Nataliia Matviienko

CONTACT INFORMATION

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	www.researchgate.net/profile/Natalya_Matvienko
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	https://scholar.google.com/citations?hl=en&user=91hVZVsAAAAJ

EDUCATION AND ACADEMIC DEGREE

2014	Doctor of Biological Sciences in Virology (Dr.(HP): Biological properties of RNA viruses of fish in freshwater aquaculture of Ukraine". Taras Shevchenko Kiev National University, Kiev, 2014.
2002	Candidate of Biological Sciences in Virology (Ph.D equivalent): "Biological characteristics and indication of equine infectious anemia virus" Taras Shevchenko Kyiv National University, Kiev, 2002.
1996	M.Sc., in Biology and Virology, Biological Faculty, Department of Virology, National University, Kiev, Ukraine, 1996.

PROFESSIONAL EXPERIENCE

2022 - present time	(work under a contract for the period of the war in Ukraine) Junior researcher Laboratory of Ecotoxicology Nature Research Centre, Vilnius, Lithuania
2016-2022	Hydrobiologist, Laboratory of Ichthyopathology, National Fisheries Agency of Ukraine
2004- present time	(distance work) - Professor, Dr.(HP), Head of the Laboratory Ichthyopathology, Institute of Fisheries, Ukrainian Academy of Agricultural Sciences, Kiev.
2003-2004	
2002-2003	Senior Research Scientist of the Laboratory of Ichthyopathology, Institute of Fisheries, Ukrainian Academy of Agricultural Sciences, Kiev.
2000-2002	Senior Research Scientist of the Laboratory of Virology, Institute of Veterinary Medicine, Ukrainian Academy of Agricultural Sciences, Kiev.
1998-2002	Junior Research Scientist of the Laboratory of Virology, Institute of Veterinary Medicine, Ukrainian Academy of Agricultural Sciences, Kiev.
	medical manager in the private clinic "Vitacell", Kiev
1996-1997:	Regional sanitary virologist - epidemiological station, virology laboratory Rovno

RESEARCH INTERESTS

Area of expertise: ichthyopathology, development of modern methods for diagnosing fish diseases under conditions of climate change and its impact on aquaculture and fish ecology. Study of potential risks of nanomaterials and nanotechnologies, development of criteria for their safety for human health and the impact of nanoaccumulators on hydrobionts. The use of environmentally friendly preparations in aquaculture to obtain high-quality fish products. Influence of environmental factors on fish health. The study of fish diseases of various etiologies. Detection of genetic disorders in tumoral cells (lymphosarcoma of pike and a pikeperch).

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (with citation index):

1. Sych A. Buchatsky L. **Matvienko N**. Elevation of Non-Specific Resistance of Carp//Journal of Comparative Pathology.- Vol.141(4)-P. 315-316 DOI: 10.1016/j.jcpa.2009.08.150.-
2. Kvach Yu., **Matvienko N.,** Bryjová A., Ondračková M. Aquaculture as a possible vector in the spread of *Posthodiplostomum centrarchi* (Hoffman, 1958) (*Digenea: Diplostomidae*) in Europe // BioInvasions Records.- 2018. -Vol. 7, iss. 4.- P. 427—432. DOI: https://doi.org/10.3391/bir.2018.7.4.12.
3. **Natalia Matvienko**, Natalya Kharkavlyuk, Leonid Buchatsky and Alexander Didenko Characteristics of spring viraemia of carp virus strains isolated in different regions of Ukraine // Zoology and Ecology, 2013, Volume 23, Issue 3,- p.198-202. DOI: 10.1080/21658005.2013.831530
4. **Natalia Matvienko**, Yuriy Rud, Leonid Buchatsky. Partial nucleotide sequences of glycoprotein gene of Ukrainian strains of Spring viraemia of carp virus // Zoology and Ecology. – 2014. Vol.24(1).-P.70-74. DOI: 10.1080/21658005.2014.889939
5. **Natalia Matvienko**, Yury Rud, Leonid Buchatsky. Replication of infectious pancreatic necrosis virus in different cell lines and organism of rainbow trout (oncorhynchus mykiss) fingerlings. Archives of Polish Fisheries. – 2014. - №22 - P.127-133. DOI: 10.2478/aopf-2014-0012
6. **Natalia Matvienko**, Andriy Vaschenko, Alexander Nazarov, Alexander Aishpur Eustrongylidosis of predatory fish species in Dnieper reservoirs // Zoology and Ecology. – 2015, vol 25, Issue3.-P. 235-238. DOI: 10.1080/21658005.2015.1057393.
7. Kozij M. S. and **Matvienko N. N**. Bioindication of Natural Waters Using a Histological Analysis of the *Carassius Auratus* Mesonephros Structure //Journal of Water Chemistry and Technology.- 2017.- Vol. 39, No. 3.- P. 177–180.DOI: 10.3103/S1063455X17030109.
8. **Matvienko N**., Levchenko A., Danchuk O., Kvach Y. Assessment of the occurrence of microorganisms and other fish parasites in the freshwater aquaculture of Ukraine in relation to the ambient temperature// Acta Ichthyol. Piscat. - 2020. - № 50 (3):-P. 333–348. DOI: 10.3750/AIEP/02979
9. **Natalia Matvienko**, Alexander Koziy, Alexander Didenko,Issak Sherman Assessment of the Effect of Catosal on the Stimulation of Ovogenesis in Sterlet During Pre spawning Period. *Aquaculture Studies,* 22(1) AQUAST583 http://doi.org/10.4194/AQUAST583

