



Curriculum Vitae

Brovko F.M.

PERSONAL INFORMATION



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Google Scholar:

<https://scholar.google.com.ua/citations?user=xADozmcAAAAJ&hl=uk&authuser=1>

Sex M | Date of birth 27/11/1948 | Citizenship Ukraine

Scientific degree (degree, specialty)	Doctor of Science in Agricultural (Specialty 06.03.01 «Forest Plantations and Phytomelioration»)
Academic rank	Full professor
Position	Professor
Department	Plant Biology
Faculty/Institute	ESC «Institute of Biology and Medicine»
Part-time position	-

EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

Current year	<ol style="list-style-type: none">1. "Landscape crops", EL "Bachelor"(EP "Landscape Design and Landscaping"), 3rd year.2. "Landscape Measurement", EL "Bachelor"(EP "Landscape Design and Landscaping"), 4th year.3. Specifics of the organization, planning and operation of HPO of various functional purpose, OL "Master"(EP "Landscape design of the urban environment").4. "Regulatory frame work in ornamental horticulture", EL "Master"(EP "Landscape design of the urban environment").5. "Urban monitoring and accounting of green stands", EL "Master"(EP "Landscape design of the urban environment").6. Educational practice in "Dendrology", EL "Bachelor"(EL "Landscape Design and Landscaping"), 2nd year
Previous year	<ol style="list-style-type: none">1. "Forest plantations", EL "Bachelor"(forestry), 4th year.2. "Forest Management", EL "Bachelor"(forestry), 4th year.3. "Forestry", EL "Bachelor"(forestry), 4th year.4. "Reforestation and afforestation", EL "Bachelor"(Park gardening), 3rd year.5. Training practice in "Forest Plantations", EL "Bachelor"(forestry), 4th year.

SCIENTIFIC AND PEDAGOGICAL EXPERIENCE

Period (starting from last)	Description
Since 1 September 2018 till now	<p>Position: Professor in Plant biology</p> <p>Taras Shevchenko National University of Kyiv; 64/13.Volodymyrska str. city of Kyiv.Ukraine.01601; http://www.knu.ua.</p> <p>Field of activity or sector: Education/Science</p>
2018-2007	<p>Position: Professor of the Department of Reforestation and Afforestation</p> <p>National University of the Life and Environmental Sciences of Ukraine; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; http://www.nubip.edu.ua/.</p> <p>Field of activity or sector: Education/Science</p>
2000-2003	<p>Position: Part-time-Deputy Dean of the Forestry Faculty</p> <p>National agricultural university; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; http://www.nubip.edu.ua/.</p> <p>Field of activity or sector: Education</p>

2006-1991	Position: Associate Professor of Forest Plantation sand Forest Phytopathology National agricultural university; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; http://www.nubip.edu.ua/ . Field of activity or sector: Education
1975-1990	Position: Assistant of the Department of Forest Plantations(1975), Forest Plantations and Forest Phytopathology(1984) Ukrainian agricultural academy Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; http://www.nubip.edu.ua/ . Field of activity or sector: Education
1973-1974	Position: Engineer Kyivbranch of the "Soyuzdiprolishosp" design and survey institute Street Krasnoarmeyskaya,33.Kyiv Field of activity or sector: Production
1972-1973	Position: Master of forest plantations, assistant forester SE "Semenivka forestry" Street Primakova, 46, Semenivka, Chernihiv region. Field of activity or sector: Production

