



OLEKSANDR SOSHENSKYI

Associate Professor of Forestry (Silviculture) Department of the Education and Research Institute of Forestry and Park Gardening. Employee of the Regional Eastern Europe Fire Monitoring Center (REEFMC) <http://nubip.edu.ua/en/reefmc>

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Date of birth: 07.09.1990

EDUCATION

- December 2016** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Candidate of Science (Forest Inventory and Forest Mensuration)
Dissertation Title: Features of stem assortment structure and tree-size distribution of *Tilia cordata* L. stands in the forest-steppe of Ukraine
- December 2012** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Master of Sci. (Forestry)
Information systems in forestry. Forest productivity modeling. Forest monitoring. GIS technology in forestry. Forestry planning. Forest management. Forest policy
- July 2012** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Bachelor of Economics
Economic modelling. Organization of production. Marketing. Agricultural management. Foreign Language. Macroeconomics. Finances. Company strategy
- June 2011** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Bachelor of Forestry and Park Gardening
Philosophy. Math. Biometrics. Forest mensuration. Forestry. Fire management. Mathematical modelling
- May 2009** *Kremenets Forestry College, Kremenets (Ukraine)*
Junior Specialist of Forestry
Forest management. Forest plantations. Forestry. Math. Biology. Ecology. Philosophy

WORK EXPERIENCE

- January 2018 – current** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Associate Professor
Department of Silviculture. Teaching Forestry, Forest Pyrology, Fire management, Forest ecology, Non-timber forest resources, Recreational forestry, Silviculture
- September 2015 – Desember 2018** *National University of Life and Environmental Sciences of Ukraine, Kyiv (Ukraine)*
Assistant Professor
Department of Forest Mensuration and Forest Management. Teaching Forest Inventory, Forest mensuration, Forest Data Analysis
- November 2013 – current** *Regional Eastern Europe Fire Monitoring Center (REEFMC)*
Researcher. Employee of the REEFMC
Fire management

June 2013 – June 2016 *National Ukrainian Forest Inventory Enterprise " Ukrderzhlisproekt ", Irpin city (Ukraine)*
Engineer
Forest inventory

January – June 2013 *State Enterprise «Manevitske forestry», Manevichi city (Ukraine)*
Deputy Chief of Forest Ranger District
Forestry

PERSONAL SKILLS

Mother tongues: Ukrainian, Russian

Foreign language: English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B2	B2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES

Communication skills: Good communication skills gained through my experience as teacher, lecturer, scientific adviser and research projects team member

Digital competence: MS Office, Internet, Statistics, Date Base, QGIS, Photoshop, Lightroom

Driving licence - B

PUBLICATIONS



[ORCID 0000-0002-3028-0723](https://orcid.org/0000-0002-3028-0723)

<https://scholar.google.com/citations?user=-NBNbqIAAAAJ&hl=uk>

<https://www.researchgate.net/profile/Oleksandr-Soshenskyi/research>

Zibtsev S.V. et al. Forests Recovery of Luhansk Region on Burned Areas in the Context of Climate Change : monograph. [Zibtsev S.V., Savushchuk M.P., Maurer V.M., Balabukh V.O., Myroniuk V.V., Pinchuk A.P., Ivanyuk I.V., Lobchenko G.O., **Soshenskyi O.M.**, Humeniuk V.V., Tarnopilskyi P.B.] Kyiv: Editorial and Publishing Department of NUBiP of Ukraine, 2022. 154 p. (in Ukrainian).

Zibtsev S., Myroniuk V., Lakyda P., **Soshenskyi O.**, Gumeniuk V., Yavorovskiy P., Bogomolov V. Wildfires and Fire Management in the Chernobyl Exclusion Zone during 1986-2020 : monograph. Kyiv : CP "COMPRINT", Kyiv, 2020. 218 p.

Soshenskyi O., Myroniuk V., Zibtsev S., Gumeniuk V., Lashchenko A. Evaluation of Field-Based Burn Indices for Assessing Forest Fire Severity in Luhansk Region, Ukraine. Ukrainian journal of forest and wood science, 2022. Vol. 13, No 1(3). P. 21–34. URL: [http://dx.doi.org/10.31548/forest.13\(1\).2022.48-57](http://dx.doi.org/10.31548/forest.13(1).2022.48-57).

