

Milda Stankevičiūtė

CONTACT INFORMATION

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<https://www.researchgate.net/profile/Milda-Stankeviciute>
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EDUCATION AND ACADEMIC DEGREE

2014 – 2018 Doctoral degree, Ecology and Environmental Research (03 B), Biomedical sciences (Vilnius university and Nature Research Centre).
PhD thesis: “ Experimental studies of xenobiotics genotoxicity and cytotoxicity in fish erythrocytes”, supervisor – habil. dr. J. Baršienė.
Field of research: genotoxicology; nanogenotoxicology; ecotoxicology.

2012 – 2014 Vilnius university, Ecology / Master degree.
Master thesis: “The diversity of beetle assemblages in beavers transformed habitats”.
Vilnius University, Center of Ecology and Environment.
The aim of the study: evaluation of the importance of beaver transformed habitats for beetle (*Coleoptera*) abundance and diversity, in comparison to forest habitats.

2008 – 2012 Vilnius university, Ecology and environmental studies / Bachelor’s degree.
Bachelor thesis: “Abundance and diversity of beetles (*Coleoptera*) on beavers’ lodges”.
Vilnius University, Center of Ecology and Environment.
The aim of the study: the importance of specific microhabitats - beaver lodges - for the abundance and diversity of beetles (*Coleoptera*), as compared to forest habitats.

PROFESSIONAL EXPERIENCE

2018 11 – now **Senior researcher**
(from 2021 07 – laboratory of Ecotoxicology), Nature Research Centre

2019 11 – 2021 06 **Head of the laboratory of Genotoxicology**
Nature Research Centre

2016 11 – 2018 10 **Junior researcher**
Laboratory of Genotoxicology, Nature Research Centre

2014 01 – 2016 10 **Biologist**
Laboratory of Genotoxicology, Nature Research Centre

RESEARCH INTERESTS

Field of research: genetic toxicology, ecotoxicology. Investigations of the toxic, genotoxic, and cytotoxic effects of individual chemicals, chemical mixtures, biological and physical factors, or their interactions with other (a)biotic factors in various aquatic organisms (fish, molluscs, etc.) as well as in their different developmental stages and tissues, using micronucleus and other nuclear abnormalities assay, single cell gel electrophoresis (and halo-assay), and physiological methods.
Evaluation of haematological and biochemical parameters (leukogram, erythrocytes, leukocytes,

thrombocytes count, glucose concentration, haematocrit level, etc.) in aquatic organisms exposed to stressors. Planning and carrying out acute and chronic toxicity studies/tests on aquatic organisms (*in vivo*). Studies of environmental genotoxicity and cytotoxicity in various marine and freshwater ecosystems (*in situ*) using various cytogenetic techniques.

PUBLICATIONS

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

1. Jurgelėnė, Ž., Montvydienė, D., Semčuk, S., **Stankevičiūtė, M.**, Sauliūtė, G., Pažusienė, J., Morkvėnas, A., Butrimienė, R., Jokšas, K., Pakštas, V., Kazlauskienė, N., Karabanovas, V. (2022) The impact of co-treatment with graphene oxide and metal mixture on *Salmo trutta* at early development stages: The sorption capacity and potential toxicity. *Science of the Total Environment*, 838: art. no. 156525. <https://doi.org/10.1016/j.scitotenv.2022.156525>
2. Makaras, T., Razumienė, J., Gurevičienė, V., Sauliūtė, G., **Stankevičiūtė, M.** (2022) Technical suitability and reliability of an *in vivo* and non-invasive biosensor-type glucose assessment as a potential biomarker for multiple stressors in fishes: an evaluation on Salmonids. *Environmental Science and Pollution Research*, 29 (27): 41187–41206. <https://doi.org/10.1007/s11356-022-18546-y>
3. **Stankevičiūtė, M.**, Sauliūtė, G., Makaras, T., Čapukoitienė, B., Vansėvičiūtė, G., Markovskaja, S. (2022) Biomarker responses in perch (*Perca fluviatilis*) under multiple stress: Parasite co-infection and multicomponent metal mixture exposure. *Environmental Research*, 207: art. no. 112170. <https://doi.org/10.1016/j.envres.2021.112170>
4. Makaras, T., **Stankevičiūtė, M.** (2022) Swimming behaviour in two ecologically similar three-spined (*Gasterosteus aculeatus* L.) and nine-spined sticklebacks (*Pungitius pungitius* L.): a comparative approach for modelling the toxicity of metal mixtures. *Environmental Science and Pollution Research*, 29 (10): 14479–14496. <https://doi.org/10.1007/s11356-021-16783-1>
5. Jakubowska, M., Bialowas, M., **Stankevičiūtė, M.**, Chomiczewska, A., Jonko-Sobus, K., Pažusienė, J., Hallmann, A., Bučaitė, A., Urban-Malinga, B. (2022) Effects of different types of primary microplastics on early life stages of rainbow trout (*Oncorhynchus mykiss*). *Science of the Total Environment*, 808: art. no. 151909. <https://doi.org/10.1016/j.scitotenv.2021.151909>
6. Pažusienė, J., Valskienė, R., Grygiel, W., **Stankevičiūtė, M.**, Butrimavičienė, L., Baršienė, J. (2021) Cytogenetic damage in native Baltic Sea fish species: environmental risks associated with chemical munition dumping in the Gotland Basin of the Baltic Sea. *Environmental Science and Pollution Research*, 28 (44): 62200–62215. <https://doi.org/10.1007/s11356-021-14827-0>
7. Makaras, T., **Stankevičiūtė, M.**, Šidagytė-Copilas, E., Virbickas, T., Razumienė, J. (2021) Acclimation effect on fish behavioural characteristics: determination of appropriate acclimation period for different species. *Journal of Fish Biology*, 99 (2): 502–512. <https://doi.org/10.1111/jfb.14740>
8. Jurgelėnė, Ž., Stankevičius, M., **Stankevičiūtė, M.**, Kazlauskienė, N., Katauskis, P., Ivanauskas, F., Karabanovas, V., Rotomskis, R. (2021) Imaging of the internal chorion structure of rainbow trout *Oncorhynchus mykiss* live embryos and the distribution of quantum dots therein: Towards a deeper understanding of potential nanotoxicity. *Science of the Total Environment*, 785: art. no. 147302. <https://doi.org/10.1016/j.scitotenv.2021.147302>
9. **Stankevičiūtė, M.**, Makaras, T., Pažusienė, J., Čapukoitienė, B., Sauliūtė, G., Jurgelėnė, Ž., Raudonytė-Svirbutavičienė, E., Jokšas, K. (2021) Biological effects of multimetal (Ni, Cd, Pb, Cu, Cr, Zn) mixture in rainbow trout *Oncorhynchus mykiss*: Laboratory exposure and recovery study. *Ecotoxicology and Environmental Safety*, 216: art. no. 112202. <https://doi.org/10.1016/j.ecoenv.2021.112202>