EDUCATION AND TRAINING

Period(starting from last)	Description
26.07.2023 - 01.09.2023	SoftServe Academy Training course Tech Summer Boot camp for Teachers, certificate Series LE №14531/2023, 10 hours or 0,3 ECTS
16.01.2023-20.01.2023	Taras Shevchenko National University of Kyiv Advanced training and development of pedagogical competencies of lecturers «KNU Teach Week 4»
2021	The International Historical Biographical Institute (Dubai- New York - Rome- Jerusalem - Beijing) International certificate № 3008/October 12, 2021, International Scientific Internship Program certifies the receipt of the International Educational Grant № IEG/U/2021/08/12 from International Historical Biographical Institute (Dubai – New York- Rome - Jerusalem-Beijing) and active participation in the II International Scientific Internship Program "Outstanding Personalities: Studying Experience and Professional Achievements for Forming a Successful Personality and Transforming of the World", which took place in Dubai, New York, Rome, Jerusalem and Beijing, August 12 - October 12, 2021 in the amount of 180 hours or 6 ECTS credits
2006	National agricultural university Defended my doctoral dissertation on specialty 06.03.01 "Forest crops and phytomelioration" on "Phytocoenotic bases of afforestation on dump land scapes of the Dnieper Upland of Ukraine"(scientific consultant-Doctor of Biological Sciences, Professor, Corresponding Member of UAASA. Tsiliuryk).
1995-1998	National agricultural university Studied for a doctorate at the Department of Forest Crops and Forest Phytopathology
1983	Ukrainian agricultural academy Defended the candidate dissertation on specialty 06.03.01 «Forest plantations, selection, seeding and greening of rural places» on the topic «Ways of creation of forest plantations on iron careers in Kryvbas»(supervisor–Doctor of agricultural sciences, professor B. Logginov).
1976-1979	Ukrainian agricultural academy Correspondence postgraduate study, department to forest plantations
1974-1975	Ukrainian agricultural academy Trainee researcher, department of forest plantations
1966-1972	Ukrainian agricultural academy Student of the Forestry Faculty

PERSONAL SKILLS

Name	Level(description)
Native language	Ukrainian
Foreign language1	English
Organizational / management competence	Skills in finding professional information and generalizing it. Ability to manage teams and groups of educational and scientific direction. Possession of modern information media at the level of their application in order to know, predict the course of growth, development processes in cultural phytocenoses that are subject to anthropogenic impact.

Other computer skills	Use of application packages to ensure the creation of presentations, posters, statistical processing of research results, production and editing of drawings.
Fields of professional interests	Forest recultivation of man-caused disturbed lands, phytomelioration and monitoring of urban landscapes.

