



PIVTORAIKO VIKTOR

Date of birth 11 April 1995

Citizenship Ukrainian

Contact information*

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https://snau.edu.ua/science/profile/viktor-pivtorajko/?ref_page_id=64

Personal profiles in scientometric databases*

ID Scopus –

<https://www.scopus.com/authid/detail.uri?authorId=57874313200>

ID Web of Science –

<https://www.webofscience.com/wos/author/record/F-3302-2019>

ORCID –

<https://orcid.org/0000-0003-1625-7401>

Scholar google –

<https://scholar.google.com.ua/citations?user=L0MRVBcAAAAJ&hl=uk>

Education*

1. Sumy National Agrarian University, Sumy (Ukraine), 2014-2016, Bachelor's degree, speciality «Plant Protection», specialisation – plant protection inspector.

Diploma number B16 № 177774 from 30 June 2016.

2. Sumy National Agrarian University, Sumy (Ukraine), 2016-2018, Master's degree, speciality 202 «Plant Protection and



	Quarantine», specialisation – researcher in plant protection and quarantine. Diploma series M18 № 053420 from 23 February 2018.
Academic degree*	Doctor of Philosophy from 19 September 2023, Sumy National Agrarian University, Sumy (Ukraine), 202 «Plant Protection and Quarantine», Diploma series H 23 № 001335.
Professional work experience*	September 2024 to date Senior Lecturer at the Mishnev Department of Plant Protection Sumy National Agrarian University 160, G. Kondratieva str., 40021, Sumy (Ukraine) October 2022 – September 2024 Assistant of the Mishnev Department of Plant Protection Sumy National Agrarian University 160, G. Kondratieva str., 40021, Sumy (Ukraine)
Main research activities	
Participation in collective research projects (no more than 5 positions in the last 10 years)	1) Contractor for the scientific project of the National Academy of Agrarian Sciences of Ukraine, working on the topic "Investigating the resistance of modern genotypes of hemp, long-stalked flax, and oil flax to major phytophagous insects (0119U100752 (0220U101906, 0220U103781)). Completion dates: 01.01.2019 - 31.12.2020. 2) Contractor for the scientific project of the National Academy of Agrarian Sciences of Ukraine "Assessment of the impact of individual elements of technology on the phytosanitary condition of the hemp agrobiocenosis in the conditions of the Left-Bank Forest-Steppe of Ukraine" (0121U108678). Terms of implementation: 01.01.2024 - 31.12.2025. 3) Contractor for the scientific project of the National Academy of Agrarian Sciences of Ukraine, "Justification for the protection of cultivated hemp from pests of generative organs in the Left-Bank Forest-Steppe of Ukraine" (0124U001254 (0224U032789)). Terms of implementation: January 1, 2024 - December 31, 2025. 4) Contractor for the scientific topic of Sumy National Agrarian University "Phytosanitary monitoring and regulation of harmful organisms in agriculture" (0123U104019). Terms of implementation: 01.06.2023 - 31.06.2028.
Main scientific achievements	
Published scientific papers* (no more than 10 items for the last 10 years)	1. Burdulaniuk A., Rozhkova T., Tatorynova V., Bakumenko O., Yemets O., Demenko V., Pivtoraiko V., Spychak Y. (2025). Influence of anthropogenic and climatic factors on the dynamics of penetration and spread of the quarantine pest <i>Tuta absoluta</i> Meyr. in Ukraine. <i>Ecological Engineering & Environmental Technology</i> . 26(1), 280-291. DOI: 10.12912/27197050/195739 (Scopus Q3)



