

## CURRICULUM VITAE

**MAZURCHUK Hanna Oleksiivna**

**31.05.1990**

**Ukrainian**

### Contact Information \*

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<https://nubip.edu.ua/node/1550>

### Personal profiles in scientometric databases\*

<https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=58293721000&zone>.  
<https://orcid.org/my-orcid?orcid=0000-0001-7472-7972>  
[https://scholar.google.com.ua/citations?view\\_op=list\\_works&hl=ru&user=TxRz2fMAAAAJ](https://scholar.google.com.ua/citations?view_op=list_works&hl=ru&user=TxRz2fMAAAAJ)  
**WoS: ResearcherID: KXS-0358-2024**

### Education \*

National University of Life and Environmental Sciences of Ukraine, 2007-2012, specialty "Forestry", diploma bachelor's degree KV 40921088M, diploma master's degree KV 43911057.  
<https://drive.google.com/drive/folders/1Nc3TPVQeTtPTj4UjR6CnuM7lVuG-JexL?usp=sharing>

### Degree\*

PhD in Agricultural Sciences, specialty "Forest cultures and phytomelioration", 05.06. 2018 at the National University of Life and Environmental Sciences of Ukraine (Kyiv), diploma DK №048970.

<https://drive.google.com/drive/folders/1Nc3TPVQeTtPTj4UjR6CnuM7lVuG-JexL?usp=sharing>

### Academic status\*

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<b>Professional work experience*</b> <b>(for the last 10 years)</b>	<p>From June 1, 2022 to the present, associate professor of the Department of Forestry.  <a href="https://drive.google.com/drive/folders/1v9PvuzTn-3V4Yqe7ur-OIJ6Afk4CcSBo?usp=sharing">https://drive.google.com/drive/folders/1v9PvuzTn-3V4Yqe7ur-OIJ6Afk4CcSBo?usp=sharing</a></p> <p>From September 1, 2020 to June 1, 2022, senior lecturer at the Department of Forestry.</p> <p>From September 27, 2018 to September 1, 2020, an assistant at the Department of Forestry of the NULES.</p> <p>From September 1, 2016 to September 28, 2018, a senior laboratory assistant at the Department of Forest Biology and Hunting of the NULES.</p> <p>From October 22, 2013 to October 22, 2016, full-time postgraduate studies at the Department of Forest Biology and Hunting Science of the of the NULES.</p> <p>From December 22, 2013 to September 1, 2013 - a forestry engineer at the State Enterprise "Gorodnytske forestry".</p>
<b>Main research activity</b>	
<b>Management of collective research projects (which received funding on a competitive basis from outside the main place of work)</b>	
<b>Participation in collective research projects</b>	<ol style="list-style-type: none"> <li>1. Phytopathological monitoring and mycological principles of optimizing the genetic potential of Scots pine seeds" 130/1 (O.V. Bashta, G.O. Boyko, D.T. Gentosh, N.V. Puzrina, NULES of Ukraine), 2020) (performer).</li> <li>2 Scientific research project BF/37, Sovakov O.V., Malyuga V.M., Ivanyuk I.V., Boyko G.O. (NULES of Ukraine, 2021) (performer)</li> </ol>
<b>Individual research projects (which received funding on a competitive basis from a third party)</b>	
<b>Main scientific achievements</b>	
<b>Published scientific works*</b>	<ol style="list-style-type: none"> <li>1. <b>Boyko G.O.</b>, Puzrina N.V. Species composition of pathogenic mycoflora of planting material of forest nurseries. Scientific bulletin of the National Forestry University of Ukraine. 2014. Issue 24.10. P. 34–40. <a href="https://nv.nltu.edu.ua/Archive/2014/24_10/8.pdf">https://nv.nltu.edu.ua/Archive/2014/24_10/8.pdf</a></li> <li>2. <b>Boyko G.O.</b>, Puzrina N.V. Modern methods of intensification of planting material of Scots pine (<i>Pinus sylvestris</i> L.). Scientific</li> </ol>

