



## CURRICULUM VITAE

### Andrii Butenko

date of birth\* 02.02.1977

citizenship\* Ukrainian

#### Contact information\*

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#### Personal profiles in scientometric databases\*

ORCID ID 0000-0001-5431-3481  
**Scopus:**  
<https://www.scopus.com/authid/detail.uri?authorId=57219298105>  
**Web of science:**  
<https://www.webofscience.com/wos/author/record/AAI-9257-2020>  
**Google Scholar:**  
[https://scholar.google.com.ua/citations?hl=ru&user=WuDU-IIAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com.ua/citations?hl=ru&user=WuDU-IIAAAAJ&view_op=list_works&sortby=pubdate)

#### Education\*

Sumy State Agrarian University  
01.09.1994-15.03.1999  
Specialist in "Agronomy",  
qualification of agronomist scientist  
CM diploma No. 10688821

#### Degree\*

Candidate of Agricultural Sciences by specialty 06.01.09.  
growing". 15.12.2005 Institute of plant breeding named after  
Yuryeva, Ukrainian Academy of Sciences.  
DK diploma No. 031676

#### Academic status\*

Associate Professor of the Department of Crop Production of  
SNAU, 21.06. 2007, 12ДЦ №017704

#### Professional work experience\* (for the last 10 years)

Associate Professor of the Department of Agricultural  
Technologies and Soil Science of SNAU, from September 1,  
2021 to the present, Faculty of Agricultural Technologies and  
Nature Management, Sumy National Agrarian University.  
Associate Professor of the Department of Crop Production of

	<i>SNAU, from September 1, 2005 to August 31, 2021, Sumy National Agrarian University.</i>
<b>Main research activity</b>	
Management of collective research projects (which received funding on a competitive basis from outside the main place of work) (no more than 5 positions in the last 10 years)	<i>Scientific substantiation of agrotechnological and economic parameters of cultivation and storage of plant products in organic production (0121U109561). Project implementation dates: 01.01.2021-31.12.2022. Amount of project financing: UAH 1,600,000.</i>
Participation in collective research projects (more than 5 positions in the last 10 years)	<i>Development of organic agriculture: preservation of biodiversity and overcoming the consequences of ecocide. Priority area: Ecology and rational nature management. 2024</i>
Individual research projects (which received funding on a competitive basis from a third party) (no more than 5 positions in the last 10 years)	<ol style="list-style-type: none"> <li><i>1. Project executor: "Optimization of science-based rotation of crops in crop rotation and study of conformity of plant varieties and their parameters declared by the manufacturer to the farm conditions of Vpered LLC, Sumy District, Sumy Region." Implementation period: 01.11.2022 - 31.12.2023. Grant number: GDT No. 3-10.</i></li> <li><i>2. Project executor: "Influence of monoculture on the characteristics of short-field crop rotation." Grant number: No. 20-5 dated May 20, 2022.</i></li> <li><i>3. Project manager: "Improving the elements of sunflower cultivation technology." Grant number: No. 27-11-1 dated November 27, 2023.</i></li> <li><i>4. Project manager: "Influence of sowing dates in the system of winter wheat cultivation technology". Grant number: No. 19-10-3 dated October 19, 2023.</i></li> <li><i>5. Project manager: "Optimization of the technology of growing soybean varieties in the conditions of Nizhyn Agro LLC of the Chernihiv region." Grant number: No. 11-4-3 dated April 11, 2023.</i></li> </ol>
<b>Main scientific achievements</b>	
Published scientific works* (no more than 10 positions in the last 10 years)	<ol style="list-style-type: none"> <li><i>1. Kovalenko, M. Dolia, O. Tonkha, <b>A. Butenko</b> (2023). Adaptation potential of alfalfa among other crops with resource-saving technologies while preserving ecological biodiversity. Modern Phytomorphology, 17, pp. 57-56. DOI: 10.5281/zenodo.7966080. Web of Science, Q4</i></li> <li><i>2. Radchenko, M., Trotsenko, V., <b>Butenko, A.</b>, Masyk, I., Bakumenko, O. (2023). Peculiarities of forming productivity and quality of soft spring wheat varieties. Agriculture and Forestry, 69 (4): 19-30. doi:10.17707/AgricultForest.69.4.02.</i></li> </ol>

