

## GENERAL INFORMATION

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<b>Date of birthday</b>	7-12-1984
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## EDUCATIONAL BACKGROUND:

**2015** – obtained the academic title of associate professor of the Department of Agrosphere Ecology and Environmental Control, the National University of Life and Environmental Sciences of Ukraine

**2012** – obtained a Ph.D. degree in pedagogical environmental sciences (theory and teaching methods (agricultural disciplines), the National University of Life and Environmental Sciences of Ukraine

**2009-2012** – Ph.D. student at the Department of Agrosphere Ecology and Environmental Control, the National University of Life and Environmental Sciences of Ukraine

**2008** – obtained a Master's degree in the specialty “Ecology and environmental protection” at the National University of Life and Environmental Sciences of Ukraine (cum laude)

## WORK EXPERIENCE:

**Since 09/2015** – Docent and associate professor at the Department of Agrosphere Ecology and Environmental Control, Faculty of Plant Protection, Biotechnology and Ecology, the National University of Life and Environmental Sciences of Ukraine

**Since 05/2023** – Guest researcher at the Wageningen Systems and Global Change group (WSG), Wageningen University & Research, the Netherlands

**2011-2014** – Vice-dean at the Faculty of Ecology and Sustainable Development; a head of laboratory “Environmental expertise and passportization of territories and industries” at the Department of Agrosphere Ecology and Environmental Control, the National University of Life and Environmental Sciences of Ukraine

**2010-2014** – Assistant at the Department of Agrosphere Ecology and Environmental Control, the National University of Life and Environmental Sciences of Ukraine

## MAIN PUBLICATIONS:

1. Zhang, Q., Kroeze, C., Cui, S., Li, Y., Ma, L., **Strokal, V.**, ... & Strokal, M. (2024). COVID-19 estimated to have increased plastics, diclofenac, and triclosan pollution in more than half of urban rivers worldwide. *Cell Reports Sustainability*, 1(1). [https://www.cell.com/cell-reports-sustainability/pdf/S2949-7906\(23\)00001-0.pdf](https://www.cell.com/cell-reports-sustainability/pdf/S2949-7906(23)00001-0.pdf)
2. **Strokal, V.**, Kurovska, A., & Strokal, M. (2023). More river pollution from untreated urban waste due to the Russian-Ukrainian war: a perspective view. *Journal of Integrative Environmental Sciences*, 20(1), 2281920. DOI: <https://doi.org/10.1080/1943815X.2023.2281920>
3. Strokal, M., **Strokal, V.**, & Kroeze, C. (2023). The future of the Black Sea: More pollution in over half of the rivers. *Ambio*, 52(2), 339-356. DOI: <https://doi.org/10.1007/s13280-022-01780-6>
4. Wang, M., Zhang, Q., Li, Y., Bak, M., Feng, S., Kroeze, C., **Strokal, V.**, ... & Strokal, M. (2023). Water pollution and agriculture: Multi-pollutant perspectives. *Frontiers of Agricultural Science and Engineering*, 10(4), 639-647. <https://doi.org/10.15302/J-FASE-2023527>
5. **Strokal V. P.**, Berezhniak Ye. M., Naumovska O. I., and others (2023). The implications of the Russian-Ukrainian war on the state of natural resources in Ukraine: *the monograph* / V. P. Strokal, Ye. M. Berezhniak, O. I. Naumovska, L. V. Vagaliuk, M. M. Ladyka, G. A. Serbeniuk, S. P. Palamarchuk, S. D. Pavliuk // Under the general editorship of V. P. Strokal. Kyiv: Publishing Center of NUBiP of Ukraine, 2023. 210 p. URL: <https://dglip.nubip.edu.ua/handle/123456789/10632>
6. **Strokal, V.**, Kuiper, E. J., Bak, M. P., Vriend, P., Wang, M., van Wijnen, J., & Strokal, M. (2022). Future microplastics in the Black Sea: River exports and reduction options for zero pollution. *Marine Pollution Bulletin*, 178, 113633. DOI: <https://doi.org/10.1016/j.marpolbul.2022.113633>
7. Makarenko, N. A., **Strokal, V. P.**, Berezhniak, Y. M., Bondar, V. I., Pavliuk, S. D., Vagaliuk, L. V., ... & Kovpak, A. V. (2022). The war consequences on natural resources of Ukraine: analyses and methodologies. *Scientific reports of NULES of Ukraine*, 4(98). 1-31. URL: <http://journals.nubip.edu.ua/index.php/Dopovidi/article/view/16137>
8. **Strokal, V.**, & Kovpak, A. (2022). Anthropogenic impacts on water quality of Kyiv reservoir (Part 2: water quality and pollution sources). *Scientific Journal of "Biological Systems: Theory and Innovation"*, 13(3-4). DOI: <http://journals.nubip.edu.ua/index.php/Biologiya/article/view/16704>
9. **Strokal, V.**, & Kovpak, A. (2021). Causes of nutrient pollution in the Dnipro River basin: theoretical syntheses. *Scientific Journal of "Ecological Sciences"*, 2. 35, 37-44. URL: <https://doi.org/10.32846/2306-9716/2021.eco.2-35.6>
10. **Vita Strokal** (2021). Transboundary rivers of Ukraine: perspectives for sustainable development and clean water. *Journal of Integrative Environmental Sciences*. Vol.18, No.1, P. 67-87. DOI: <https://www.tandfonline.com/doi/pdf/10.1080/1943815X.2021.1930058>
11. **Strokal, V.P.** & Kovpak A.V. (2020). The basin approach for water resources management in Ukraine: the SWOT analysis. *Scientific journal "Biological systems: theory and innovation"*, Том 11, № 4. DOI: <http://dx.doi.org/10.31548/biologiya2020.04.004>
12. **Strokal, V.** (2020). Anthropogenic load on water and of land resources: problems of local territories of Ukraine. *Scientific journal of Balanced nature using*, (2), 119-128. <http://journals.uran.ua/bnusing/article/view/208822/213059>