- Bulletin of the NULES of Ukraine. Series: Forestry and decorative horticulture. 2014. Issue 198. Part 2. P. 209–214. [http://www.irbis-nbuv.gov.ua/cgi-bin/irbis\\_nbuv/cgiirbis\\_64.exe?I21DBN=LINK&P21DBN=UJRN&Z21ID=&S21REF=10&S21CNR=20&S21STN=1&S21FMT=ASP\\_meta&C21COM=S&2\\_S21P03=FILA=&2\\_S21STR=2\\_vnau\\_98\(14\\_98\\_14\)\\_36](http://www.irbis-nbuv.gov.ua/cgi-bin/irbis_nbuv/cgiirbis_64.exe?I21DBN=LINK&P21DBN=UJRN&Z21ID=&S21REF=10&S21CNR=20&S21STN=1&S21FMT=ASP_meta&C21COM=S&2_S21P03=FILA=&2_S21STR=2_vnau_98(14_98_14)_36)
3. **Boyko G.O.**, Puzrina N.V. Species diversity of mycobiota of Scots pine (*Pinus sylvestris* L.) seeds. Scientific bulletin of the National Forestry University of Ukraine. 2015. Issue 25.5. P. 42–48. <https://nv.nltu.edu.ua/index.php/journal/article/view/985>
  4. **Boyko G.O.** The effect of leaf litter extracts of woody plants on the growth of Scots pine (*Pinus sylvestris* L.) seedlings. Forestry and horticulture. 2015. No. 8. 2015\_8\_2. <http://nbuv.gov.ua/UJRN/licgoc>
  5. **Boyko G.O.**, Bashta O.V. Mycobiota of Scots pine (*Pinus sylvestris* L.) seeds. Scientific bulletin of the National Forestry University of Ukraine. 2015. Issue 25.9. P. 28–34. <https://doi.org/10.15421/40250905>
  6. **Boyko G.O.**, Puzrina N.V., Bashta O.V. The influence of biological preparations on the growth of one-year seedlings of Scots pine (*Pinus sylvestris* L.). Scientific bulletin of the National Forestry University of Ukraine. 2015. Issue 26.8. P. 30–34. <https://doi.org/10.15421/40260804>
  7. **Boyko G.O.**, Puzrina N.V. Similarity and energy of germination of Scots pine (*Pinus sylvestris* L.) seeds of different colors. Scientific Bulletin of the NULES of Ukraine. 2015. Issue 219. P. 113–117. [https://scholar.google.com.ua/citations?view\\_op=list\\_works&hl=ru&user=TxRz2fMAAAAJ](https://scholar.google.com.ua/citations?view_op=list_works&hl=ru&user=TxRz2fMAAAAJ)
  8. **Boyko G.O.**, Puzrina N.V. The effect of various environmental conditions on the mycobiota of Scots pine seeds. Scientific journal "Forestry and horticulture" No. 16 2019. <http://journals.nubip.edu.ua/index.php/Lis/article/view/13315>
  9. **Boyko G.O.**, Puzrina N.V. The influence of growing conditions on changes in the species composition of Scots pine seed mycobiota. Scientific journal "Ukrainian Journal of Forestry and Wood Science" Volume 10 No. 5 (2021) <http://journals.nubip.edu.ua/index.php/Lisivnystvto/article/view/15125>
  10. **Boyko G.O.**, Puzrina N.V. The influence of forest vegetation conditions on the mycobiota composition of Scots pine seeds. Scientific journal "Forestry and horticulture" No. 16 2020. <http://journals.nubip.edu.ua/index.php/Lis/article/view/13315>
  11. **Boyko G.O.**, Puzrina N.V., Bondar A.O., Hryb V.M. The effect of microbial agents and biological preparations based on them on the biometric parameters of Scots pine seedlings. Scientific works of the Forestry Academy of Sciences of Ukraine. No. 23. 2021 <https://doi.org/10.15421/412128>
  12. N. Puzrina, A. Pereviznyk, O. Tokarieva, **G. Boyko** Population indicators of sawflies and concomitant needle-eating species of stands of Prytiasmyska ridge. Ukrainian Journal of Forest and Wood Science. Vol. 13, № 1 40–47
  13. **Boyko H.** (2019). Influence of automicbiota on qualitative and quantitative indicators of scots pine seeds under in vitro conditions.