ADDITIONAL INFORMATION

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc.
Publications For the last 5 years	<p><u>Monographs:</u></p> <ol style="list-style-type: none"> 1. Brovko F., Brovko D., Shlapak V. Section 7. Forest reclamation of dump lands capes and its socio-ecological significance in the Anthropocene. Collective monograph (to the 100th anniversary of the Department of Forest Reproduction and Forest Reclamation). Forest reproduction and forest reclamation in Ukraine: origins, current state, current challenges and prospects in the Anthropocene: Monograph. For the general ed. prof. Nikolaenko SM Kyiv: Editorial and Publishing Department of NULES of Ukraine. 2019. P. 224-248. 2. Brovko F., Brovko O. Forest recultivation of dump landscapes of Kryvbas: Monograph. Kyiv: Condor Publishing House, 2019. 204 p. 3. Fuchilo Ya., Debryniuk Yu., Brovko F., Gaida Yu., Sbytna M., Fuchilo D. Plantation forestry for industrial and energy purposes: conceptual principles, technological features and prospects: Monograph. Kyiv: Condor Publishing House LLC, 2018. 321 p. 4. Brovko O., Brovko F. Cossack juniper in urban landscapes of Kiev: Monograph. Kyiv: Condor Publishing House LLC, 2018. 219 p. <p><u>Educational and methodical developments:</u></p> <ol style="list-style-type: none"> 1. Brovko F. M., Taran N. Yu., Brovko O. F., Voitsekhivska O. V. Dendrology. The working program and methodical recommendations for the performance of individual tasks from educational practice by students of EL "Bachelor" studying under the educational and professional program - "Landscape Design and Landscaping". Kyiv: LLC "CP COMPRINT", 2022. 40 p. 2. Brovko F. M., Taran N. Yu., Brovko O. F., Voitsekhivska O. V. Landscape taxation. Part 1. Determination of taxa indicators of a tree trunk: Methodological recommendations for the performance of laboratory work by students of EL "Bachelor", who are studying in specialty 206 "Landscape gardening". Kyiv: LLC "CP COMPRINT", 2022. 54 p. 3. Brovko F. M., Taran N. Yu., Brovko O. F., Voitsekhovskaya O. V. Reforestation and afforestation: a textbook for students of the Bachelor's School of Education studying in the specialty 206 "Landscape gardening". Kyiv: Publishing house "Condor", 2019. 96 p. <p><u>Articles:</u></p> <ol style="list-style-type: none"> 1. Brovko F., Yukhnovskyi V., Brovko O., Brovko D., Urliuk Y. and Khryk V. (2023) The influence of anthropogenic trampling of gray forest soils on their physical properties. Central European Forestry Journal, Vol.69 (Issue 4), pp. 224-232. https://doi.org/10.2478/forj-2023-0017 (Scopus) 2. Mezzalana, G., Yukhnovskyi, V., Urliuk, Yu., Brovko, F., & Rasenchuk, A. (2022). Peculiarities of formation of the forest litter of the water protection pine plantations in the Ukrainian interfluvium of the Dnipro and Desna rivers. <i>Ukrainian Journal of Forest and Wood Science</i>, 13(3), 50-60. https://doi.org/10.31548/forest.13(3).2022.50-60 (Scopus) 3. Brovko F., Yukhnovskyi V., Brovko D., Brovko O., Minder V. and Urliuk Y. (2022) Prospects of cultivation of Jack pine (<i>Pinus banksiana</i> Lamb.) on sandy soils of natural-technogenic origin in Kyiv Polissia. <i>Folia Forestalia Polonica</i>, Vol. 64 (Issue 2), pp. 90-99. https://doi.org/10.2478/ffp-2022-0009 (Scopus) 4. Minder, V., Maliuha, V., Yukhnovskyi, V., Brovko, F. and Khryk, V. 2022. The structure of root systems in young woody plants under the conditions of park areas with the composite topography. <i>Baltic Forestry</i>. 28, 1 (Jul. 2022). P. 69-77. DOI: https://doi.org/10.46490/BF610. (Scopus, WoS) 5. Maliuha V., Khryk V., Yukhnovskyi V., Minder V., Levandovska S., Kimeichuk I., Brovko F. and Urliuk Y. (2022) Erosion control properties of self-seeded forests that appeared in forestless areas of ravine-gully systems. <i>Forestry Studies</i>, Vol. 77 (Issue 1), pp. 56-66. https://doi.org/10.2478/fsmu-2022-0012 (Scopus)

