



Vladyslav Kovalenko

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Personal profiles scientometric databases*

in

ID Scopus – 57328736900

ID Web of Science - ABI-6761-2022

Publons - <https://publons.com/researcher/3189210/vladyslav-kovalenko/>

Mendeley - <https://www.mendeley.com/profiles/vladislav-kovalienko/>

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Scholar *google*

<https://myaccount.google.com/u/1/?hl=uk&pli=1>

Education *

2003–2007 – Sumy National Agrarian University,
Bachelor's degree in Agronomy.

2009–2011 – Sumy National Agrarian University,
Specialist degree in Agronomy.

Academic degree *

Candidate of Agricultural Sciences (Doctor of Philosophy, PhD)
since 1 February 2018,





	specialty 06.01.05 – Plant Breeding and Seed Production (Sumy National Agrarian University).
Academic title *	Associate Professor of the Department of Biotechnology (since 30 November 2021).
Professional work experience *	<p>Since September 2023, Head of the Department of Biotechnology and Chemistry, Sumy National Agrarian University.</p> <p>Since 2014, has been working as a Senior Lecturer and Associate Professor at the Department of Biotechnology and Chemistry, Sumy National Agrarian University.</p> <p>In 2014, defended a PhD (Candidate of Agricultural Sciences) dissertation in specialty 06.01.05 – Plant Breeding and Seed Production.</p> <p>Scientific supervisor: Anatolii Adamovych Podhaietskyi, Doctor of Agricultural Sciences, Professor, Head of the Department of Biotechnology and Phytopharmacology.</p> <p>From 2009 to 2013, worked as an Assistant Lecturer at the Department of Biotechnology and Phytopharmacology.</p> <p>From 2008 to 2010, pursued postgraduate (PhD) studies at Sumy National Agrarian University.</p> <p>From 2007 to 2008, worked as Deputy Head of the Sumy Plant Variety Examination Center.</p>
Main research activities	
Management of collective research projects (which received funding on a competitive basis outside the main place of work) <i>(no more than 5 positions in the last 10 years)</i>	Responsible Executor of a Scientific and Technical (Experimental) Project funded from the general fund of the state budget. Project title: “Screening of Potato Varieties and Hybrids for <i>Adaptive Capacity and Restoration of Their Genetic Potential</i> ” (State Registration No. 0120U102033), 2020–2021.
Participation in collective research projects <i>(no more than 5 positions in the last 10 years)</i>	1) Participation in an international scientific project: “ <i>Improving Skills in Laboratory Practice for Agri-Food Specialists in Eastern Europe</i> ” (AG-Lab), Erasmus+ Programme, Project KA2, No. 586383-EPP-1-2017-1-SI-EPPKA2-CBHE-JP (2017-2978/001-001), 2017–2020.





Main scientific achievements

Published scientific papers*
(no more than 10 items for the last 10 years)

1. Datsko, O., Jelinek, M., Kovalenko, V., Butenko, Y., Kravchenko, N., Hnitetskyi, M., ... Badzym, R. (2025). Pesticide use and implications for food security. *Modern Phytomorphology*, 19, 112–116.
2. Karbivska, U., Butenko, Y., Hryhoriv, Y., Dolynko, N., Bielova, N., Kovalenko, V., Danylchenko, O., Tymchuk, N., Stavytskyi, A., Bordun, R. (2025). Pro-ecological and energy-saving technologies for the use of meadow grasslands. *Ecological Engineering and Environmental Technology*, 26(4), 121–129.
3. Zakharchenko, E., Adamchyk, Y., Yakovets, L., Kovalenko, N., Bahorka, M., Yurchenko, N., Kovalenko, V., et al. (2025). Agrotechnological and marketing evaluation of urea-ammonia nitrate application in growing crops in Ukraine. *Modern Phytomorphology*, 19, 194–199.
4. Zakharchenko, E., Ponomarenko, M., Kolosok, A., Litvinov, D., Kovalenko, V., et al. (2024). Regulation of mineral nutrition of agricultural crops in precision farming. *Modern Phytomorphology*, 18, 151–157. DOI: 10.5281/zenodo.200121
5. Kovalenko, V., Kovalenko, N., Gamayunova, V., Butenko, A., et al. (2024). Ecological and technological evaluation of the nutrition of perennial legumes. *Journal of Ecological Engineering*, 25(4), 294–304.
6. Hryhoriv, Y., Butenko, Y., Filon, V., et al., Kovalenko, V. (2024). Prospectives of growing energy crops for biofuel production. *Ecological Engineering & Environmental Technology*.
7. Kovalenko, V., Butenko, Y., Serdiuk, P., et al. (2024). Implementation of the potential of dietary potato varieties. *Modern Phytomorphology*, 18, 52–55. DOI: 10.5281/zenodo.11212840
8. Kovalenko, V. (2024). Reaction of potato varieties to treatment with nitrogen-fixing bacteria and mycorrhizal biopreparations. DOI: 10.48077/scihor11.2024.32
9. Lys, N., Tkachuk, N., Butenko, A., Kovalenko, V., et al. (2023). Evaluation of the efficiency of energy poplar growing technology. *Journal of Ecological Engineering*, 24(12), 152–157.
10. Guo, M., Han, J., Mishchenko, Y., Kovalenko, V., et al. (2023). Electrochemical detection of methyl parathion. *International Journal of Electrochemical Science*, 18(11), 100340.





