



# Curriculum Vitae

Brovko F. M.

## PERSONAL INFORMATION



**Brovko Fedir Mykhailovych**

prospect Academician Gluhkov, 2, building 12,  
ESC «Institute of biology and medicine», office 455

+38(044)4310418

[brovkofm@knu.ua](mailto:brovkofm@knu.ua) ; [fmbrovko@ukr.net](mailto:fmbrovko@ukr.net)

Account in scientometric databases:

Scopus Author ID: 57215824452

Web of Science ResearcherID: AAO-6768-2020

ORCID: <https://orcid.org/0000-0001-7498-774X>

ResearchGate: <https://www.researchgate.net/profile/Fedir-Mykhailovych-Brovko>

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 degrees (specialization)	Doctor of Science in Agricultural. (Speciality 06.03.01 «Forest Plantations and Phytomelioration»)
Academic rank	Full professor
Position	professor
Department	Plant biology
Fakulty/institute	ESC «Institute of biology and medicine»
Part time position	-

## EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

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

## SCIENTIFIC AND PEDACOGICAL EXPERIENCE

Period (starting from last)	Description
Since 1 September 2018 till now	Position: Professor in Plant biology Taras Shevchenko National University of Kyiv; 64/13. Volodymyrska str. city of Kyiv. Ukraine. 01601; <a href="http://www.knu.ua">http://www.knu.ua</a> . Area of activity: Education / Science

2018 - 2007	Professor of the Department of Reforestation and Afforestation
	National University of the Life and Environmental Sciences of Ukraine; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; <a href="http://www.nubip.edu.ua/">http://www.nubip.edu.ua/</a> .
	Field of activity or sector: Education / Science
2000 - 2003	Part-time - Deputy Dean of the Forestry Faculty
	National agricultural university; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; <a href="http://www.nubip.edu.ua/">http://www.nubip.edu.ua/</a> .
	Field of activity or sector: Education
2006 - 1991	Associate Professor of Forest Plantations and Forest Phytopathology
	National agricultural university; Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; <a href="http://www.nubip.edu.ua/">http://www.nubip.edu.ua/</a> .
	Field of activity or sector: Education
1975 - 1990	Assistant of the Department of Forest Plantations (1975), Forest Plantations and Forest Phytopathology (1984)
	Ukrainian agricultural academy Geroiv Oborony str., 15, Kyiv, 03041, Ukraine; <a href="http://www.nubip.edu.ua/">http://www.nubip.edu.ua/</a> .
	Field of activity or sector: Education
1973 - 1974	Engineer
	Kyiv branch of the "Soyuzdiprolishosp" design and survey institute street Krasnoarmeyskaya, 33, Kyiv
	Sphere of activity or sector: Production
1972 - 1973	Master of forest plantations, assistant forester
	SE "Semenivka forestry" street Primakova, 46, Semenivka, Chernihiv region.
	Sphere of activity or sector: Production