10. Lastumaki, A., Turja, R., Brenner, M., Vanninen, P., Niemikoski, H., Butrimavičienė, L., **Stankevičiūtė, M.**, Lehtonen, K.K. (2020) Biological effects of dumped chemical weapons in the Baltic Sea: A multi-biomarker study using caged mussels at the Bornholm main dumping site. *Marine Environmental Research*, 161: art. no. 105036. <https://doi.org/10.1016/j.marenvres.2020.105036>
11. Jakubowska, M., Bialowas, M., **Stankevičiūtė, M.**, Chomiczewska, A., Pažusienė, J., Jonko-Sobus, K., Hallmann, A., Urban-Malinga, B. (2020) Effects of chronic exposure to microplastics of different polymer types on early life stages of sea trout *Salmo trutta*. *Science of the Total Environment*, 740: art. no. 139922. <https://doi.org/10.1016/j.scitotenv.2020.139922>
12. Turja, R., Sanni, S., **Stankevičiūtė, M.**, Butrimavičienė, L., Devier, M.H., Budzinski, H., Lehtonen, K.K. (2020) Biomarker responses and accumulation of polycyclic aromatic hydrocarbons in *Mytilus trossulus* and *Gammarus oceanicus* during exposure to crude oil. *Environmental Science and Pollution Research*, 27 (13): 15498–15514. <https://doi.org/10.1007/s11356-020-07946-7>
13. Sauliutė, G., Markuckas, A., **Stankevičiūtė, M.** (2020) Response patterns of biomarkers in omnivorous and carnivorous fish species exposed to multicomponent metal (Cd, Cr, Cu, Ni, Pb and Zn) mixture. Part III. *Ecotoxicology*, 29 (3): 258–274. <https://doi.org/10.1007/s10646-020-02170-y>
14. Makaras, T., Montvydienė, D., Kazlauskienė, N., **Stankevičiūtė, M.**, Raudonytė-Svirbutavičienė, E. (2020) Juvenile fish responses to sublethal leachate concentrations: comparison of sensitivity of different behavioral endpoints. *Environmental Science and Pollution Research*. 27 (5): 4876–4890. <https://doi.org/10.1007/s11356-019-07211-6>
15. Makaras, T., Razumienė, J., Gurevičienė, V., Šakinytė, I., **Stankevičiūtė, M.**, Kazlauskienė, N. (2020) A new approach of stress evaluation in fish using beta-D-Glucose measurement in fish holding-water. *Ecological Indicators*, 109: art. no. 105829. <https://doi.org/10.1016/j.ecolind.2019.105829>
16. Jurgelėnė, Ž., **Stankevičiūtė, M.**, Kazlauskienė, N., Baršienė, J., Jokšas, K., Markuckas, A. (2019) Toxicological potential of cadmium impact on rainbow trout (*Oncorhynchus mykiss*) in early development. *Bulletin of Environmental Contamination and Toxicology*. 103 (4): 544-550. <https://doi.org/10.1007/s00128-019-02694-y>
17. Makaras, T., Montvydienė, D., Kazlauskienė, N., **Stankevičiūtė, M.** (2019) Rapidness- and sensitivity-based comparison of behavioral and respiratory responses of European perch and rainbow trout to metal mixture exposure. *Bulletin of Environmental Contamination and Toxicology*. 103 (3): 391-399. <https://doi.org/10.1007/s00128-019-02682-2>
18. Valskienė, R., Baršienė, J., Butrimavičienė, L., Pažusienė, J., Grygiel, W., **Stankevičiūtė, M.**, Rybakovas, A. (2019) Induction of nuclear abnormalities in herring (*Clupea harengus membras*), flounder (*Platichthys flesus*), and Atlantic cod (*Gadus morhua*) collected from the southern part of the Gotland Basin the Baltic Sea (2010-2017). *Environmental Science and Pollution Research*. 26 (13): 13366-13380. <https://doi.org/10.1007/s11356-019-04687-0>
19. Butrimavičienė, L., **Stankevičiūtė, M.**, Kalcienė, V., Jokšas, K., Baršienė, J. (2019) Genotoxic, cytotoxic, and neurotoxic responses in *Anodonta cygnea* after complex metal mixture treatment. *Environmental Science and Pollution Research*. 26 (8): 7627-7639. <https://doi.org/10.1007/s11356-019-04206-1>
20. **Stankevičiūtė, M.**, Jakubowska, M., Pažusienė, J., Makaras, T., Otremba, Z., Urban-Malinga, B., Fey, D.P., Greszkiewicz, M., Sauliutė, G., Baršienė, J., Andruliewicz, E. (2019) Genotoxic and cytotoxic effects of 50 Hz 1 mT electromagnetic field on larval rainbow trout (*Oncorhynchus mykiss*), Baltic clam (*Limecola balthica*) and common ragworm (*Hediste diversicolor*). *Aquatic Toxicology*. 208 : 109-117. <https://doi.org/10.1016/j.aquatox.2018.12.023>
21. **Stankevičiūtė, M.**, Sauliutė, G., Makaras, T., Markuckas, A., Virbickas, T., Baršienė, J. (2018) Responses of biomarkers in Atlantic salmon (*Salmo salar*) following exposure to