Other significant scientific achievements

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

1. Research Project Contributor: "Theoretical and Practical Foundations for Intensifying the Development and Use of Initial Potato Breeding Material on an Interspecific Basis" (2018–2020, State Registration No. 0108U4001511). Research Project Contributor: "Potato Degeneration: Factors Determining the Process and Methods for Its Prevention" (2016–2021, State Registration No. 0116U007234).
2. Kovalenko I.M., Kandyba N.M., Rozhkova T.O., Kriuchko L.V., Bakumenko O.M., Kovalenko V.M., Vereshchahin I.V., Danylchenko O.M. *Laboratory Practice in Agronomy: Study Guide*. Sumy: FOP Tsioma S.P., 2020. 236 p. ISBN 978-617-7487-67

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. Zakorko V.S., Kovalenko V.M., Halushko Ye.V. Optimization of in vitro-ex vitro stages and adaptive properties of potato varieties in primary seed production // International Scientific and Practical Conference "Honcharivski Chytannya", Sumy, 23–24 May 2025. – P. 26–32.
2. Shevych A.S., Kovalenko V.M., Prytyka A.S. Study of dietary potato varieties under the conditions of the North-Eastern Forest-Steppe of Ukraine // International Scientific and Practical Conference "Honcharivski Chytannya", Sumy, 23–24 May 2025. – P. 47–52.
3. Kovalenko V.M., Berdin S.I. Genomic prediction in higher plants // International Scientific and Practical Conference "Honcharivski Chytannya", Sumy, 23–24 May 2025. – P. 53–58.
4. Horpynchenko O.M., Kovalenko V.M., Polyvanyi A.D. Drip irrigation of potatoes using modern soil moisture control // International Scientific and Practical Conference "Honcharivski Chytannya", Sumy, 23–24 May 2025. – P. 65–71.
5. Serdiuk P.V., Kovalenko V.M., Kushtymenko V.M. Indicators of the average number of tubers in potato varieties depending on treatment with biological preparations // International Scientific and Practical Conference "Honcharivski Chytannya", Sumy, 23–24 May 2025. – P. 94–100.

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

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

1. Bashlai, S. V., Kovalenko, V. M. Design of biotechnological processes in the agricultural sector of Ukraine. International Scientific Conference "World Scientific and Technical Trends 2024", Karlsruhe, Germany, 2024





Teaching activity

Major author's methodological developments (textbooks, manuals, teaching materials, curricula for higher education)

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

1. Kovalenko I.M., Kandyba N.M., Rozhkova T.O., Kriuchko L.V., Bakumenko O.M., Kovalenko V.M., Vereshchahin I.V., Danylchenko O.M. *Laboratory Practice in Agronomy: Study Guide*. Sumy: FOP Tsioma S.P., 2020. 236 p. ISBN 978-617-7487-67-7.

Honours and awards

Awards or distinctions for scientific achievements (from institutions, departments, authorities and local governments, etc.)

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

1. Recipient of the Cabinet of Ministers of Ukraine Scholarship for Young Scientists

Knowledge of foreign languages

Certificate of attainment in modern languages, English, level B2, Candidate №000109173, Date: 27.11.2018 y.