10. .Zamorov Veniamin; Zamorova Mariia; Krupko Dmytro; **Matvienko Nataliya**; Leonchyk Yevhen; Kvach Yuriy Shape analysis of otoliths of round goby, Neogobius melanostomus (Gobiiformes: Gobiidae), from the Black Sea basin Zoodiversity. 55(4): 317–330, 2021 DOI 10.15407/zoo2021.04.317
11. **Matvienko N**., Nedosekov V., Koziy M., Kravchenko A. (2022) Fish welfare in Ukraine. Zoology and Ecology 32(1), 84–89. https://doi.org/10.35513/21658005.2022.1.10

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (without citation index):

1.Matvienko N., Maistrenko M., Buchatsky L., Didenko A. Diseases of different aetiologies in salmonids in Ukraine // Biologija. -2019.- Vol. 65, № 4.- P. 273—282.DOI: https://doi.org/10.6001/biologija.v65i4.4121.

2.Rud Yu., Matvienko N., Buchatskiy L. Characterisation of a newly isolated SVCV strain in Ukraine // Biologija.- 2019.- Vol. 65, № 3.- P. 165—173. https://doi.org/10.6001/biologija.v65i3.4085.

3. Matvienko N., Svechkova N. Investigation into the influence of humic substances on the potentially pathogenic flora of fish // Biologija.- 2019.- Vol. 65, № 3.- P. 202—208.https://doi.org/10.6001/biologija.v65i3.4089.

4. Andriy Lysytsya, Natalya Matvienko, Mihail Kozii, Alexander Aishpur. Influence of polymeric derivatives of guanidine on hydrobionts // BIOLOGIJA.- 2017. -Vol. 63, No. 3.- P. 270–282 DOI: https://doi.org/10.6001/biologija.v63i3.3582 /https://mjl.clarivate.com/search-results, ISSN 1392-0146.

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. Koziy M.S. Atlas of human fetal histology: a textbook. / Koziy M.S., Silenko A.A., Grishchenko G.V., N.M. Matvienko. - Nikolaev, Publishing house of the CNU named after Peter Mohyla, 2022. - 397 p.
2. Buchatsky L.P.,Rud Yu.P., Matvienko N.M. Viral diseases of sturgeon and salmon: monograph - K .: DIA, 2020. - 240 p. ISBN 978-617-7785-10-0

Reviewed scientific articles, published in Ukraine:

1. FrishtakO. M., **Matvienko, N. M.,** & Gricenak, I. I. (2022). THE USE OF ENVIRONMENTALLY-SAFE POLUMS IN AQUACULTURE. *Animal Breeding and Genetics*, *64*, 84-109. https://doi.org/10.31073/abg.64.08
2. Vashchenko A.V., **Matviienko N.M.** The analysis of parasitological situation in specialized farms and natural reservoirs of Kyiv region. *Taurian science bulletin*2022 (128)- C. 353-358 DOI https://doi.org/10.32851/2226-0099.2022.128.49
3. Vashchenko, N. Matvienko, I. Kravchenko, A. Mruk Parasitic diseases of whitefish (*Coregoninae*) (a review) Ribogospod. nauka Ukr., 2021; 3(57): 87-106 DOI: https://doi.org/10.15407/fsu2021.03.087