## Reports / Presentations at the congresses, symposiums, conferences

Environmental aspects of land resources // Conference proceedings of the international conference “Agrarian science and education under European integration”. 20-21 March 2019, Ternopil city, Ukraine

Consequences of climate change for water resources of Ukraine: theoretical aspects // Conference proceedings of the international conference “Environmental problems and rational nature management in the context of sustainable development“. 22-23 October 2020, Kherson, Ukraine

Human activities: point and diffuse sources of pollution of the Dnipro River // XII Ukrainian scientific and practical conference “Water in the food industry”, 25-26 March 2021, Odesa, Ukraine

Conservation of natural water in the Dnipro basin of Ukraine – in the context of the European Directives // International scientific conference “Challenges, threats and development in the field of biology, agriculture, ecology, geography, geology and chemistry”, 2-3 July 2021, Lublin, Poland

Digitalization in the environmental strategies in Ukraine // The XXVIII International Scientific and Practical Conference «Science and practice, actual problems, innovations: agricultural sciences», 19-22 July 2022, Milan, Italy

Causes of water pollution in the Dnipro basin // Ukrainian Scientific and Practical Conference “Interdisciplinary Research: Humanities and Natural Sciences”, 22-23 July 2022, Odesa, Ukraine

Drivers of multiple pollutants in Ukrainian rivers // International congress “ISIMIP-PROCLIAS”, 4-5 July 2023, The Czech University of Life Sciences, The Czech Republic

The impact of the Russian-Ukrainian war on the soil-surface water interactions // EGU General Assembly, 15-19 April 2024, Vienna, Austria

## ADDITIONAL INFORMATION:

### *Organizational activities:*

2015, 2016, 2017 (May-June) – involvement in organizing the international educational course “Radioactivity and Nuclear Power”, The Wageningen University & Research, The Netherlands

2020, 2021, 2022, 2023 (April) – involvement in organizing the international conference “Ecology – the Philosophy of Human Existence”, The National University of Life and Environmental Sciences of Ukraine, Ukraine

### *Executor and leader of projects:*

Since 2024 – Leader of the Ukrainian part of the [Path4Med Horizon EU project](#) “Demonstrating Innovative Pathways Addressing Water and Soil Pollution in the Mediterranean Agro-Hydro-System” (101156867)

Since 2020 – Leader of the scientific innovative theme “The future of the water resources in the Dnipro basin in Ukraine associated with the anthropogenic influences”, the National University of Life and Environmental Sciences of Ukraine

2021-2024 – [CLIMAGRI4Ukraine project](#). It is Dutch project on pathways towards sustainable food systems in Ukraine. The National University of Life and Environmental Science of Ukraine is one of the partners. This project aims towards climate-resilient smart agriculture and sustainable food systems in Ukraine, focusing on the post-war recovery phase.

2023-2024 – The project “Land Cover Change in River Deltas of the Black Sea Basin”. It is an ongoing Research Bilateral Project NUBiP of Ukraine – Karadeniz Technical University (Turkey). This project focuses on flood-plain areas in the deltas of the Black Sea.

2020-2021 – The DAAD project “Digital Modernisation of Lecturing in Ukrainian Agricultural Universities”