Myroniuk V., Zibtsev S., **Soshenskyi O.**, Gumeniuk V., Vasylyshyn R., Bidolakh D. Mapping fire severity over heterogeneous forested landscapes in the Eastern Ukraine to support postfire forest management. Proceedings of the XVI International Scientific Conference "Monitoring of Geological Processes and Ecological Condition of the Environment" 15–18 November 2022, Kyiv, Ukraine. URL: https://eage.in.ua/?page_id=3305.

Zibtsev, S., Georg Goldammer, J., **Soshenskyi, O.**, and Gumeniuk, V.: Transformation of Forests to Close-to-Nature Forest Management in Ukraine: Nature-based silvicultural and fire management methods for increasing the resilience of pine stands to drought and wildfire, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-13361, <https://doi.org/10.5194/egusphere-egu22-13361>, 2022.

Myroniuk, V., Zibtsev, S., G. Goldammer, J., Bogomolov, V., Borsuk, O., **Soshenskyi, O.**, Gumeniuk, V., and Zibtseva, E.: Fire risk assessment for prevention improvement in the Chernobyl exclusion zone, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-13368, <https://doi.org/10.5194/egusphere-egu22-13368>, 2022.

Myroniuk V., Zibtsev S., Bogomolov V., Sydorenko S., **Soshenskyi O.** Gumeniuk V. Mapping canopy base height using GEDI relative height metrics for wildfire simulation models. TerraEnVision 2022 Nature-based Solutions to Facilitate the Transitions for living within the Planetary Boundaries. Utrecht, the Netherlands, June 27 - July 1, 2022. Vol. 3 TNV2022-FI-3132. P. 88. URL: <https://terraenvision.eu/2022/book.php>

Myroniuk V., Zibtsev S., Gumeniuk V., **Soshenskyi O.** Modeling of risks of occurrence and development of landscape fires in the FLAMMAP software environment. International Scientific and Practical Conference «Ecosystem Services of Forests and Urban Landscapes», Kyiv, November 18, 2021: abstracts. K., 2021. P. 84-85. URL: https://nubip.edu.ua/sites/default/files/u184/tezi_dopovidey_mizhnarodna_konferenciya_ekosistemni_posluzhi_lisiv_ta_urbolanda_shaftiv_sayt.pdf

Soshenskyi O., Zibtsev S., Gumenyuk V. Modern challenges to the forest fire protection system in Ukraine. International Scientific and Practical Conference «Present and Future of Ecotone Forests of the Middle Latitudes», Kyiv, June 11, 2021: abstracts. K., 2021. P. 121-122. URL: https://nubip.edu.ua/sites/default/files/u184/tezi_dlya_saytu_teperishnie_ta_maybutnie_lisiv_ekotonu_serednih_shirot_1.pdf (in Ukrainian).

Soshenskyi O., Zibtsev S., Tierientiev A., Vorotynskyi O. Social and environmental consequences of catastrophic forest fires in Ukraine. Ukrainian Journal of Forest and Wood Science. 2021. 12(3). P. 21-34. <http://dx.doi.org/10.31548/forest2021.03.002>

Soshenskyi O., Zibtsev S., Terentyev A., Gumeniuk V., Vorotynsky O. Catastrophic forest fires in Ukraine in 2020. International scientific-practical conference, October 7-8, 2021, Zhytomyr "Modern problems of forestry and ecology: solutions", 2021. P.169-170. (in Ukrainian).

Soshenskyi O., Zibtsev S., Gumeniuk V., Goldammer J. G., Vasylyshyn R., Blyshchuk V. The current landscape fire management in Ukraine and strategy for its improvement. Environmental & Socio-economic Studies. Vol.9. No.2. 2021. P. 39-51. <https://doi.org/10.2478/enviro-2021-0009>

Bilous A., Myroniuk V., Svychnuk V., **Soshenskyi O.**, Lesnik O., Kovbasa Y. Semi-empirical estimation of timber taper using stem profile equations. Journal of forest science. 2021. https://www.agriculturejournals.cz/web/jfs.htm?type=article&id=209_2020-JFS

Gumeniuk V., Holiaka D., Koren V., **Soshenskyi O.**, Effects of ground fires on Scots pine forests of the Poliskyi Nature Reserve. Forestry ideas. 2021. Vol. 27. No 1 (61) 3-18 p.