- Ukrainian Journal of Forest and Wood Science*, 10(4), 34-42.  
<https://doi.org/10.31548/forest2019.04.034>;
14. **Boiko, H., Puzrina, N.** (2021). Influence of growing conditions on changes in the species composition of mycobiota of Scots pine seeds. *Ukrainian Journal of Forest and Wood Science*, 12(2), 50-57.  
<https://doi.org/10.31548/forest2021.02.005>;
15. Puzrina, N. Pereviznyk, A. Tokarieva, O. Boiko, H. (2023). Population Indicators of Sawflies and Concomitant Species of Needle-Eating Species in the Stands of the Prytiasmy Ridge. *Ukrainian Journal of Forest and Wood Science*, 13(1), 40–47. DOI 10.31548/forest.13(1).2022.40-47;
16. Kulbanska, I., **Boiko H.**, Shvets, M., Vyshnevskyi, A. Savchenko, The role of a phyllophoroid macromycetes as indicators of forest ecosystem disruption and reducers of biomass accumulation. *Scientific Horizons*, 2023, 26(3), 70–80. DOI 10.48077/scihor3.2023.70;
17. Yavorovskyi, P., Hurzhii, R., Kulbanska, I., **Boiko, H.**, & Andrusiak, Yu. (2023). Influence of winter storage methods of acorns on the development and growth processes of common oak. *Ukrainian Journal of Forest and Wood Science*, 14(2), 96-108.  
<https://doi.org/10.31548/forest/2.2023.96>.
18. Puzrina Natalia; Psenichna Nadya, **Boiko Hanna**, Sendonin Serhii. (2023). Dominant pests and pathogens of urban plantings in Kyiv: Species composition and prevalence. *Ukrainian Journal of Forest and Wood Science*, 14(3), 64-77. DOI 10.31548/FOREST/3.2023.64.

## Інші знакові наукові здобутки

1. A. F. Goychuk, **G. O. Boyko**, V. F. Drozda, N. V. Puzrina. A method of protecting Scots pine stands from pathogens of bacterial pathology. Utility model patent. Applicant and owner NULES of Ukraine; declared on November 1, 2017; published on April 10, 2018; Bul. No. 7. Patent 124450 Ukraine, IPC A01C 1/08. [https://drive.google.com/drive/folders/1DobAshsWcZN\\_BXDCPdeBfn9kuO5nVyg0?usp=sharing](https://drive.google.com/drive/folders/1DobAshsWcZN_BXDCPdeBfn9kuO5nVyg0?usp=sharing)
2. V.F. Drozda, A.F. Goychuk, **Boyko G.O.** The method of modulating the resistance of Scots pine seedlings to stress factors is a utility model patent. Applicant and owner NULES of Ukraine; declared on November 1, 2017; published on April 10, 2018; Bul. No. 7. Patent 124451 Ukraine, IPC A01C 1/08. [https://drive.google.com/drive/folders/1DobAshsWcZN\\_BXDCPdeBfn9kuO5nVyg0?usp=sharing](https://drive.google.com/drive/folders/1DobAshsWcZN_BXDCPdeBfn9kuO5nVyg0?usp=sharing)
3. A.F. Goychuk, V.F. Drozda, **G.O. Boyko**. The method of suppressing the activity of native populations of phytopathogens of Scots pine seeds. utility model patent. Applicant and owner NULES of Ukraine; declared on November 1, 2017; published on April 10, 2018; Bul. No. 7. Patent 124449 Ukraine, IPC A01C 1/08. [https://drive.google.com/drive/folders/1DobAshsWcZN\\_BXDCPdeBfn9kuO5nVyg0?usp=sharing](https://drive.google.com/drive/folders/1DobAshsWcZN_BXDCPdeBfn9kuO5nVyg0?usp=sharing)
4. Electronic training course "Diagnosis of forest diseases" <https://elearn.nubip.edu.ua/course/view.php?id=1791>
5. Electronic training course "Mycotrophy of woody plants" <https://elearn.nubip.edu.ua/course/view.php?id=2297>
6. Certificate of copyright registration for the work No. 95983 "Computer program "Forecasting the state of fire danger in the forests of Ukraine on the Digitals - platform". Yavorovskyi P.P., Guzhii R.V., Levchenko V.B., Ustymenko Ya.I., Sydorenko S.G., Puzrina N.V., **Boyko G.O.** [https://drive.google.com/drive/folders/1DobAshsWcZN\\_BXDCPdeBfn9kuO5nVyg0?usp=sharing](https://drive.google.com/drive/folders/1DobAshsWcZN_BXDCPdeBfn9kuO5nVyg0?usp=sharing)