	<p>6. F. M. Brovko, D. F. Brovko, O. F. Brovko, V. Yu. Yukhnovskiy. Productivity of seedlings of Scots pine on alluvial sands of natural and man-made origin. <i>Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu</i>, 2021, No 3, p. 88-94. https://doi.org/10.33271/nvngu/2021-3/088 (Scopus)</p> <p>7. Maliuha V., Khryk V., Minder V., Kimeichuk I., Raduchych M., Rasenchuk A., Brovko F., Yukhnovskiy V. (2021). Fractional composition and formation of forest litter in scots pine plantations on ravine-gully systems and the plain of the Central part of Ukraine. <i>Forestry ideas</i>, 27, 1 (61), 89-100. (Scopus)</p> <p>8. F. Brovko, O. Brovko, S. Tanchyk, V. Yukhnovskiy. Optimization of water-physical properties of sande soils of natural-technogenic origin. <i>Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu</i>, 2020. No 1, p. 111-117. https://doi.org/10.33271/nvngu/2020-1/111 (Scopus)</p> <p><u>Methodical recommendations for production:</u></p> <p>1. Maurer V., Brovko F., Kaidyk O., Odarchenko I. Scientific and methodological recommendations for improving methods of reproduction of forest resources of Ukraine from the stand point of sustainable forest management. Kyiv: NULES of Ukraine, 2016. P. 46-48 p.</p> <p>2. Brovko F., Sbytna M., Fuchilo Ya., Debrinyuk Yu., Gaida Yu., Chornobrov O. Regional features of creation, cultivation and operation of energy plantations of fast-growing tree species in conditions of Ukraine. Scientific and methodical recommendations. Kyiv: Comprint, 2017. 43 p.</p> <p><u>State standards of Ukraine:</u></p> <p>SSU7941:2015 Soil quality. Land reclamation. General requirements. K.: DP "UkrNDNC", 2016. 12 p. (Development Manager)</p> <p>SSU 8558: 2015 Seeds of trees and shrubs. Methods for determining sowing qualities (germination, viability, good quality). Valid from 2017-01-01. K.: DP "UkrNDNC", 2017. 91 p. (Co-author)</p>
Scientific projects	<p>Topic supervisor № 110-527-pr "Develop regional technological schemes for accelerated production of wood raw materials for energy purposes in different categories of forest areas"(2016-2017).</p> <p>Head of the topic section 110-510-pr "Develop scientific bases for improving methods of reproduction of forest resources of Ukraine from the stand point of sustainable forest management"(2015-2016).</p>
Conferences	<p>1. Bovsunovska A. O., A. O., Brovko O. F., Brovko F. M. Regarding catalase activity in urban soils of the rhizosphere of Cossack juniper with different lead content. <i>International Electronic Scientific and Practical Journal «WayScience»</i>. Modern Movement of Science: Proceedings of the 15 th International Scientific and Practical Internet Conference, October 19-20, 2023. FOP Marenichenko V.V., Dnipro, Ukraine, 2023. P. 94-96.</p> <p>2. Brovko F. M., Brovko D. F. Robinia psewdoacacia on the sandy lithosoils of Kyiv Polissia. Thesis statements of the participants of the International Scientific and Practical Conference "Present and Future of Ecotone Forests of Middle Latitudes", dedicated to the 180th anniversary of the Educational and Scientific Institute of Forestry and Landscape-Park Management and the 95th anniversary of "Boyarka Forest Research Station" NULES of Ukraine. Kyiv. 2021. Pp. 37-38.</p> <p>3. Kucheriavyi R. O., Brovko F. M. The current state of the permanent forest seed base in the State Enterprise "Krolevets Forest". Proceeding of the II All-Ukrainian scientific-practical conference, dedicated to the memory of Professor A.I. Guziy "Problems of management and exploitation of forest and hunting resources". (Zhytomyr, September 25, 2020). Zhytomyr, Polissya National University, 2020. Pp. 137-138.</p> <p>4. Brovko F. M., Brovko D. F. Prospects for the cultivation of Chamaecytisus ruthenicus on sands of natural and man-made origin. Thesis statements of the participants of the International scientific-practical conference "Research of forest and urban ecosystems for sustainable development". September 22, 2020. Kyiv. Editorial and publishing department of NULES of Ukraine. 2020. Pp. 43-44.</p> <p>5. Brovko F. M., Brovko D. F. Prospects for the cultivation of Montpellier maple on the dump landscapes of Kryvbas. Thesis statements of the participants of the International scientific-practical conference "Reforestation and forest reclamation in Ukraine: origins, current status, challenges and prospects in the Anthropocene". November 6-8, 2019. Pp. 117-118.</p> <p>6. Brovko F. M., Brovko D. F. Regarding the expediency of cultivating cotoneaster brilliant on dump landscapes of Kryvbas. Prospects for the development of forestry and landscape-park management. Fourth Annenkov readings. (October 3-4, 2019). Uman: Publisher "Sochinsky M.M.". 2019. Pp. 161-163.</p>
Prizes and awards	<p>Silver medal of the USSR Exhibition of Economic Achievements (1988), the award of the State Forestry Committee - the badge "Excellence in Forestry of Ukraine" (2008). Title of Honored Researcher of the National University of Life and Environmental Sciences of Ukraine(2017). Honorary award of the Society of Foresters of Ukraine (2018). The honorary diploma of Taras Shevchenko National University of Kyiv for successes in educational and scientific work (2023).</p>
Membership in academies and public organizations	<p>Academician of the Forestry Academy of Sciences of Ukraine (2011). Member of two specialized scientific councils at the National University of Life and Environmental Sciences of Ukraine(D. 26.004.09) and Taras Shevchenko National University of Kyiv(D.26.001.14). Member of the All-Ukrainian Society of Foresters of Ukraine (2001).</p>