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2021-2025 **Project manager**: Research Program of the National Academy of Agrarian Sciences of Ukraine. 32. "System of integrated scientific support of fisheries in inland waters of Ukraine" ("Fish farming and fishing") - 32.00.00.03F Investigate the peculiarities of the ichthyopathological situation in freshwater ecosystems of Ukraine and improve the scientific basis for its monitoring and forecasting. (2021-2025) (State registration number 0121U108911)

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2021 – 2023 **Project manager** Research Program of the National Academy of Agrarian Sciences of Ukraine. 32. "System of integrated scientific support of fisheries in inland waters of Ukraine" ("Fish farming and fishing") 32.00.00.11.P Improvement of aquaculture technologies with the use of prophylactic methods of preserving the health of aquatic organisms (State registration number 0121U108910)

2023-2025 **Project manager:** Research project **Funded under the EU's Marie Skłodowska-Curie Actions, the MSCA4Ukraine** "Study of the protective potential of probiotics in combination with nanoparticles during long-term exposure to juvenile fish to assess possible risks" Nature Research Centre Laboratory of Ecotoxicology

INTERNSHIP AND TRAINING

2012 06 / 07 Research internship / Laboratory of fish disease diagnostics, Landes Department , Mont-de-Marsan /France

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Matvienko Natalia,** Shepelevich Victoria, Tushnitska Natalia. Invasive species as vectors in the spread of viral diseases of fish .Abstracts 9th International conference 'Bioresources and Viruses' – Sep 9-11, 2019- C.70
2. **Nataliia Matviienko**, Yurii Zabitivsky, Justas Poviliūnas, Anhelina Velychko "Problems with survival of juvenile sturgeon in closed recirculation systems and ways of solving them." Aquaculture Europe 2022 – "Innovative Solutions in a Changing World" Rimini, Italy, , September 27-30 2022 https://eposters.blob.core.windows.net/eas-eposters/AE2022AbstractBook.pdf

National scientific conferences:

1. **Matvienko N.M.,** Oliynik O.B., Vashchenko A.V. Changes in the parasitofauna of commercial fish species on the watersheds of the Dnipro cascade. Current problems of theoretical and practical ichthiology: materials of the XIII International ichthiology scientific and practical conference (Kharkiv city, 17-19 April 2020) - Kharkiv, 2020 - p.122-127
2. **Matvienko N.M.,** Oliynik O.B. Infection of fish with a mycotic infection Current problems of theoretical and practical ichthiology: materials of the XIV International ichthiology

scientific and practical conference (Kharkiv city, 23-25 September 2021) - Kharkiv 2021 - p.99-104.

3. **Matvienko N.M.,** Frishtak O.M. Parasitic diseases of carp fish in freshwater aquaculture of Ukraine Materials of the III International Scientific and Practical Conference "Modern problems of the rational use of aquatic biological resources, October 25-27, 2021, Kyiv, Ukraine - P.94-95 https://if.org.ua/index.php/uk/konf-irg/918-2021kijiv

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Field of science: Veterinary sciences .

Olena Oliynik	Dissertation for obtaining scientific degree Candidate of Sciences in the specialty 16.00.11- «Parasitology». «Carp fish Crustacean diseases: spreading, diagnostics and medioprophylactic measures»	2018-10-24

Field of science: Agricultural sciences .

Andryi Vashchenko	Dissertation a Candidate Degree in Agricultural Sciences, specialty 06.02.03 – fisheries “Productive characterization of different age groups of carp (*Cyprinus carpio*) and channel catfish (*Ictalurus punctatus*) during administration in fish diets the feed additives "Bio-mos" and "Nupro"	2019-10-25

Scientific consultant:

Field of science: Biology (091)

Oksana Shtapenko	Dissertation submitted for the acquisition of a scientific degree doctor of biological sciences Dr (HB) , specialty 03.00.20 - biotechnology: „"Biotechnological aspects of regulation of gametogenesis for correction of early embryonic development of animals»	2019-09-25