## Presentation of scientific results

Key (plenary) reports at nationwide or international conferences (except for conferences that were always held by correspondence)	<b>Boyko G.O.</b> Species, ecosystems and areas of conservation concern under threat from the invasive alien species. Republic of North Macedonia. 03–06 September: abstracts report. Macedonia, 2019. P2.01 (report)
Personal speeches outside of Ukraine on the invitation of higher education institutions, research institutions or professional associations (except CIS countries)	-
Reports at scientific conferences* (seminars, symposia, etc.)	Stimulating effect of micromycetes on Scots pine seed germination. Scientific and practical conference " <i>Forests and urban ecosystems of Ukraine in conditions of war: condition, preservation and restoration</i> ", November 18, 2022 (Order No. 786 of October 31, 2022)
Promotion of scientific research	Channel 1+1 interview (story) <a href="https://youtu.be/opEDhyEffBs">https://youtu.be/opEDhyEffBs</a>

## Scientific and organizational activity

Participation in the organizing committees of scientific events (conferences, seminars, symposia, round tables, panel discussions, etc.)	1. Jury member of the International Scientific and Practical Conference "Forests and Urban Ecosystems of Ukraine in the Conditions of War: State, Preservation and Restoration", November 18, 2022 (Order No. 786 dated October 31, 2022) 2. Member of the jury of the 76th All-Ukrainian scientific and practical student conference "Scientific search of youth for the sustainable development of the forest complex and horticulture." (Order No. 787 dated 10/31/2022)
Participation in editorial boards of periodical scientific publications (in which mandatory anonymous peer review is carried out)	-

Scientific editing (arrangement) of scientific publications	-
Teaching activity	
The main author's educational courses at Higher Education Institutions (developed on the basis of own research)	<p>1. Diagnosis of forest diseases. Educational electronic course. <a href="https://elearn.nubip.edu.ua/course/view.php?id=1791">https://elearn.nubip.edu.ua/course/view.php?id=1791</a></p> <p>2. Mycotrophy of woody plants. Educational electronic course. <a href="https://elearn.nubip.edu.ua/course/view.php?id=2297">https://elearn.nubip.edu.ua/course/view.php?id=2297</a></p>
The main author's methodical developments (textbooks, manuals, methodical materials, educational programs for higher education)	<p>1. <b>Boyko G.O.</b>, Puzrina N.V. Mycobiota of common pine seeds of Zhytomyr Polyssia of different ecological groups. monograph. Kyiv: Editorial and Publishing Department NULES of Ukraine, 2019. <a href="https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing">https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing</a></p> <p>2. <b>Boyko G.O.</b> Puzrina N.V. Microbial agents for the activation of Scots pine growth processes. Kyiv. monograph: Editorial and Publishing Department NULES of Ukraine, 2020. <a href="https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing">https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing</a></p> <p>3. <b>Boyko G.O.</b> Puzrina N.V. Phytopathological monitoring of seeds and mycological principles of growing Scots pine planting material. monograph. Editorial publishing department NULES of Ukraine, 2021. <a href="https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing">https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing</a></p> <p>4. Tokareva O.V., Puzrina N.V., Soshenskyi O.M., Grushanskyi O.A., Bryko V.B., Vyhovskyi A.Yu., <b>Boyko G.O.</b> Recreational forestry: a study guide. Kyiv: Yamchinsky, 2021. 464 p. <a href="https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing">https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing</a></p> <p>5. Puzrina N.V., Meshkova V.L., Myronyuk V.V., Bondar A.O., Tokareva O.V., <b>Boyko G.O.</b> Monitoring of harmful organisms of forest ecosystems. Tutorial. Kyiv: editorial department of NULES, 2021. 274 p <a href="https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing">https://drive.google.com/drive/folders/1bXAczfSSMUuo6HR8EdXvtEvef_EZ_lC?usp=sharing</a></p>
Supervision of scientific works (scientific supervision or consulting of dissertation studies that have been successfully defended)	-
Expert activity	