- environmentally relevant concentrations of complex metal mixture (Zn, Cu, Ni, Cr, Pb, Cd). Part II. *Ecotoxicology*. 27 (8): 1069-1086. <https://doi.org/10.1007/s10646-018-1960-2>
22. Butrimavičienė, L., Baršienė, J., Greičiūnaitė, J., **Stankevičiūtė, M.**, Valskienė, R. (2018) Environmental genotoxicity and risk assessment in the Gulf of Riga (Baltic Sea) using fish, bivalves, and crustaceans. *Environmental Science and Pollution Research*. 25 (25): 24818-24828. <https://doi.org/10.1007/s11356-018-2516-y>
 23. Valskienė, R., Baršienė, J., Butrimavičienė, L., Grygiel, W., Stunžėnas, V., Jokšas, K., **Stankevičiūtė, M.** (2018) Environmental genotoxicity and cytotoxicity levels in herring (*Clupea harengus*), flounder (*Platichthys flesus*) and cod (*Gadus morhua*) inhabiting the Gdansk Basin of the Baltic Sea. *Marine Pollution Bulletin*. 133: 65-76. <https://doi.org/10.1016/j.marpolbul.2018.05.023>
 24. Rotomskis, R., Jurgelėnė, Ž., Stankevičius, M., **Stankevičiūtė, M.**, Kazlauskienė, N., Jokšas, K., Montvydienė, D., Kulvietis, V., Karabanovas, V. (2018) Interaction of carboxylated CdSe/ZnS quantum dots with fish embryos: Towards understanding of nanoparticles toxicity. *Science of the Total Environment*. 635: 1280-1291. <https://doi.org/10.1016/j.scitotenv.2018.04.206>
 25. **Stankevičiūtė, M.**, Sauliutė, G., Svecevičius, G., Kazlauskienė, N., Baršienė, J. (2017) Genotoxicity and cytotoxicity response to environmentally relevant complex metal mixture (Zn, Cu, Ni, Cr, Pb, Cd) accumulated in Atlantic salmon (*Salmo salar*). Part I: importance of exposure time and tissue dependence. *Ecotoxicology*. 26 (8): 1051-1064. <https://doi.org/10.1007/s10646-017-1833-0>
 26. Baršienė J., Butrimavičienė L., Grygiel W., Stunžėnas V., Valskienė R., Greičiūnaitė J., **Stankevičiūtė, M.** (2016) Environmental genotoxicity assessment along the transport routes of chemical munitions leading to the dumping areas in the Baltic Sea. *Marine Pollution Bulletin*. 103 (1-2): 45-53. <https://doi.org/10.1016/j.marpolbul.2015.12.048>
 27. **Stankevičiūtė M.**, Butrimavičienė L., Valskienė R., Greičiūnaitė J., Baršienė J., Vosyliienė M.Z., Svecevičius G. (2016) Analysis of nuclear abnormalities in erythrocytes of rainbow trout (*Oncorhynchus mykiss*) treated with Cu and Zn and after 4-, 8-, and 12-day depuration (post-treatment recovery). *Mutation Research-Genetic Toxicology and Environmental Mutagenesis*. 797: 26-35. <https://doi.org/10.1016/j.mrgentox.2016.01.003>

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

1. Sauliutė, G., **Stankevičiūtė, M.**, Svecevičius, G., Baršienė, J., Valskienė, R. 2017. Assessment of heavy metals bioconcentration factor (BCF) and genotoxicity response induced by metal mixture in *Salmo salar* tissues. *10th International Conference on Environmental Engineering*. <https://doi.org/10.3846/enviro.2017.043>

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

1. **Stankevičiūtė, M.**, Gomes, T., Campillo González, J. A. 2022. Nuclear abnormalities in mussel haemocytes and fish erythrocytes. *ICES Techniques in Marine Environmental Sciences* Vol. 66. 13 pp. <https://doi.org/10.17895/ices.pub.21220031>
2. **Stankevičiūtė, M.**, Jurgelėnė, Ž., Pažusienė, J., Valskienė, R., Sauliutė, G., Markovskaja, S. 2022. Bio-effects of saprolegniasis disease in *Salmo trutta* larvae. *Proceedings of the Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. 3756A.
3. Sauliutė, G., **Stankevičiūtė, M.**, Pažusienė, J., Makaras, T., Čapukoitienė, B., Markovskaja, S., Markuckas, A. 2022. Induction of catalase and metallothionein in salmonid fish under multiple