2. Spychak Y., Rozhkova T., Tytova L., Biliavska L., Bakumenko O., Tatarynova V., Yemets O., Demenko V., Pivtoraiko V., Burdulaniuk A. (2025). Changes in the seed and soil micobiota caused by seed treatment with chemical and biological agents. *Ecological Engineering & Environmental Technology*. 26(1), 103-110. DOI: 10.12912/27197050/195636 (Scopus Q3)
3. Radchenko M., Kabanets V., Sobko M., Murach O., Butenko A., Pivtoraiko V., Burko L., Skydan M. (2024). Formation of productivity and grain quality of peas depending on plant growth regulator. *Agriculture and Forestry*. 70(2), 135-148. DOI: 10.17707/AgricultForest.70.2.10 (Scopus Q4)
4. Rozhkova T., Burdulaniuk A., Tatarynova V., Yemets O., Demenko V., Spychak Y., Pivtoraiko V., Bakumenko O., Rozhkova, Y. (2024) Macroanalysis of Winter Wheat Seeds and Features of their Germination. *Ecological Engineering & Environmental Technology*. 25(5), 304-311. DOI: 10.12912/27197050/186126 (Scopus Q3)
5. Pivtoraiko V., Kabanets V., Vlasenko V. (2022) Diversity of the entomocomplex of the grass stand of a hemp field in the north-eastern Forest-Steppe of Ukraine. *Scientific Horizons*. 25(4), 18-29. DOI: 10.48077/scihor.25(4).2022.18-29 (Scopus Q3)
6. Demenko V.M., Yemets O.M., Tatarynova V.I., Burdulaniuk A.O., Pivtoraiko V.V., Bakumenko O.M. (2025) Phytosanitary risks of spread of Russian knapweed on the territory of Ukraine. *Tauride Scientific Bulletin*. 141, 65-71. DOI: 10.32782/2226-0099.2024.141.1.9 (Professional publications of Ukraine, category B)
7. Pivtoraiko, V. V., & Kabanets, V. V. (2024). Entomological diversity of hemp agrocenosis in the Left-Bank Forest-Steppe of Ukraine. *Bulletin of Sumy National Agrarian University. The Series: Agronomy and Biology*, 55(1), 129-137. DOI: 10.32782/agrobio.2024.1.17 (Professional publications of Ukraine, category B)
8. Yemets O.M., Tatarynova V.I., Demenko V.M., Burdulaniuk A.O., Pivtorayko V.V., & Bakumenko O.M. (2025). Harmfulness of *Lixus subtilis* on the introduced culture of quinoa in the North-Eastern Ukraine. *Tauride Scientific Bulletin. Series: Agricultural Sciences*. 140(1), P. 132-140. DOI: 10.32782/2226-0099.2024.140.17 (Professional publications of Ukraine, category B)
9. Pivtoraiko, V. V. (2022). Peculiarities of the development of tumbling flower beetles (Coleoptera: Mordellidae) in hemp field agrocenosis in the north-eastern Forest-Steppe of Ukraine. *Bulletin of Sumy National Agrarian University. The Series: Agronomy and Biology*, 47(1), 108-118. DOI: 10.32845/agrobio.2022.1.15 (Professional publications of Ukraine, category B)
10. Pivtoraiko V., Kabanets V., Vlasenko V. (2020). Harmful



entomofauna of hemp *Cannabis sativa* L. (analytical overview). *Quarantine and Plant Protection*. 262(7-9), 20-25. DOI: 10.36495/2312-0614.2020.7-9.20-25 (Professional publications of Ukraine, category B)

Other significant scientific achievements

(no more than 5 positions for the last 10 years)

1. Pivtoraiko, V. V., & Kabanets, V. V. (2025). Agroecological substantiation of hemp protection against harmful tumbling flower beetles. Symu : FOP Tsoma S.P. ISBN 978-617-8095-58-1
2. General Entomology: Textbook / O.M. Yemets, V.M. Demenko, A.O. Burdulaniuk, V.V. Pivtoraiko. – Sumy: SNAU, 2025. 271 p. Recommended for publication by the Academic Council of Sumy NAU. Protocol No. 20 dated May 26, 2025.