<b>Membership in specialized academic councils for dissertation defense</b>	1. Member of the Academic Council of the Educational and Scientific Institute of Forestry and Horticulture of the NULES of Ukraine (Order No. 803 dated 10/26/2020) <a href="https://nubip.edu.ua/node/1067/2">https://nubip.edu.ua/node/1067/2</a> 2. Member of the Council of Young Scientists of the Educational and Scientific Institute of Forestry and Horticulture of NULES of Ukraine (Order No. 786 C of 21 October 222) <a href="https://nubip.edu.ua/node/1067/2">https://nubip.edu.ua/node/1067/2</a>
<b>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)</b>	-
<b>Participation in calls commissions (jury) (all-Ukrainian or international calls, Olympiads, tournaments of research projects, scientific papers, etc.)</b>	1. Jury member of the International Scientific and Practical Conference "Forests and Urban Ecosystems of Ukraine in the Conditions of War: State, Preservation and Restoration", November 18, 2022 (Order No. 786 dated October 31, 2022) 2. Member of the jury of the 76th All-Ukrainian scientific and practical student conference "Scientific search of youth for the sustainable development of the forest complex and horticulture." (Order No. 787 dated 10/31/2022)
<b>Scientific and expert activities for authorities (scientific and expert conclusions, comments, conclusions, etc. made at the request or order of authorities and self-government bodies, state structures, institutions, etc.)</b>	-
<b>Scientific review of publications and projects* (number of anonymous reviews of manuscripts of scientific</b>	-

**works submitted for publication in international scientific journals over the past 5 years; author reviews of scientific publications published in specialized periodicals)**

**Honors and awards**

**Honorary titles and statuses (honored worker of science and technology, academician, doctor honoris causa, etc.)**

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**Laureate of a prize (awards, honors) of the international or national level, awarded on a competitive basis**

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**Awards or honors for scientific achievements (from institutions, departments, authorities and local self-government bodies, etc.)**

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**Improvement of scientific qualification**

<p><b>Additional professional schools (trainings, summer schools, educational seminars, master classes, courses, etc., to acquire relevant scientific knowledge, skills and abilities)</b></p>	<p>1. Improving the qualifications of scientific-pedagogical and pedagogical workers of higher education institutions under the program "Information and communication technologies of distance education" in the amount of 30 hours/1 ECTS credit. Certificate number: SS 00493706/000947-20. Date: from October 19 to 30, 2020. National University of Bioresources and Nature Management of Ukraine (Educational and Scientific Institute of Continuing Education and Tourism)</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing</a></p> <p>2. Center for the development of personnel potential of the educational institution. Certificate of professional development of SP No. 05408289/0451-21. In the period from 22.02.2021 to 02.03.2021, she advanced her qualifications at Sumy State University "Methods for activating the educational process: modern trends"</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing</a></p> <p>3. "Innovative approaches in education and science: multidisciplinary", Latvian University of Life Sciences and Technologies, Order No. 84. In, from 05/17/21, 180 academic hours. (protocol No. 4 dated November 22, 2021).</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ</a></p> <p>4. Expert on accreditation of educational programs: National Agency for Quality Assurance of Higher Education through the platform of massive open online courses Prometheus. Issued on 09/08/2022</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing</a></p> <p>5. Google's digital tools for education. NULES of Ukraine. Certificate No. 123456. 2022</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing</a></p>
<p><b>Scientific internships abroad (lasting more than 2 months, in higher education institutions or research institutions, except correspondence and with the exception of CIS countries)</b></p>	<p>Multidisciplinary approaches in education and research» May 17 June 18, 202 Latvia, 2021 ;</p> <p><a href="https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing">https://drive.google.com/drive/folders/1X5CBwc8ECWZodfvoCRnbrVerbb3fVfhZ?usp=sharing</a></p>

<b>Membership in independent scientific organizations (non-institutional professional academic associations, societies, unions, unions of researchers, except trade unions)</b>	Society of Foresters of Ukraine, All-Ukrainian public organization, member, from 2021 to the present
<b>Additional information about other important scientific achievements, qualifications, competences, or existing types of scientific activity significant for the implementation of the submitted research/development project</b>	-
<b>Proficiency in foreign languages*</b>	<i>English, B2, Certificate 18L77U793DPo8</i> <a href="https://drive.google.com/drive/folders/1KfdjL32EwOOGfXGPFG7HZ7TGkU4O-9Co?usp=sharing">https://drive.google.com/drive/folders/1KfdjL32EwOOGfXGPFG7HZ7TGkU4O-9Co?usp=sharing</a>