*Scopus, Q3 / Web of Science, Q3*

3. Voitovyk, M., **Butenko, A.**, Prymak, I., Mishchenko, Y., 2023. Influence of fertilizing and tillage systems on humus content of typical chernozem. *Agraarteadus*, 34(1):44–50. DOI: 10.15159/jas.23.03. *Scopus, Q3*

4. Meimei Guo, Jiale Han, Yurii Mishchenko, **Andrii Butenko**. (2023). Fabrication of methyl parathion electrochemical sensor based on  $\beta$ -cyclodextrin decorated single-wall carbon nanotubes, *Materials Research Innovations*. DOI: 10.1080/14328917.2023.2244742. *Scopus, Q3*

5. Yunhang Liu, Jiale Han, Yurii Mishchenko, **Andrii Butenko**. (2023). Facile synthesis of  $\beta$ -cyclodextrin decorated Super P Li carbon black for the electrochemical determination of methyl parathion, *Materials Research Innovations*. DOI:10.1080/14328917.2023. 2243069. *Scopus, Q3*

6. Hryhoriv, Y., Lyshenko, M., **Butenko, A.** (2023). Competitiveness and Advantages of Camelina sativa on the Market of Oil Crops. *Ecological Engineering & Environmental Technology*, 24(4), pp.97-103. <https://doi.org/10.12912/27197050/161956>. *Scopus, Q3*

7. Karbivska U, **Butenko A.** et al. Dynamics of Productivity of Leguminous Plant Groups during Long-Term Use on Different Nutritional Backgrounds. *Journal of Ecological Engineering*. 2023; 24(6): 190-196. doi.org/10.12911/22998993/162778. *Scopus, Q3 / Web of Science, Q3*

8. Lys, N., Tkachuk, N., **Butenko, A.**, Kozak, M. (2023). Evaluation of the Efficiency of Energy Populus (Poplar) Growing Technology as an Alternative Source of Energy. *Journal of Ecological Engineering*, 24(12), pp.152-157. doi.org/10.12911/22998993/173006. *Scopus, Q3 / Web of Science, Q3*

9. Tanchyk S., Litvinov D., **Butenko A.**, Litvinova O. Fixed nitrogen in agriculture and its role in agrocenoses. *Agronomy Research*. 2021. 19(2), pp.601–611. <https://doi.org/10.15159/AR.21.086>. *Scopus*

10. Sobko M.G., Butenko A.O., Kryuchko L.V., Sobran I.V. The influence of the sowing dates of winter wheat and barley on the processes of formation of yield indicators. *Agrarian innovations, Kherson*, 2023. №19. c. 106-115. DOI <https://doi.org/10.32848/agrar.innov.2023.19.17>. category B.

Other significant scientific achievements (no more than 5 positions in the last 10 years)

Patent on registration of copyright for the work № 114958 [https://agro.snau.edu.ua/wp-content/uploads/2023/10/%D0%BF%D0%B0%D1%82%D0%B5%D0%BD%D1%82\\_114928.pdf](https://agro.snau.edu.ua/wp-content/uploads/2023/10/%D0%BF%D0%B0%D1%82%D0%B5%D0%BD%D1%82_114928.pdf)

Patent on registration of copyright for the work № 115988 [https://agro.snau.edu.ua/wp-content/uploads/2023/10/%D0%BF%D0%B0%D1%82%D0%B5%D0%BD%D1%82\\_115988.pdf](https://agro.snau.edu.ua/wp-content/uploads/2023/10/%D0%BF%D0%B0%D1%82%D0%B5%D0%BD%D1%82_115988.pdf)

