



CONTACT INFORMATION	<p>Sumy, H. Kondratiieva Str., 144/2, apt. 29, 40021 +38 (067)542 0855 vtrotsenko@ukr.net</p>
EDUCATION	<p>Specialist, specialization "Agronomy" Crop growing technologies, farming Sumy branch of Kharkiv Agricultural Institute named V.V. Dokuchaev Dipl. Ing. (University)</p>
RESEARCH DEGREE AND TITLE	<p>1994 - Candidate of biological sciences, specialty - Botany Botany, plant growing, plant physiology 2014 - Doctor of agricultural sciences, specialty - selection and seed production Sunflower selection, growing technology and seed production</p>
PERSONAL SCIENTOMETRIC ONLINE PROFILES	<p>ORCID: https://orcid.org/0000-0001-8101-0849 http://www.scopus.com/inward/authorDetails.url?authorID=57211326000&partnerID=MN8TOARS Google Scholar: https://scholar.google.com/citations?authuser=1&hl=uk&user=xJuj0ZwAAAAJ</p>
WORK EXPERIENCE	<p>2014 till now Professor, head of the department of Agrotechnology and soil science, faculty of Agrotechnology and environmental management, Sumy National Agrarian University Experience of research and / or research and teaching work – 32 years</p>

MAIN RESEARCH PUBLICATIONS

(research articles, publications, monographs, etc.)

No more than 10 for the last 5 years (with e-links)

- Chengqi Li, Yuanzhi Fu, Qiao Liu, Lei Du, Volodymyr Trotsenko A review of genetic mechanisms of early maturity in cotton (*Gossypium hirsutum* L.). *Euphytica* 216, 120 (2020). <https://doi.org/10.1007/s10681-020-02656-0>
- Trotsenko, V., Kabanets, V., Yatsenko, V., & Kolosok, I. (2020). Models of sunflower productivity formation and their efficiency in the conditions of the north-eastern Forest-Steppe of Ukraine. *Bulletin of Sumy National Agrarian University. The Series: Agronomy and Biology*, 40(2), 72-78. <https://doi.org/10.32782/agrobio.2020.2.9>
- Volodymyr TROTSENKO, Melaniya NESMACHNA, Halyna ZHATOVA, Victor KABANETS, Andriy MELNYK Study of buckwheat collection suitable for summer sowing. *AgroLife Scientific Journal – Vol. 9, № 2, 2020. – p. 339-346.* <https://agrolifejournal.usamv.ro/index.php/agrolife/article/view/286/285>
- M.V. Radchenko, V.I. Trotsenko, Z.I. Hlupak, E.A. Zakharchenko, O.M. Osmachko, V.V. Moisiienko, V.Z. Panchyshyn, S.V. Stotska. (2021). Influence of mineral fertilizers on yielding capacity and quality of soft spring wheat grain. *Agronomy Research* 19 (4), 1901–1913. <https://doi.org/10.15159/AR.21.104>
- Trotsenko, V. I., Zhatova, H. O., Yatsenko, V. M., & Kolosok, I. O. (2021). INFLUENCE OF RETARDANTS ON PLANT GROWTH AND SUNFLOWER YIELD STRUCTURE. *Bulletin of Sumy National Agrarian University. The Series: Agronomy and Biology*, 43(1), 55-64. <https://doi.org/10.32845/agrobio.2021.1.8>
- Liuliu Wuac, Yongang Yua, Xiaotian Suia, Ye Taoac, Halyna Zhatova, Puwen Songa, Dongxiao Lia, Yuanyuan Guana, Huanting Gaoa, TrotsenkoVolodymyr, Qiaoyan Chenac, Haiyan Hua, Chengwei Liab. A novel wheat β -amylase gene *TaBMY1* reduces Cd accumulation in common wheat grains. - *Environmental and Experimental Botany*. - Volume 203, November 2022. <https://doi.org/10.1016/j.envexpbot.2022.105050>
- Li, C., Fu, Y., Trotsenko, V. et al. Understanding the physiological and molecular mechanisms of grain cadmium accumulation conduces to produce low cadmium grain crops: a review. *Plant Growth Regul* 103, 257–269 (2024). <https://doi.org/10.1007/s10725-023-01105-x>
- Fu, Y., Trotsenko, V., Li, Y. et al. Combined bulked segregant analysis and Kompetitive Allele-Specific PCR genotyping identifies candidate genes related to the node of the first fruiting branch in upland cotton (*Gossypium hirsutum* L.). *Euphytica* 220, 175 (2024). <https://doi.org/10.1007/s10681-024-03432-0>

MAIN RESEARCH ACHIEVEMENTS RELATED TO THE TOPIC OF THE PROJECT

(patents, copyright certificates, internships, etc. up to 3 achievements)

Patent for the plant variety Choral (*Sunflower annua*) (230316). 07/19/2023

Patent for the plant variety Kwartet (*Chenopodium guinoa* Willd.) (230287). 09/05/2023

Patent for the plant variety Komuza (*Chenopodium guinoa* Willd.) (240105). 05/02/2024