Myroniuk V., Zibtsev S., Bogomolov V., **Soshenskyi O.**, Gumeniuk V., Vasylyshyn R. A web-based platform LANDSCAPE FIRES: regional-level fire Management information system for Northern Ukraine. Proceedings of the XXth International Conference "Geoinformatics: Theoretical and Applied Aspects", 10-14 May 2021, Kyiv. P. 21113. URL: <https://eage.in.ua/wp-content/uploads/2021/05/21113.pdf>

Zibtsev S., Myroniuk V., Lakyda P., **Soshenskyi O.**, Gumeniuk V., Yavorovskyi P., Bogomolov V. Wildfires and Fire Management in the Chernobyl Exclusion Zone during 1986-2020. Monograph. CP "COMPRINT", Kyiv, 2020. P - 218.

Zibtsev S., **Soshenskyi O.**, Myroniuk V., Gumeniuk V. Wildfire in Ukraine: an overview of fires and fire management system. Ukrainian Journal of Forest and Wood Science. 2020. 10(3):27-40. <https://doi.org/10.31548/forest2020.02.015>

Zibtsev S., **Soshenskyi O.**, Myroniuk V., Gumeniuk V. landscape Fires of the Ukrainian Part of the Trans-Border Ramsar Territory «Olmany-Perebrody» According to Remote Sensing Data. Forestry and forest melioration. Iss. 134. 2019. P 88–95. https://nubip.edu.ua/sites/default/files/u184/10_zibtsev.pdf

Goldammer J. G., Zibtsev S., Yavorovskyi P., **Soshenskyi O.**, Gumeniuk V. Ukrainian forests and climate change: naturebased solutions for increasing the resilience to drought and wildfire. International conference «Classification of forests as the basis of modern close-to-natural silviculture in Ukraine». Kyiv, 2019. P. 10-13. https://nubip.edu.ua/sites/default/files/u259/zbirnik_tez.pdf

Zibtsev S., Yavorovskyi P., Gryb V., Bilous A., Nestoryak Y., Gumeniuk V., **Soshenskyi O.** et al. Current problems of close to nature silviculture on a typological basis. International conference «Classification of forests as the basis of modern close-to-natural silviculture in Ukraine». Kyiv, 2019. P. 32-34. (in Ukrainian) https://nubip.edu.ua/sites/default/files/u259/zbirnik_tez.pdf

Zibtsev S. V., **Soshenskyi O. M.**, Humeniuk V. V., Koren V. A. Long term dynamic of forest fires in Ukraine. Ukrainian Journal of Forest and Wood Science. 2019. Vol.10(3). P. 27-40 (in Ukrainian). <https://forestscience.com.ua/en/journals/tom-10-3-2019/bagatorichna-dinamika-lisovikh-pozhyezh-v-ukrayini>

Zibtsev S., Lasko R., Myroniuk V., Gumeniuk V., **Soshenskyi O.**, Yavorovskii P., Goldammer J. G. Concept for Integrated Fire Management on Terrain Contaminated by Radionuclides in the Chernobyl Exclusion Zone. 7ª Conferência Internacional sobre Incêndios Florestais – Resumos. Ano 9 – Número 1 – 2019. https://nubip.edu.ua/sites/default/files/u184/biobrasil_wildfire-completa_s.zibtsev.pdf

Gumeniuk V., Zibtsev S., **Soshenskyi O.** Post-fire Succession of Understory Vegetation in Scotch Pine Forests of Central Polissya of Ukraine. 7ª Conferência Internacional sobre Incêndios Florestais – Resumos. Ano 9 – Número 1 – 2019.

https://nubip.edu.ua/sites/default/files/u184/biobrasil_wildfire-completa_v.gumeniuk.pdf

Zibtsev, S. V., Myroniuk, V. V., **Soshenskiy, O. M.**, Koren, M. S., & Koren, V. A. Wildfire regimes of natural landscapes of the Rivne region of Ukraine. Scientific Bulletin of UNFU, 29(6), 2019. 18–23. <https://doi.org/10.15421/40290603> (in Ukrainian).