Presentation of scientific results

<p>Key (plenary) reports at nationwide or international conferences (except for conferences that were always held by correspondence)</p>	<ol style="list-style-type: none"> <li>1. <i>The influence of the composition of mixtures of annual fodder crops on the productivity and quality of fodder / International scientific and practical conference dedicated to the 93rd birthday of Doctor of Agricultural Sciences, Professor Mykola Demyanovich Goncharov, May 25, 2022. Sumy, 2022.</i></li> <li>2. <i>Soybean grain quality indicators obtained under the influence of elements of cultivation technology / International scientific and practical conference dedicated to the 93rd birthday of Doctor of Agricultural Sciences, Professor Mykola Demyanovich Goncharov, May 25, 2022, Sumy, 2022</i></li> <li>3. <i>Activity of the microbial community of the root zone of corn during crop rotations / International scientific and practical conference dedicated to the 92nd birthday of Doctor of Agricultural Sciences, Professor Mykola Demyanovich Goncharov, May 25, 2021, Sumy, 2021</i></li> </ol>
<p>Personal speeches outside of Ukraine on the invitation of higher education institutions, research institutions or professional associations (except CIS countries) (<i>no more than 10 positions in the last 10 years</i>)</p>	<ol style="list-style-type: none"> <li>1. <i>Rooting and adaptation of solanum tuberosum l. Under ex vitro conditions after exposure to different sucrose concentrations in the in vitro nutrient medium. May 01, 2021 by MDPI in 1st International Electronic Conference on Agronomy session Application of New Breeding Technologies to Crop Improvement. <a href="https://doi.org/10.3390/IECAG2021-09712">https://doi.org/10.3390/IECAG2021-09712</a></i></li> </ol>
<p>Reports at scientific conferences* (seminars, symposia, etc.) (<i>no more than 10 positions in the last 10 years</i>)</p>	<ol style="list-style-type: none"> <li>1. <i>Evaluation of soybean varieties suitable for cultivation in the conditions of the northeastern forest-steppe of Ukraine / International scientific and practical conference dedicated to the 94th anniversary of the birthday of Doctor of Agricultural Sciences, Professor Mykola Demyanovich Goncharov, May 25, 2023. Sumy, 2023.</i></li> <li>2. <i>The influence of the seed category and sowing rates on the productivity of winter rye / International scientific and practical conference dedicated to the 94th anniversary of the birthday of Doctor of Agricultural Sciences, Professor Mykola Demyanovich Goncharov, May 25, 2023. Sumy, 2023.</i></li> <li>3. <i>Use of alfalfa for fodder and sideral purposes / 3rd international scientific and practical conference "Climate changes and agriculture. Challenges for agricultural science and education", June 2020. Scientific and Methodological Center of VFPO. Kyiv, 2020.</i></li> <li>4. <i>Soybean yield depending on the elements of cultivation technology / All-Ukrainian scientific conference of students and graduate students dedicated to the International Student Day (November 13-17, 2023). Sumy, 2023.</i></li> <li>5. <i>Productivity of soybean varieties of different maturity groups in the conditions of the northeastern forest-steppe of Ukraine / All-Ukrainian scientific conference of students and graduate students dedicated to the International Student Day (November 13-17, 2023). Sumy, 2023.</i></li> <li>6. <i>The influence of sowing dates on the yield and quality of winter wheat grain in the conditions of the northeastern</i></li> </ol>

	<i>forest-steppe of Ukraine / All-Ukrainian scientific conference of students and graduate students dedicated to the International Student Day (November 13-17, 2023). Sumy, 2023.</i>
Promotion of scientific research (no more than 10 positions in the last 10 years)	<i>Preparation of the winner of the All-Ukrainian competition of student scientific works in "Agronomy". Diploma of the III degree of studies. Kirpal T.M., Vinnytsia, 2018. Diploma of the first degree of studies. Tsigelnyk K.V., Vinnytsia, 2020. Diploma of the III degree of studies. Yu. Yu. Melnyk, Vinnytsia, 2021.</i>
Scientific and organizational activity	
Participation in the organizing committees of scientific events (conferences, seminars, symposia, round tables, panel discussions, etc.) (no more than 5 positions in the last 10 years)	
Participation in editorial boards of periodical scientific publications (in which mandatory anonymous peer review is carried out) (no more than 5 positions in the last 10 years)	
Scientific editing (arrangement) of scientific publications (no more than 5 positions in the last 10 years)	
Teaching activity	
The main author's educational courses at Higher Education Institutions (developed on the basis of own research) (no more than 5 positions in the last 10 years)	<ol style="list-style-type: none"> <li><i>1. Agricultural technologies of creation and use of fodder lands, second level of higher education (master's), 1 semester, 18 weeks, Sumy National Agrarian University, 150 hours.</i></li> <li><i>2. Fodder production and onion growing, first level of higher education (undergraduate), 7th semester, 18 weeks, Sumy National Agrarian University, 150 hours.</i></li> <li><i>3. Plant breeding with the basics of fodder production, first level of higher education (undergraduate), 5th semester, 18 weeks, Sumy National Agrarian University, 150 hours.</i></li> </ol>