Presentation of scientific results

Keynote (plenary) presentations at conferences of national or international level (except for conferences that have always been held in absentia)

1. Pivtoraiko V., Kabanets V. Technical effectiveness of insecticides against *Helicoverpa armigera* (Hübner, 1808) in the agroecosis of industrial hemp. *Materials of the 2nd International Scientific and Practical Conference "Science and Information Technologies in the Modern World"* (Athens, May 21-23, 2025). 2025. Athens, Greece. P. 37-40. DOI: 10.70286/isu-21.05.2025.
2. Pivtoraiko V.V., Lavchenko Y.V. Harmfulness of the hemp flea beetle *Psylliodes attenuata* (Koch., 1803) depending on the elements of industrial hemp cultivation technology. *XIV international scientific and practical conference "Solving Scientific Problems Using Innovative Concepts"* (Copenhagen, Denmark, March 13-15, 2024) P. 15-17.
3. Tatarynova V., Pivtoraiko V., Shokota V. Phytopathogenic complex of winter wheat agroecosis in the conditions of the Northeastern Forest-Steppe of Ukraine. *Proceedings of the 1st International Scientific and Practical Conference «Scientific Exploration: Bridging Theory and Practice»*, (Berlin 14-16 october 2024). 2024. Berlin, Germany. P. 8-10. https://elibrary.kubg.edu.ua/id/eprint/49880/1/T_Ponomarenko_DMospan_MKonf_FNPPDSVDV_2024_FPO.pdf
4. Tatarynova V., Burdulaniuk A., Bakumenko O., Demenko V., Yemets O., Pivtoraiko V. The influence of winter wheat cultivation technology elements on the development and spread of major crop diseases. *XXV International Scientific and Practical Forum "Theory and Practice of Agricultural Complex Development"* (Dublyany, October 2-4, 2024). Dublyany, 2024. P. 301-304.
5. Pivtoraiko V.V., Kabanets V.V. Some features of the development of the main species of Mordellidae in the hemp agroecosis. *Materials of the international scientific and practical conference "X Congress of the Ukrainian Entomological Society"* (Kyiv, October 2-6, 2023). Kyiv, 2023. P.



115-116.

6. Pivtoraiko V.V., Demenko V.M., Yemets O.M. Trophic structure of the grass stand entomocomplex of a hemp field in the Left-Bank Forest-Steppe of Ukraine. *Materials of the II International Scientific and Practical Conference dedicated to the anniversary dates of the birth of outstanding entomologists, Doctors of Biological Sciences, Professors O.O. Migulya and O.V. Zakharenko, "Plant Protection and Quarantine in the 21st Century: Problems and Prospects"* (Kharkiv, October 19-20, 2023). Kharkiv, 2023. P. 118-120.

7. Pivtoraiko V.V., Kabanets V.V. Tumbling flower beetle (*Mordellistena parvula* (Gyllenhal, 1827)) – a dangerous phytophagous insect of hemp in the Northeastern Forest-Steppe of Ukraine. *Materials of the International Scientific and Practical Conference of the Faculty of Plant Protection of the V.V. Dokuchaev Kharkiv National Agrarian University "Problems of Ecology and Environmentally Oriented Plant Protection"* (Kharkiv, October 29-30, 2020.) Pp. 114-116.

Reports at scientific
conferences* (seminars,
symposia, etc.)

(no more than 10 items for
the last 10 years)

1. Pivtoraiko V. V., Kabanets V. V. Dynamics of the population and harmfulness of *Helicoverpa armigera* (Hübner, 1808) in a hemp field in the Left-Bank Forest-Steppe of Ukraine. *Materials of the All-Ukrainian scientific and practical online conference dedicated to the 90th anniversary of the birth of Stanislav Oleksandrovykh Trybel and Mykola Pavlovych Sekun "Entomological readings in memory of the famous entomologists S.O. Tribel and M.P. Sekun"* (Kyiv, June 3, 2025). Kyiv, 2025. P. 78-81. DOI: 10.36495/TrybelSekun/IZR.2025

2. Pivtoraiko V. Technological features of growing industrial hemp for dual use. *Materials of the V All-Ukrainian Scientific and Practical Conference "Scientific and Innovative Development of Agricultural Production as a Guarantee of Food Security in Ukraine: Yesterday, Today, Tomorrow"* (Kyiv, April 19-18, 2024). Kyiv, 2024. P. 234-236.

