

CV
Shcherbina Serhiy Oleksandrovich

Date of birth: 22.03.1978

Education:

- Kharkiv National Agrarian University named after V.V. Dokuchayev, specialty "agrochemist soil scientist" qualification "scientist agronomist" (1995-2000)
- Postgraduate Course of the Institute of Vegetable and Melon Growing, Kharkiv (2001 – 2004)



Scientific degree: - candidate of agricultural sciences, (06.01.14 – seed production (2007))

Academic title: - senior researcher (06.01.06 - vegetable growing (2012))

The field of activity – Agriculture

Employment:

Chief agronomist, OPEN JOINT STOCK COMPANY "TARANIVKA" (2000-2001)
From 2001 to the present, I have been studying at a graduate school and working in various positions at the Institute of Vegetable and Melon Growing of the National Academy of Sciences (Merefa, Kharkiv Region).

- a junior researcher in the laboratory of technology (2003-2006).
- a researcher in the laboratory of technology. (July-August 2006).
- a storage sector researcher (2006-2007)
- a researcher of the storage, processing, and standardization laboratory (2007-2008)
- a senior researcher of the laboratory of storage, processing, and standardization (2008 - 2011)
- a senior researcher of the laboratory of variety research and seed production (2011 - 2013)
- a senior researcher of the laboratory of adaptive vegetable growing, storage and standardization (2013 - 2021)
- the head of the laboratory of adaptive vegetable growing, storage and standardization. (From September 2021 - the present time)

During the period of my work: there were developed elements of resource-saving technologies for the production of edible roots and seeds (2001-2005); there was investigated the influence of methods of irrigation and application of mineral fertilizers on the preservation of commercial vegetables and queens of two-year vegetable crops (2006-2015), a physiological-biochemical model of products suitable for long-term storage (2006-2010); methods of increasing the shelf-life of fresh vegetables of two-year-old vegetable crops using pre-harvest and post-harvest treatments (2011-2015); also, there were created methods and recipes for salting the fruits of the Nizhyn

variety of cucumber using spicy and flavorful raw materials of local origin (2016–2018) and scientific principles of controlling quality and shelf life of vegetable products (2016–2020)".

The results of the research have been covered in more than 120 scientific publications, more than 30 of them are in the list of popular scientific publications ("Vegetables and Fruits", "Plantator", etc.), I have experience of public speaking on TV, I have participated in scientific conferences with reports, cooperated with farmers, producers of vegetable products, on providing consulting services and solving problematic issues of production technology.

Now my activity is related to the study of the influence of biotic and abiotic factors on the physiological and biochemical processes of forming the yield and quality of shallots and winter garlic under alternative methods of cultivation, which includes: substantiation of the effect of ozone on pests and diseases and the quality of planting material onion vegetable plants; determining the effect of biotic factors on the formation of quality and productivity of onion vegetable plants; justification of the effectiveness of using alternative methods of growing onion vegetable plants.

Personal qualities:

communicative, responsible, easily get new knowledge and skills, proactive, like solving complex production issues.

Teaching experience in conducting practical classes and seminars:

1. A teacher of the educational and scientific program "Agronomy" of the third level of higher education of the Institute of Vegetable and Melon Growing of the National Academy of Sciences in the disciplines: "Methodological foundations of the organization and conduct of scientific research", "Quality management and certification of vegetable products", "Storage and processing of vegetable products" (2017–2022)

2. Organization and holding of Field Days at the Institute of Vegetable and Melon Growing of the National Academy of Sciences: "Feast of the Ukrainian Tomato" (tasting organization) (August 14, 2018).

Project work experience:

Development of about 20 National Standards of Ukraine for planting material, fresh vegetables, cultivation, and storage technologies (from developing projects to their approval and adoption as national standards).

Now I am a co-executor of the contract of "Dupont Ukraine" LLC (TOV) for characterization tests of pesticides.

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