<p>The main author's methodical developments (textbooks, manuals, methodical materials, educational programs for higher education) (no more than 5 positions in the last 10 years)</p>	<ol style="list-style-type: none"> <li>1. <i>Technical cultures: study guide / O.G. Zhatov, S.M. Kalenska, A.V. Melnyk, V.I. Trotsenko, Zhatova G.O., Nagornyi V.I., A.O. Butenko, T.I. Melnyk - Sumy: University book, 2013. - 359 p.</i></li> <li>2. <i>Crop production with the basics of fodder production. Methodological instructions for performing laboratory classes for students of specialty 202 "Protection and quarantine of plants" of the educational degree "Bachelor" of full-time and part-time forms of education, protocol No. 11 dated 22.05. 2023.</i></li> <li>3. <i>"Forage production and onion cultivation". Methodical instructions for independent work for students of the specialty 201 "Agronomy" of full-time and part-time study, protocol No. 11 dated 05/23/2022.</i></li> <li>4. <i>"Agrotechnologies of creation and use of fodder lands." Methodical instructions for performing laboratory and practical classes for students of specialty 201 "Agronomy", full-time and part-time study, protocol No. 10 dated 05/12/2021.</i></li> <li>5. <i>"Forage production and onion cultivation". Methodical instructions for performing laboratory-practical classes for students of the 201 "Agronomy" full-time and part-time study program, protocol No. 10 dated May 12, 2021.</i></li> </ol>
<p>Supervision of scientific works (scientific supervision or consulting of dissertation studies that have been successfully defended) (no more than 5 positions in the last 10 years)</p>	
<p>Expert activity</p>	
<p>Membership in specialized academic councils for dissertation defense (no more than 5 positions in the last 10 years)</p>	<ol style="list-style-type: none"> <li>1. <i>Official opponent. Specialized scientific council D 64.366.01 at the Institute of plant breeding named after V.Ya. Yuryev of the National Academy of Sciences for obtaining the scientific degree of candidate of agricultural sciences, specializing in 01.06.09 - crop production, Kharkiv, December 12, 2017.</i></li> <li>2. <i>Reviewer. Order No. 495-k dated November 18, 2022 "On the formation of a one-time specialized academic council for awarding the degree of Doctor of Philosophy." Specialty 201 Agronomy, Sumy National Agrarian University, Sumy, February 10, 2023.</i></li> <li>3. <i>Reviewer. Order No. 1-k dated January 4, 2023 "On the formation of a one-time specialized academic council for awarding the degree of Doctor of Philosophy". Specialty 201 Agronomy. Sumy National Agrarian University, Sumy, March 21, 2023.</i></li> <li>4. <i>Reviewer. Order No. 72 dated 20.01.21 "On the formation of a one-time specialized academic council for awarding the degree of Doctor of Philosophy." Specialty: 201 Agronomy. Sumy National Agrarian University, Sumy, May 19, 2021.</i></li> </ol>

	<p><i>5. Reviewer. Order No. 512-k dated September 27, 2023 "On the formation of a one-time specialized academic council for awarding the degree of Doctor of Philosophy." Specialty 201 Agronomy. Sumy National Agrarian University, Sumy, November 29, 2023.</i></p>
<p>Participation in expert councils (supervisory, advisory, expert or other councils of scientific, educational or research institutions, enterprises, cultural institutions, scientific publishing houses outside the main place of work) <i>(no more than 5 positions in the last 10 years)</i></p>	
<p>Participation in calls commissions (jury) (all Ukrainian or international calls, Olympiads, tournaments of research projects, scientific papers, etc.) <i>(no more than 5 positions in the last 10 years)</i></p>	
<p>Scientific and expert activities for authorities (scientific and expert conclusions, comments, conclusions, etc. made at the request or order of authorities and selfgovernment bodies, state structures, institutions, etc.) <i>(no more than 5 positions in the last 10 years)</i></p>	<p><i>1. Crop insurance expert at the National Joint Stock Insurance Company "Oranta" (Sumy Regional Directorate).</i></p> <p><i>2. Agricultural expert-advisor for providing socially oriented advisory services on issues of agronomy and agribusiness (certificate No. 36 dated June 19, 2008).</i></p>
<p>Scientific review of publications and projects* (number of anonymous reviews of manuscripts of scientific works submitted for publication in international scientific</p>	