- stress exposure. Proceedings of the Protection and Restoration of the Environment XVI, July 5-8, 2022, Kalamata, Greece. 3757A.
4. Jurgelėnė, Ž., Montvydienė, D., Šemčuk, S., **Stankevičiūtė, M.**, Sauliutė, G., Pažusienė, J., Morkvėnas, A., Butrimienė, R., Kazlauskas, M., Kazlauskienė, N., Karabanovas, V. 2022. Acute toxicity assessment of graphene oxide nanoderivatives on *Salmo trutta* at early development stages. Proceedings of the Protection and Restoration of the Environment XVI, July 5-8, 2022, Kalamata, Greece. 3763A.
 5. Bučaitė, A., **Stankevičiūtė, M.** 2022. Genotoxicity and cytotoxicity of nanoplastics on salmonid fish. 18th international conference of young scientists on energy and natural sciences issues, Proceedings of CYSENI 2022, ISSN 2783-6339, p. 567-57. May 24-27, 2022, Kaunas, Lithuania.
 6. Vansevičiūtė, G., **Stankevičiūtė, M.**, Sauliutė, G., Makaras, T. 2021. The genotoxic impact to peripheral blood cells in *Perca fluviatilis* induced by multiple stressors. Proceedings of the 17th international conference of young scientists on energy and natural sciences issues ISSN 1822-7554, CYSENI 2021. Vilnius, Lithuania. p. 1257–1265.
 7. Sauliutė, G., **Stankevičiūtė, M.**, Makaras, T. 2019. Biomarkers responses in *Salmo salar* exposed to multicomponent metal mixtures. 16th International Conference on Environmental Science and Technology. https://cest2019.gnest.org/sites/default/files/presentation_file_list/cest2019_00106_oral_paper.pdf
 8. Pažusienė J, Valskienė R, **Stankevičiūtė M**, Butrimavičienė L, Baršienė J. 2019. Environmental genotoxicity and risk assessment in herring (*Clupea harengus*), Atlantic cod (*Gadus morhua*) and flounder (*Platichthys flesus*) caught in the Gotland Basins from the Baltic Sea (2010-2017). – *16th International Conference on Environmental Science and Technology*. 4-7 September 2019, Rhodes, Greece. https://cest2019.gnest.org/sites/default/files/presentation_file_list/cest2019_00322_oral_paper.pdf
 9. Butrimavičienė L, Kalčienė V, **Stanklevičiūtė M**, Jokšas K. 2019. Neuro-, geno- and cytotoxicity responses in mussels *Anodonta cygnea* after six metals mixture treatment. – *16th International Conference on Environmental Science and Technology*. 4-7 September 2019, Rhodes, Greece. https://cest2019.gnest.org/sites/default/files/presentation_file_list/cest2019_00089_posterf_paper.pdf
 10. **Stankevičiūtė, M.**, Sauliutė, G., Markuckas, A., Virbickas, T., Baršienė, J. 2018. Erythrocytic nuclear abnormalities, DNA damage, bioconcentration factor and hematological changes induced by metal mixture at environmentally relevant concentrations in *Rutilus rutilus*. Proceedings of the 14th International Conference on Protection and Restoration of the Environment ISBN: 978-960-99922-4-4. Thessaloniki, Greece. p. 785–794.
 11. **Stankevičiūtė, M.**, Jurgelėnė, Ž., Greiciūnaitė, J., Markovskaja, S., Kazlauskienė, N., Baršienė, J. 2018. Geno-, cytotoxicity and toxicity induced by *Saprolegnia parasitica* and cadmium alone and in combination to *Oncorhynchus mykiss*. Proceedings of the 14th International Conference on Protection and Restoration of the Environment ISBN: 978-960-99922-4-4. Thessaloniki, Greece. p. 795–804.
 12. Jurgelėnė, Ž., **Stankevičiūtė, M.**, Kazlauskienė, N., Montvydienė, D., Baršienė, J., Jokšas, K., Markuckas, A. 2018. Investigation of quantum dots toxicity, genotoxicity, cytotoxicity, and uptake in rainbow trout *Oncorhynchus mykiss* larvae. Proceedings of the 14th International Conference on Protection and Restoration of the Environment ISB N: 978-960-99922-4-4. Thessaloniki, Greece. p. 775–806
 13. Cibulskaitė, Ž., **Stankevičiūtė, M.**, Kazlauskienė, N., Baršienė, J., Kulvietis, V., Rotomskis, R. 2016. Long-term toxicity and geno-cytotoxicity of quantum dots to rainbow trout *Oncorhynchus mykiss* embryos. Proceedings of the 13th International Conference on Protection and Restoration of the Environment ISBN: 978-960-6865-94-7. Mykonos island,

Greece. p. 460–470.

https://drive.google.com/file/d/1oCelKbMOIEUSIx2cJBzLC4_TN7RrBvIJ/view

14. Kazlauskienė, N., Cibulskaitė, Ž., Stankevičiūtė, M., Baršienė, J. 2016. Experimental studies on the toxicity and genocytotoxicity effects of cadmium in embryos and larvae of rainbow trout, *Oncorhynchus mykiss*. Proceedings of the 13th International Conference on Protection and Restoration of the Environment ISBN: 978-960-6865-94-7. Mykonos island, Greece. p. 449–459. https://drive.google.com/file/d/1oCelKbMOIEUSIx2cJBzLC4_TN7RrBvIJ/view
15. Valskienė, R., Stankevičiūtė, M., Butrimavičienė, L., Greiciūnaitė, J., Svecevičius, G. 2015. Induction of nuclear abnormalities in rainbow trout (*Oncorhynchus mykiss*) after exposure to model mixture of heavy metals (Zn, Cu, Ni, Cr, Cd, Pb) at maximum permissible concentration. Proceedings of the 18th Conference for Junior Researchers “Science – Future of Lithuania” ISSN 2029-5456. Vilnius, Technika. p. 100–105