Usenia V., Zibtsev S.V., **Soshenskiy O.M.**, Koren V. A. Comparative Analysis of Legislation Regulating Fire Management in Belorussian and Ukrainian Sectors of the Chornobyl Exclusion Zone. Forestry and landscape gardening. Iss. 14. 2018. P 1-25. <http://journals.nubip.edu.ua/index.php/Lis/article/view/12641/11248> (in Ukrainian).

Soshenskiy O. Peculiarity of biometrics structure of linden tree stands according to the diameter. Ukraine: in Proceedings of the Conference "Actual problems of the forest sector and Landscape Architecture ". Kyiv. - April 14-15. 2016. (in Ukrainian).

Soshenskiy O. Biometrics structure of linden tree stands according to the diameter. ISBN 5-7763-2435-1. Lviv. Ukraine. 2016. № 26.3. P. 164-171. http://nvunfu.esy.es/Archive/2016/26_3/29.pdf (in Ukrainian).

Soshenskiy O. Size-quality structure of linden tree trunks of immature and middle-aged stands. ISSN 2222-8616. Kyiv. Ukraine. 2015. № 229. P. 31-38. (in Ukrainian).

Soshenskiy O. Peculiarity of height-diameter ratio of tree trunks of linden tree stands. Ukraine: in Proceedings of the Conference "The challenges of the 21st century and mitigation in the forestry sector and environment". Kyiv. October 7-9. 2015. (in Ukrainian).

Soshenskiy O., Girs O., Svynchuk V. Analysis of linden tree stands produktivity of Ukraine. Scientific reports of the *National University of Life and Environmental Sciences of Ukraine*. Kyiv. - 2015. - № 52. http://nd.nubip.edu.ua/2015_3/index.html (in Ukrainian).

Soshenskiy O., Girs O. Height-diameter ratio of tree trunks of linden stands. ISSN 2222-8616. Kyiv. - 2015. № 219. P. 55-61. (in Ukrainian).

Soshenskiy O. Development of standards for estimation of stock and size-quality structure of mature linden stands. ISBN 5-7763-2435-1. Lviv. Ukraine. 2015. № 25.9. P. 82-89. http://nvunfu.esy.es/Archive/2015/25_9/15.pdf (in Ukrainian).

Soshenskiy O. Modeling volume of tree trunks of lime in the conditions of Vinnytsia region. Ukraine: in Proceedings of the Conference "Forestry and horticulture 21st century: current problems and solutions ". Kyiv. - March 13-14. 2014. (in Ukrainian).

Soshenskiy O., Svynchuk V. Form factor peculiarities of tree stems of *Tilia cordata Mill.* in forest-steppe of Ukraine. ISSN 2222-8616. Kyiv. 2014. № 189. P. 65-70. (in Ukrainian).

PROJECTS / GRANTS

June 2022 WWF project "Impact of war of 2022 on forests, forestry and fire management". https://nubip.edu.ua/sites/default/files/u184/wwf_a4_6_0.pdf

June 2020 – May 2022 RESILPINE (Germany). Waldumbau von Kiefernwäldern zu einer naturnahen Waldwirtschaft in der Ukraine – unter besonderer Berücksichtigung der Resilienz gegenüber Feuer und Witterungsextremen wie Trockenheit nach den Prinzipien des naturnahen Integrierten Feuer-Managements.

Nov. 2016 – Oct. 2020 CoE / GFMC UA risk reduction project, GEF-UNEP project "Conserving, Enhancing and Managing Carbon Stocks and Biodiversity in the Chernobyl Exclusion Zone" https://nubip.edu.ua/sites/default/files/u184/report_chern_gef_baseline_inf_and_gap_analysis_fire_man_in_cherz.pdf

Sept. 2016 – Aug. 2018 US Forest Service. Improvement US-Ukraine cooperative technology development and research related to mitigating wildfire impacts in the Chornobyl Exclusion Zone. https://nubip.edu.ua/sites/default/files/u184/usfs_ua_chernobyl_fire_report_fin_0.pdf

Aug., 2017 US Forest Service. International Seminar on Disaster Management.