journals over the past 5 years; author reviews of scientific publications published in specialized periodicals) <i>(no more than 5 positions in the last 5 years)</i>	
Honors and awards	
Honorary titles and statuses (honored worker of science and technology, academician, doctor honoris causa, etc.)	
Laureate of a prize (awards, honors) of the international or national level, awarded on a competitive basis <i>(no more than 5 positions in the last 10 years)</i>	<i>Thanks of the Minister of Education and Science of Ukraine: "For many years of conscientious work, significant personal contribution to the training of highly qualified specialists and fruitful scientific and pedagogical activity", Kyiv, 2023.</i>
Awards or honors for scientific achievements (from institutions, departments, authorities and local self-government bodies, etc.) <i>(no more than 5 positions in the last 10 years)</i>	<i>Rector's award. "The best scientific and pedagogical worker of the Sumy National Agrarian University" for significant achievements in scientific activity during the 2020-2021 academic year, Sumy, 2021.</i> <i>Rector's award. "For special achievements during the period of martial law in 2023: For high publication activity", Sumy, 2023.</i>
Improvement of scientific qualification	
Additional professional schools (trainings, summer schools, educational seminars, master classes, courses, etc., to acquire relevant scientific knowledge, skills and abilities) <i>(no more than 5 positions in the last 10 years)</i>	<ol style="list-style-type: none"> <li><i>1. Advanced laboratory practice for agro-food specialists in Eastern Europe (Ag-Lab) within the framework of the Erasmus + Capacity Building project KA2 No. 586383-EPP-1-2017-1-SI-EPPKA2-CBHE-JP (2017- 2978 / 001-001). Tbilisi, Georgia, October 23-26, 2019. Caucasus International University (CIU), Laboratory of the Ministry of Agriculture of Georgia (LMA) and Tbilisi State University (TSU).</i></li> <li><i>2. The 10th international program of advanced training of heads of educational and scientific institutions, as well as pedagogical and scientific-pedagogical workers "Together with Nobel Laureates: Values, Experience, Knowledge, Competences and Technologies for the Formation of a Successful Personality and Transformation of the World". The developer is the International Historical Biographical Institute (Dubai - New York - Rome - Burgas - Jerusalem - Beijing). (International certificate No. 10,841 / March 11,</i></li> </ol>

	2023).
Scientific internships abroad (lasting more than 2 months, in higher education institutions or research institutions, except correspondence and with the exception of CIS countries) (no more than 5 positions in the last 10 years)	<p>1. National University of Bioresources and Nature Management of Ukraine NNI postgraduate education. Certificate of professional development 12SPV 178524. Topic: "Implementation of the latest modern learning technologies in teaching the discipline." 12.06.2015</p> <p>2. National University of Bioresources and Nature Management of Ukraine. NNI of continuing education and tourism. SS certificate 00493706/010227-19 (October 2, 2019). Advanced training in innovative orientation of pedagogical activity. Graduation work on the topic "Relationships between teachers and students as a factor in the formation of the personality of a future specialist."</p>
Membership in independent scientific organizations (noninstitutional professional academic associations, societies, unions, unions of researchers, except trade unions) (no more than 5 positions in the last 10 years)	
Additional information on other important scientific achievements, qualifications, competences, or types of scientific activity that are significant for the implementation of the submitted research/development project (no more than 5 positions in the last 10 years)	<p>Head of research subject:</p> <p>1. "Improvement of the elements of varietal technology of growing grain crops in the conditions of the North-Eastern Forest-Steppe of Ukraine" (0121U108973).</p> <p>2. Agrobiological methods of optimizing the technology of growing annual forage crops in the conditions of the North-Eastern Forest Steppe of Ukraine (0121U108974).</p>
Foreign languages skills	English: level B 2 (certificate No. 000994502, 07.09.2019, Kyiv).