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

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| 2023-2025 | Principal investigator , Biodiversa+ BiodivProtect call on “Supporting the protection of biodiversity and ecosystems across land and sea”, project „New approaches in determining the impacts of chemical pollution to protect the biodiversity of the Baltic Sea“ (Coordinator: K. Lehtonen, Finnish Environment Institute). |
| 2022 – 2025 | Primary project implementer , researcher groups project „Assessment of risk from tire fire accidents and micro-/nano-particle-related pollution in the aquatic environment (ARFA)“. Research Council of Lithuania, project no. S-MIP-22-51 (Principal investigator: dr. Tomas Makaras). |
| 2021 – 2024 | Principal investigator , researcher groups project „Multiple stressors on threshold levels: interactive effects of parasites infestation and pollution in aquatic organisms (MULTIS)“. Research Council of Lithuania, project no. S-MIP-21-10. |
| 2020 – 2022 | Secondary project implementer , researcher groups project „Fish as a model of trophic ontogenesis in the study of nanoparticles transport through aquatic food chain in the context of climate change (FISH)“. Research Council of Lithuania, project no. S-MIP-20-22 (Principal investigator: dr. Nijolė Kazlauskienė). |
| 2021 – 2022 | Supervisor , project title: „Genotoxic and cytotoxic effects of different polymer types microplastics on salmonids“, project no. 09.3.3.-LMT-K-712-25-0048. Student: A. Bučaitė. The activity is funded under Measure 09.3.3-LMT-K-712 ‘Development of Scientific Competences of Scientists, other Researchers and Students through Practical Research Activities’ (Funding instrument – European Social Fund). |
| 2017 – 2020 | Primary project implementer , researcher groups project „Assessment of cumulative toxicity impact in the aquatic organisms induced by different types of stressors (ACTIS)“, Research Council of Lithuania, project no. S-MIP-17-10 (Principal investigator: dr. Laura Butrimavičienė). |

INTERNSHIP AND TRAINING

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| 2019 | Paraiškų rengimas ir projektų valdymas, Nr. M-548, https://www.epazymejimas.lt/raktas/49FDEF3A0C |
| 2019 | "HORIZONTAS 2020" paraiškų rengimo ir projektų valdymo principai |
| 2016 –2017 | Laboratory animal science, course. Vilnius university, Faculty of Natural Sciences. No. 375 |
| 2016 | Bendrųjų kompetencijų gebėjimų mokymai |
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2014	Web of Science duomenų bazė ir tarptautinių leidyklų reikalavimai autoriams (Code No. VP1-3.1-ŠMM-05-K-02-002)
2014	Mokslininko matomumo didinimas (Code No. VP1-3.1-ŠMM-05-K-02-002)
2014	Projektų valdymo teisiniai, finansiniai ir vadybiniai aspektai
2014	Lietuvos ir užsienio žurnalų situacija – mokslinių darbų publikavimo ir vertinimo aspektai (Code No. VP1-3.1-ŠMM-05-K-02-002)

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Valskienė, R. Pažusienė P., **Stankevičiūtė, M.**, Baršienė J. 2022. Research on Genotoxicity and Cytotoxicity: Impact of munition/weapon dumps for Native Fish Species in the Baltic Sea. International conference of "Baltwreck" European Project: Preventing massive marine waters chemical pollution from the leaking wrecks and munition/weapon dumps in the South Baltic, October 26, Gdansk, Poland.
2. **Stankevičiūtė, M.**, Jurgelėnė, Ž., Pažusienė, J., Valskienė, R., Sauliutė, G., Markovskaja, S. 2022. Bio-effects of saprolegniasis disease in *Salmo trutta* larvae. *Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. <http://www.prexvi.civil.upatras.gr/>
3. Sauliutė, G., **Stankevičiūtė, M.**, Pažusienė, J., Makaras, T., Čapukoitienė, B., Markovskaja, S., Markuckas, A. 2022. Induction of catalase and metallothionein in salmonid fish under multiple stress exposure. *Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. <http://www.prexvi.civil.upatras.gr/>
4. Jurgelėnė, Ž., Montvydienė, D., Šemčuk, S., **Stankevičiūtė, M.**, Sauliutė, G., Pažusienė, J., Morkvėnas, A., Butrimienė, R., Kazlauskas, M., Kazlauskienė, N., Karabanovas, V. 2022. Acute toxicity assessment of graphene oxide nanoderivatives on *Salmo trutta* at early development stages. – *Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. <http://www.prexvi.civil.upatras.gr/>
5. Bučaitė, A., Dešč, E., Sauliutė, G., **Stankevičiūtė, M.** 2022. Toxicity of polystyrene nanoparticles on salmonid fish. – *3rd Baltic Biophysics Conference*. October 6-7th, Saulėtekio av. 3, Vilnius, Lithuania. <https://bbc.lbfd.lt/>
6. Bučaitė, A., **Stankevičiūtė, M.** 2022. Genotoxicity and cytotoxicity of nanoplastics on salmonid fish. – *18th international conference of young scientists on energy and natural sciences issues, CYSENI*, May 24-27, Kaunas, Lithuania. https://cyseni.com/wp-content/archives/proceedings/Proceedings_of_CYSENI_2022.pdf
7. Bučaitė A., **Stankevičiūtė M.** Cytogenetic effects of exposure to microplastics on larval-stage rainbow trout (*Oncorhynchus mykiss*). – *International Conference The COINS 2022*, February 28-March 3, 2022, Vilnius, Lithuania. <https://www.thecoins.eu/>
8. Bučaitė A., **Stankevičiūtė M.**, Pažusienė J. 2021. Genotoxic and cytotoxic effects of microplastics on *Oncorhynchus mykiss*: exploratory data analysis using machine learning. – *64th International Conference for Students of Physics and Natural Sciences „Open Readings 2021“*. March 16-19, 2021. Vilnius, Lithuania. <https://www.openreadings.eu/>
9. Vansevičiūtė G., **Stankevičiūtė M.** 2021. The genotoxic impact to peripheral blood cells of *Perca fluviatilis* induced by multiple stressors. Comet assay and nuclear abnormalities analysis. – *64th International Conference for Students of Physics and Natural Sciences „Open Readings 2021“*. March 16-19, 2021. Vilnius, Lithuania. <https://www.openreadings.eu/>
10. Bučaitė A., **Stankevičiūtė M.**, Pažusienė J. 2021. Long-term genotoxic and cytotoxic effects of microplastics on larval-stage *Salmo trutta*. – *International Conference The COINS 2021*, 27th of February 2021, Vilnius, Lithuania. <https://www.thecoins.eu/>
11. Bučaitė A., **Stankevičiūtė M.** 2021. Effects of microplastics on fish: a review on genotoxicity of an anthropogenic pollutant. – *17th international conference of young*