3. Pivtoraiko V.V. Kabanets V.V. Distribution and economic significance of *Cannabis sativa* L. *Materials of the III All-Ukrainian Scientific and Practical Conference "Scientific and Innovative Development of Agricultural Production as a Guarantee of Food Security in Ukraine: Yesterday, Today, Tomorrow"* (Kyiv, April 19–20, 2023). Kyiv, 2023. P. 268–270.

4. Pivtoraiko V.V. Kabanets V.V. The influence of different sowing dates of hemp on the number and harmfulness of Mordellidae. *Materials from the All-Ukrainian scientific and practical online conference dedicated to the 110th anniversary of the birth of outstanding entomologists, Academician of the National Academy of Sciences of Ukraine Vadym Petrovych Vasyliev and Professor Mykola Platonovych Dyadchenko* (Kyiv, March 21, 2023). Kyiv, 2023. P. 72-74.

5. Pivtoraiko V.V. Kabanets V.V. Distribution of Mordellidae



larvae in hemp stalks grown for dual use. *Materials from the scientific and practical conference "On the 85th anniversary of the birth of Professor V.G. Vyrovets"* (Hlukhiv, March 5, 2022). P. 142-144

Teaching activity

Main author's training courses in higher education institutions (developed on the basis of own research) (no more than 5 items for the last 10 years)

1. Plant pests, initial level of higher education (short cycle) Sumy National Agrarian University, 5 ECTS credits (2024)
2. Fundamentals of biological protection of plants against pests and diseases, I level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)
3. Plant immunity, I level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)
4. Epiphytology, II level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)
5. Technology for growing and using organisms in biological plant protection, II level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)
5. Pathology of agricultural crop seeds and modern methods of disease diagnosis, II level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)
6. Modern methodology and organization of scientific research on the fundamentals of intellectual property in plant protection and quarantine, II level of higher education, Sumy National Agrarian University, 5 ECTS credits (2024)

Major author's methodological developments (textbooks, manuals, teaching materials, curricula for higher education) (no more than 5 items for the last 10 years)

General Entomology: Textbook / O.M. Yemets, V.M. Demenko, A.O. Burdulaniuk, V.V. Pivtoraiko. – Sumy: SNAU, 2025. 271 p. Recommended for publication by the Academic Council of Sumy NAU. Protocol No. 20 dated May 26, 2025.

Improving scientific qualifications

Scientific internships abroad (for more than 2 months, in higher education institutions or research institutions, except for part-time and excluding CIS countries)

Receipt of the International Educational Grant №EG/U/22-23/06/08 from the International Historical Biographical Institute (Dubai - New York - Rome - Burgas - Jerusalem - Beijing) within the framework of the International Educational Project "East-West" and active participation in the X International program of professional development of heads of educational and scientific institutions, pedagogical and scientific-pedagogical staff "Together with Nobel Laureates: Values, Experience, Knowledge, Competencies and Technologies for the



<i>(no more than 5 positions in the last 10 years)</i>	Development of a Successful Person and the Transformation of the World Around Us" January 13 - March 11, 2023 in the amount of 180 hours or 6 ECTS credits (including 15 hours of inclusive education / 0.5 ECTS credits) and confirms the receipt of the qualifications: "International Head of Category B in the field of Education and Science, according to the UNESCO classification", and "International Teacher / Lecturer"
Scientific internships abroad (for more than 2 months, in higher education institutions or research institutions, except for part-time and excluding CIS countries) <i>(no more than 5 positions in the last 10 years)</i>	International internship, China, Henan Institute of Science and Technology (Entomology, Phytopathology). 180 hours. Order No. 1325/vk/tr dated 01.10.2024.
Membership in independent scientific organisations (non-institutional professional academic associations, societies, unions, unions of researchers, except for trade unions) <i>(no more than 5 positions in the last 10 years)</i>	Member of the All-Ukrainian Public Organization "Ukrainian Society of Geneticists and Breeders named after M.I. Vavilov" (Sumy Regional Branch of the USGB named after M.I. Vavilov). Membership card No. 1895
Knowledge of foreign languages*	English – Level B2 Certificate No:001001519 від 30.04.2024 Common European Framework of Reference (CEFR) City: Kyiv