#### EDUCATION AND TRAINING

Period (starting from last)	Description
2021	The International Historical Biographical Institute (Dubai- New York - Rome-Jerusalem - Beijing). II International Scientific Internship Program «Outstanding Personalities: Studying Experience and Professional Achievements for Forming a Successful Personality and Transforming of the World». International certificate №3008/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 landscapes of the Dnieper Upland of Ukraine" (scientific consultant - Doctor of Biological Sciences, Professor, Corresponding Member of UAAS A. 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 Kryvbass» (supervisor – Doctor of agricultural sciences, professor B. Logginov).
1976 - 1979	Ukrainian agricultural academy Correspondence postgraduate study, department of 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 language 1	English
Foreign language 2	-
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.
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.
<p>Publications For the last 5 years</p>	<p><u>Monographs:</u></p> <ol style="list-style-type: none"> <li>1. Brovko F., Brovko D., Shlapak V. Section 7. Forest reclamation of dump landscapes 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.</li> <li>2. Brovko F., Brovko O. Forest recultivation of dump landscapes of Kryvbas: Monograph. Kyiv: Condor Publishing House, 2019. 204 p.</li> <li>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.</li> <li>4. Brovko O., Brovko F. Cossack juniper in urban landscapes of Kiev: Monograph. Kyiv: Condor Publishing House LLC, 2018. 219 p.</li> <li>5. Brovko F., Brovko D. Phytomelioration of sandy lithosomes of natural and man-made origin: Monograph. Kyiv: Condor, 2017. 304 p.</li> <li>6. Brovko D., Brovko F. Forest cultivation methods of phytomelioration of sandy lithozems of the green zone of Kyiv: Monograph. Kyiv: Condor Publishing House, 2016. 262 p.</li> </ol> <p><u>Educational and methodical developments:</u></p> <ol style="list-style-type: none"> <li>1. Brovko F., Taran N., Brovko O., Wojciechowska O. Reforestation and afforestation: A textbook for students of OR "Bachelor", studying in the specialty 206 Horticulture »Kyiv: Condor Publishing House. 2019. 96 p.</li> <li>2. Brovko F., Brovko O., Ivanyuk I., Kaidyk V. Fundamentals of afforestation. Methodical instructions for practical work for students of EQL "Bachelor" who study at the Educational and Scientific Institute of Forestry and Horticulture in the direction of training 6.090103 "Forestry and Horticulture". K.: NULES of Ukraine, 2015. 74 p.</li> <li>3. Brovko F., Maurer V., Fuchilo Ja., Pinchuk A., Ivanyuk I., Kaidyk O., Kaidyk V. Forest crops. Methodical instructions for laboratory work in the section "Forestry" for students of EQL "Bachelor", who study in the direction of training 6.090103 "Forestry and horticulture". 2nd edition. K.: NULES of Ukraine, 2015. 64 p.</li> <li>4. Maurer V., Brovko F., Fuchilo Ja, Kaidyk O., Ivanyuk I., Pinchuk A., Kaidyk V. Forest crops. Work program and methodical advice for training practice for students of OS "Bachelor" in the direction of training 6.090103 "Forestry and horticulture". K.: NULES of Ukraine, 2015. 44 p.</li> <li>5. Introductory and technological practice. Program and methodical advice on the practice, collection of analytical and field material by students of OS "Bachelor" in the direction of training 6.090103 "Forestry and horticulture". V. Maurer, F. Brovko, Ya.. Fuchilo, O. Kaidyk, A. Pinchuk, I. Ivanyuk, V. Kaidyk. K.: NULES of Ukraine, 2015. 40 p.</li> </ol> <p><u>Articles:</u></p> <ol style="list-style-type: none"> <li>1. Fedir Brovko, Vasyl Yukhnovskiy, Dmytro Brovko, Olha Brovko, Victoria Minder, Yurii Urliuk Prospects of cultivation of Jack pine (<i>Pinus banksiana</i> Lamb.) on sandy soils of natural-technogenic origin in Kyiv Polissia. (<i>Scopus</i>) DOI: <a href="https://doi.org/10.2478/ffp-2022-0009">https://doi.org/10.2478/ffp-2022-0009</a> Folia Forestalia Polonica, Series A - Forestry, 2022, Vol. 64 (2), 90-99.</li> <li>2. Brovko, F M; Brovko, D F; Brovko, O F; Yukhnovskiy, V Yu. Productivity of seedlings of Scots pine on alluvial sands of natural and man-made origin (<i>Scopus</i>). Natsional'nyi Hirnychiy Universytet. Naukovyi Visnyk; Dnipropetrovsk Iss. 3, 2021: 88-94. DOI:10.33271/nvngu/2021-3/088.</li> <li>3. Volodymyr Maliuha, Vasyl Khryk, Viktoriia Minder, Ivan Kimeichuk, Maksym Raduchych, Andrii Rasenchuk, Fedir Brovko, Vasyl Yukhnovskiy Fractional composition and formation of forest litter in scots pine plantations on ravint-gully systems and the plain of the central part of Ukraine (<i>Scopus</i>) FORESTRY IDEAS, 2021, vol. 27, No 1 (61): 89-100.</li> <li>4. Brovko F., Brovko O., Tanchyk S., Yukhnovskiy, V. Optimization of water-physical properties of sandy soils of natural-technogenic origin (<i>Scopus</i>). Naukovyi Visnyk Natsionalnoho Universytetu, 2020. №1. S. 111-117. DOI:10.33271/nvngu/2020-1/111.</li> <li>5. Brovko D., Brovko F. Regarding the productivity of Scots pine plantations on alluvial sandy lithosomes of the green zone of Kyiv. Scientific Bulletin of the National University of Life and Environmental Sciences of Ukraine. Series "Forestry and ornamental horticulture", 2016. № 238. P. 131-139.</li> </ol>

	<p><u>Methodical recommendations for production:</u></p> <ol style="list-style-type: none"> <li>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 standpoint of sustainable forest management. Kyiv: NULES of Ukraine, 2016. P. 46-48 p.</li> <li>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.</li> </ol> <p><u>State standards of Ukraine:</u></p> <p>SSU 7941: 2015 Soil quality. Land reclamation. General requirements. K.: DP "UkrNDNC", 2016. 12p. (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>
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 standpoint of sustainable forest management" (2015-2016).</p>
Conferences	<ol style="list-style-type: none"> <li>1. 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 180<sup>th</sup> anniversary of the Educational and Scientific Institute of Forestry and Landscape-Park Management and the 95<sup>th</sup> anniversary of "Boyarka Forest Research Station" NULES of Ukraine. Kyiv. 2021. Pp. 37-38.</li> <li>2. Kucheriavyi R.O., Brovko F.M. The current state of the permanent forest seed base in the State Enterprise "Krolevetsk Forestry". 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.</li> <li>3. Brovko F.M., Brovko D.F. Prospects for the cultivation of Russian zinovat 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.</li> <li>4. 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.</li> <li>5. 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.</li> </ol>
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).</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>