- scientists on energy and natural sciences issues, *CYSENI 2021*. May 24-28, 2021, Vilnius, Lithuania. <https://cyseni.com>
12. Vansevičiūtė G, **Stankevičiūtė M**, Sauliūtė G, Makaras T. 2021. The genotoxic impact to peripheral blood cells in *Perca fluviatilis* induced by multiple stressors. – *17th international conference of young scientists on energy and natural sciences issues, CYSENI 2021*. May 24-28, 2021, Vilnius, Lithuania. <https://cyseni.com>
 13. Martusevičius G, Sauliūtė G, Pažusienė J, Jurgelėnė Ž, Šemčuk S, **Stankevičiūtė M**. 2021. Investigations of biological effects of graphene oxide nanostructures on brown trout (*Salmo trutta*). – *64th International Conference for Students of Physics and Natural Sciences „Open Readings 2021“*. March 16-19, 2021. Vilnius, Lithuania. https://www.openreadings.eu/wp-content/uploads/2021/03/Abstract_book_2021S.pdf
 14. Anulevičiūtė L, Sauliūtė G, Markuckas A, Jurgelėnė Ž, **Stankevičiūtė M**. 2021. Toxicological effects of tire fire effluents: catalase and metallothionein induction in rainbow trout (*Oncorhynchus mykiss*) larvae. – *64th International Conference for Students of Physics and Natural Sciences „Open Readings 2021“*. March 16-19, 2021. Vilnius, Lithuania. https://www.openreadings.eu/wp-content/uploads/2021/03/Abstract_book_2021S.pdf
 15. Sauliūtė G., Markuckas A., Čapukoitienė B., **Stankevičiūtė M**. 2020. Response patterns of biomarkers in different fish species exposed to multicomponent metal (Cd, Cr, Cu, Ni, Pb and Zn) mixture. – *63rd International Conference for Students of Physics and Natural Sciences „Open Readings“*. March 17-20, 2020. Vilnius, Lithuania. <https://www.openreadings.eu/wp-content/uploads/2020/04/knyga20N.pdf>
 16. Čapukoitienė B., Sauliūtė G., Makaras T., Markovskaja S., **Stankevičiūtė M**. 2020. Haematological responses under multiple stress exposure in perch (*Perca fluviatilis*). – *63rd International Conference for Students of Physics and Natural Sciences „Open Readings“*. March 17-20, 2020. Vilnius, Lithuania. <https://www.openreadings.eu/>
 17. Pažusienė J., Baršienė J., Valskienė R., **Stankevičiūtė M**. 2019. Research on genotoxicity impacts of CWAs on marine organisms. – *The permanent representations of the republic of Lithuania and the republic of Poland to the Organization for Prohibition of Chemical Weapons (OPCW). Side event in the framework of the 24 CWC Conference of State Parties. Sea-dumped chemical weapons: research and international co-operation – current state of play*. 26 November, 2019, The Hague, The Netherlands. <https://www.opcw.org/resources/documents/conference-states-parties/twenty-fourth-session-conference-states-parties>
 18. Sauliūtė G., **Stankevičiūtė M.**, Makaras T. 2019. Biomarkers responses in *Salmo salar* exposed to multicomponent metal mixture. – *16th International Conference on Environmental Science and Technology*. 4-7 September, 2019, Rhodes, Greece. <https://cest2019.gnest.org/>
 19. Pažusienė J, Valskienė R, **Stankevičiūtė M**, Butrimavičienė L, Baršienė J. 2019. Environmental genotoxicity and risk assessment in herring (*Clupea harengus*), Atlantic cod (*Gadus morhua*) and flounder (*Platichthys flesus*) caught in the Gotland Basins from the Baltic Sea (2010-2017). – *16th International Conference on Environmental Science and Technology*. 4-7 September 2019, Rhodes, Greece. <https://cest2019.gnest.org/>
 20. Butrimavičienė L, Kalcienė V, **Stanklevičiūtė M**, Jokšas K. 2019. Neuro-, geno- and cytotoxicity responses in mussels *Anodonta cygnea* after six metals mixture treatment. – *16th International Conference on Environmental Science and Technology*. 4-7 September 2019, Rhodes, Greece. <https://cest2019.gnest.org/>
 21. **Stankevičiūtė M**, Turja R, Butrimavičienė L, Pažusienė J, Ahvo A, Lehtonen LL, Jorgensen KS. 2019. Geno- and cytotoxic effects of crude oils on the mussel *Mytilus* spp. from the Baltic Sea. – *SETAC EUROPE 29th annual meeting*, 26-30 May 2019, Helsinki, Finland. <https://helsinki.setac.org/>

