced androgenesis, clonal micropropagation of interspecific hybrids and sterile forms, development of techniques for restoring seed germination *in vitro*.

In 2016, I defended the thesis for the degree of candidate of agricultural sciences on the topic «The Initial Material for Tomato Breeding Created by the Use of Cell and Tissue Culture *In Vitro*».

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.

Currently, I am dealing with the problem of short-term storage of active *in vitro*-collections of *Solanaceae* plants and 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*.

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



Practical study and advanced training courses:

1. Scientific and practical seminar of young scientists and specialists «Genetically modified organisms in plant protection», Institute of Plant Protection (Kyiv, Ukraine), 2012.
2. Advanced training courses for scientists at the Plant Breeding and Genetics Institute–National Center of Seed and Cultivar Investigation (Odesa, Ukraine) in the areas of «Breeding and seed production of agricultural crops», «Theoretical foundations of breeding», «DNA technologies in plant breeding», «Use of *in vitro* culture in plant breeding», 2013;
3. Master-class within the framework of the International scientific conference «Increasing the resistance of plants to diseases and extreme environmental conditions in connection with the tasks of breeding», the Plant Production Institute named after V. Ya. Yuriev (Kharkiv, Ukraine), 2013;
4. Advanced training courses for scientists «Plant breeding for immunity to biotic factors» at the Plant Production Institute named after V. Ya. Yuriev, 2013;
5. Advanced training courses for scientists «Genetics of complex traits and information support of breeding and genetic research» at the Plant Production Institute named after V. Ya. Yuriev, 2014;
6. The on-line training «Greenhouse Management Workshop: Integrated Disease & Insect Management», The Ohio State University, College of Food, Agricultural and Environmental Sciences, USA, 2022 p.
7. Advanced training courses for scientific and educational workers «Formation, management, effective use of collections of plant genetic resources» at the Plant Production Institute named after V. Ya. Yuriev, 2022.

Contacts:

E-mail: miroshnichenkotetiana@gmail.com

ORCID: 0000-0003-4373-6651