Dec., 2017 OSCE. Local Expert on forest fire management in the project "Improving radiological and environmental awareness in territories affected by the Chernobyl accident in Belarus and Ukraine with a focus on wildfire management". https://nubip.edu.ua/sites/default/files/u184/terminologiya_04_sep_2017.pdf

<https://gfmc.online/wp-content/uploads/BEL-RUS-Chernobyl-Fire-Management-Guidelines-OSCE-GFMC-2017.pdf>

ADDITIONAL INFORMATION

Activities

- Oct. 25-30, 2021** Research stay in Germany on the Project "Transformation of Forests to Close-to-Nature Forest Management in Ukraine: Nature-based silvicultural and fire management methods for increasing the resilience of pine stands to drought and wildfire" (RESILPINE) <https://nubip.edu.ua/node/100679>
- Apr. 9, 2019** Training for forest firefighters in the State Enterprise "Ostersky Military Forestry" to use a controlled burning. Chernihiv region. Ukraine <https://nubip.edu.ua/en/node/60177>
- Feb. 21, 2019** Training for forest firefighters in the Rivne Natural Reserve. Sarny city, Rivne region, Ukraine <https://nubip.edu.ua/en/node/56835>
- Oct. 24, 2018** International conference "Ecological and social challenges for the forests and forest management and possible solutions to them". Kyiv, Ukraine <https://nubip.edu.ua/en/node/52269>
- Mar. 3, 2018** The 2nd National Round Table "Fires in the Natural and Cultural Landscapes of Ukraine: Developing a National Policy for the Wildfires Management" – announcement. Kyiv, Ukraine <https://nubip.edu.ua/en/node/57326>
- Feb. 20, 2018** Vth National Coordination Meeting on Prevention and Safe Suppression of Wildfires in the Chernobyl Exclusion Zone. Kyiv, Ukraine <https://nubip.edu.ua/en/node/43469>
- Oct. 26, 2017** National Round Table – fires in the natural and cultural landscapes of Ukraine: towards a holistic fire management approach in forests, agricultural lands and other ecosystems. Kyiv, Ukraine <https://nubip.edu.ua/en/node/38408>
- Aug. 7-21, 2017** International Seminar on Disaster management. USA, California <https://www.fs.usda.gov/inside-fs/delivering-mission/apply/international-seminar-disaster-management-shares-best-practices>
- Jun. 28, 2017** A Workshop Assessing Wildfire Risk and Exploring Mitigation Strategies for Chernobyl Affected Landscapes. Kyiv, Ukraine <https://nubip.edu.ua/en/node/34593>
- Apr. 13, 2017** III National Coordination Meeting, field/command staff training in the Chernobyl Exclusion Zone. Chernobyl city, Kyiv region, Ukraine <https://nubip.edu.ua/en/node/33689>
- During 2017** Local Expert on forest fire management in the project "Improving radiological and environmental awareness in territories affected by the Chernobyl accident in Belarus and Ukraine with a focus on wildfire management". https://nubip.edu.ua/sites/default/files/u184/terminologiya_04_sep_2017.pdf
<https://gfmc.online/wp-content/uploads/BEL-RUS-Chernobyl-Fire-Management-Guidelines-OSCE-GFMC-2017.pdf>
- Dec. 1-3, 2016** Second National Coordination Meeting on enhancing fire management capacity in the Chernobyl Exclusion Zone. Voevodino resort, Trans-Carpathian region, Ukraine <https://nubip.edu.ua/en/node/33690>
- Sept. 26-30, 2016** Training on large fire incidents management and coordination for top/middle level commanders in the Chernobyl Exclusion Zone. Boyarka city, Kyiv oblast, Ukraine <https://nubip.edu.ua/en/node/33692>