22. Stasiūnaitė E, Čapukoitienė B, Eglinskaitė R, **Stankevičiūtė M**, Makaras T, Butrimavičienė L. 2019. Haematological and biochemical indices in rainbow trout (*Oncorhynchus mykiss*) after 4, 7 and 14 days exposure with metals mixture. – *62th International Conference for Students of Physics and Natural Sciences „Open Readings 2019“*. March 19-22, 2019. Vilnius, Lithuania. <https://www.openreadings.eu/wp-content/uploads/2019/03/abstractbook19.pdf>
23. Pažusienė J, Butrinavičienė L, Baršienė J, **Stankevičiūtė M**, Valskienė R. 2019. Environmental genotoxicity and risk assessment in the gulf of Ryga (Baltic Sea) using fish, bivalves and crustaceans. – *62th International Conference for Students of Physics and Natural Sciences „Open Readings 2019“*. March 19-22, 2019. Vilnius, Lithuania. <https://www.openreadings.eu/wp-content/uploads/2019/03/abstractbook19.pdf>
24. Makaras T, Montvydienė D, Razumienė J, Gurevičienė V, Šakinytė I, **Stankevičiūtė M**, Kazlauskienė N. 2019. Behavioral and biochemical responses of rainbow trout juveniles and European perch exposed to sublethal concentrations of complex metal mixture: comparison analysis between response endpoint. – *8th young environmental scientists meeting*, 05-10 February 2019, Ghent University, Belgium. <https://cdn.ymaws.com/www.setac.org/resource/resmgr/meetings/YES-2019-abstract-book.pdf>
25. Pažusienė J, **Stankevičiūtė M**, Valskienė R, Butrimavičienė L, Baršienė J. 2019. Environmental genotoxicity and risk assessment in herring (*Clupea harengus*) caught in the Bornholm and Gotland Basins from the Baltic Sea (2009-2017). – *8th young environmental scientists meeting* 05-10 February 2019, Ghent University, Belgium. <https://cdn.ymaws.com/www.setac.org/resource/resmgr/meetings/YES-2019-abstract-book.pdf>
26. **Stankevičiūtė M**, Sauliūtė G, Markuckas M, Virbickas T, Baršienė J. 2018. Erythrocytic nuclear abnormalities, DNA damage, bioconcentration factor and haematological changes induced by metal mixture at environmentally relevant concentrations in *Rutilus rutilus*. – *Protection and Restoration of the Environment*, July 3-6, 2018, Thessaloniki, Greece. <http://pre14.civil.auth.gr/>
27. **Stankevičiūtė M**, Jurgelėnė Ž, Greiciūnaitė J, Markovskaja S, Kazlauskienė N, Baršienė J. 2018. Geno-, cytotoxicity and toxicity induced by *Saprolegnia parasitica* and cadmium alone and in combination to *Oncorhynchus mykiss*. – *Protection and Restoration of the Environment*, July 3-6, 2018, Thessaloniki, Greece. <http://pre14.civil.auth.gr/>
28. Jurgelėnė Ž, **Stankevičiūtė M**, Kazlauskienė N, Montvydienė D, Baršienė J, Jokšas K, Markuckas A. 2018. Investigation of quantum dots toxicity, genotoxicity, cytotoxicity, and uptake in rainbow trout *Oncorhynchus mykiss* larvae. – *Protection and Restoration of the Environment*, July 3-6, 2018, Thessaloniki, Greece. <http://pre14.civil.auth.gr/>
29. Jakubowska M, Urban-Malinga B, **Stankevičiūtė M**, Greiciūnaitė J, Otremba Z, Andruliewicz E. 2018. The effect of electromagnetic field on behaviour, bioenergetics, geno- and cytotoxic responses in marine polychaete *Hediste diversicolor*. – *International Conference on Aquaculture and Marine Biology*, June 25-27, 2018. Rome, Italy. <https://www.scitechnol.com/conference-abstracts-files/2324-8661-C1-011-005.pdf>
30. Sauliūtė G, **Stankevičiūtė M**, Svecevičius G, Baršienė J, Valskienė R. 2017. Assessment of heavy metals bioconcentration factor (BCF) and genotoxicity response induced by metal mixture in *Salmo salar* tissues. – *10th International Conference “Environmental Engineering”*, 27–28 April 2017, Vilnius, Lithuania.
31. Ašmenaitė G, Petkutė G, **Stankevičiūtė M**, Butrimavičienė L. 2017. Genotoxicity assessment of heavy metal model mixture in swan mussel, european perch and common roach gills. – *60th International Conference for Students of Physics and Natural Sciences „Open Readings 2017“*. March 14-17, 2017. Vilnius, Lithuania. https://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

32. Kazlauskienė N, Cibulskaitė Ž, **Stankevičiūtė M**, Baršienė J. 2016. Experimental studies on the toxicity and geno-cytotoxicity effects of cadmium in embryos and larvae of rainbow trout, *Oncorhynchus mykiss*. – *13th International Conference on Protection and Restoration of the Environment*, Mykonos island, Greece, | 3rd to 8th of July, 2016. https://drive.google.com/file/d/1oCelKbMOIEUSIx2cJBzLC4_TN7RrBvIJ/view
33. Cibulskaitė Ž, **Stankevičiūtė M**, Kazlauskienė N, Baršienė J, Kulvietis V, Rotomskis R. 2016. Long-term toxicity and geno-cytotoxicity of quantum dots to rainbow trout *Oncorhynchus mykiss* embryos. – *13th International Conference on Protection and Restoration of the Environment*, Mykonos island, Greece, | 3rd to 8th of July, 2016. https://drive.google.com/file/d/1oCelKbMOIEUSIx2cJBzLC4_TN7RrBvIJ/view
34. Valskienė R, Butrimavičienė L, **Stankevičiūtė M**, Greiciūnaitė J, Dasevičiūtė L, Baršienė J. 2016. Environmental Genotoxicity Assessment in Chemical Munitions Dumping Zones in the Southern Baltic Sea. – *The Coins 2016 - International Conference of Natural and Life Sciences*. 29th February - 3rd March 2016. Life Science Centre Saulėtekio Ave. 7. <https://www.thecoins.eu/static/resources/booksofabstracts/COINS2016.pdf>
35. Kazlauskienė N, Cibulskaitė Ž, Svecevičius G, Sauliutė G, Makaras T, Rotomskis R, Kulvietis V, Stankevičius M, Markuckas A, **Stankevičiūtė M**, Baršienė J. 2016. Nanoparticle And Heavy Metal Toxicity Mechanisms In Fish During Ontogenesis: An Interdisciplinary Project. – *The Coins 2016 - International Conference of Natural and Life Sciences*. 29th February - 3rd March 2016. Life Science Centre Saulėtekio Ave. 7. <https://www.thecoins.eu/static/resources/booksofabstracts/COINS2016.pdf>
36. Cibulskaitė Ž, **Stankevičiūtė M**, Kazlauskienė N, Baršienė J. 2016. Toxicity and Genocytotoxicity of Cadmium to Rainbow Trout (*Oncorhynchus mykiss*) in early ontogenesis. – „*Vita Scientia 2016*” international Life Science Conference. 2016, January 4 Life Science Centre Saulėtekio Ave. 7.
37. Baršienė J, Butrimavičienė L, Rybakovas A, Grygiel W, Lang T, Michailovas A, Valskienė R, **Stankevičiūtė M**, Greiciūnaitė J, Eiva P. 2014. Genotoxicity and cytotoxicity respes in fish from chemical munitions zones of the Baltic Sea. – *Fifth International Dialogue on Underwater Munitions*. May 28-29, 2014. Halifax, Nova Scotia, Canada. <https://underwatermunitions.org/wp-content/uploads/2016/08/Fifth-IDUM-May-28-2014-Final.pdf>

National scientific conferences:

1. Bučaitė A, **Stankevičiūtė M**. 2021. Globali vandens ekosistemų tarša mikroplastiku: šaltiniai ir genotoksiškumas žuvims. – *24-oji Lietuvos jaunųjų mokslininkų konferencijoje „Mokslas – Lietuvos ateitis“*. Aplinkos apsaugos inžinerija, Aplinkos apsaugos inžinerija, kovas 31– balandis 1, Vilnius, Lithuania.
2. Vansevičiūtė G, **Stankevičiūtė M**. 2021. Natūralios ir antropogeninės kilmės stresorių citotoksinis poveikis ešerio (*Perca fluviatilis*) periferinio kraujo eritrocitams. – *24-oji Lietuvos jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. Aplinkos apsaugos inžinerija, kovas 31– balandis 1, Vilnius, Lithuania.
3. Valskienė R., **Stankevičiūtė M.**, Butrimavičienė L., Greiciūnaitė J., Svecevičius G. 2015. Induction of nuclear abnormalities in rainbow trout (*Oncorhynchus mykiss*) after exposure to an model mixture of heavy metals (Zn, Cu, Ni, Cr, Cd, Pb) at maximum permissible concentration. – *18-oji Lietuvos jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*, balandžio 9 d. Vilnius, Lietuva.
4. Baršienė J., Butrimavičienė L., Michailovas A., Rybakovas A., Valskienė R., **Stankevičiūtė M.**, Eiva P., Greiciūnaitė J. 2015. Aplinkos genotoksiškumo dėsninčiai jūrinėse ekosistemose. – *Lietuvos mokslų akademijos konferencija „Šiuolaikiniai biologijos tyrimai Lietuvoje“*– jūros biologijai. Spalio 29 d., Vilnius, Lietuva.

5. Baršienė J., Butrimavičienė L., Rybakovas A., Grygiel W., Lang T., Turja R., Michailovas A., Valskienė R., **Stankevičiūtė M.**, Greiciūnaitė J., Eiva P. 2014. Aplinkos genotoksinis poveikis organizmams (Baltijos jūros CG zonose). – Lietuvos užsienio reikalų ministerijos Transatlantinio bendradarbiavimo ir saugumo politikos departamento diskusija "Baltijos jūroje paskandintas cheminis ginklas – projektai ir perspektyvos", birželio 16 d., Vilnius, Lietuva.

PARTICIPATION IN THE STUDY PROCESS

Scientific consultant:

Field of science: Natural sciences (N000), Ecology and Environmental Research (N012)

Janina Pažusienė	PhD thesis: „Environmental genotoxicity and cytotoxicity studies in fish blood erythrocytes and genotoxicity risk assessment in the Gotland Basin of the Baltic Sea“	2016-10-01 – 2020-09-30
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Supervision of bachelor and master students:

Agnė Bučaitė	Master thesis: „Genotoxic and cytotoxic effects of tire particles on rainbow trout (<i>Oncorhynchus mykiss</i>)“ (VU Life Sciences Center, Genetics)	2022–2024
Eva Kutyš	Bachelor thesis: „Studies on the pathogenicity of oomycetes to salmonids“ (VU Life Sciences Center, Microbiology)	2021–2023
Agnė Bučaitė	Bachelor thesis: „Cytogenetic effects of exposure to microplastics of different polymer types on various ontogenesis stages of salmonid fish“ (VU Life Sciences Center, Genetics)	2020–2022

OTHERS

- 2022 – 2023 OSPAR-HELCOM „Study group on developing new guidelines for the monitoring of biological effects of contaminants“ (SGEFF).
- XIX National Science festival “Spaceship Earth” 2022. Seminar "Water pollution and effect on fish". 2022 September 16. <https://www.mokslofestivalis.eu/renginys/2022/vandens-tarsa-ir-jos-poveikis-zuvims/>.
- Skirta 2019–2021 m. Lietuvos mokslų akademijos Jaunųjų mokslininkų stipendija Fizinių, biomedicinos, technologijos ir žemės ūkio mokslų srityje. <https://www.lma.lt/archyvas-2019-m>
- 2018 metų Lietuvos mokslų akademijos premija jaunųjų mokslininkų ir doktorantų mokslinių darbų konkurso nugalėtojams, Biologijos, medicinos ir geomokslų skyrius: dr. **Mildai Stankevičiūtei**, dr. Gintarei Sauliutei, dr. Živilei Jurgelėnei (Gamtos tyrimų centras) už mokslo darbą „Biological effects of multicomponent chemical stressors in fish“/ „Daugianarių cheminių stresorių biologinių efektų tyrimai žuvyse“. <https://www.lma.lt/archyvas-2019-m>
- 2018 m. parama doktorantams (už akademinį pasiekimą), Lietuvos mokslo taryba.