

# Gintarė Sauliutė

## CONTACT INFORMATION

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<https://www.researchgate.net/profile/Gintare-Sauliute>

## EDUCATION AND ACADEMIC DEGREE

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- 2013– 2018 PhD in Ecology and Environmental Science (03 B) (Biomedical Sciences) (Nature Research Centre, Vilnius University).  
Thesis “*Accumulation of heavy metals in fish, exposed to the multi-metal mixtures*”, Scientific Supervisor: Dr. G. Svecevičius, Dr. T. Virbickas.  
Field research: patterns of metal accumulation in tissues of different fish species.
- 2011 – 2013 Vilnius Gediminas Technical University, Faculty of Environmental Engineering / Master of environmental engineering.  
Thesis “*Experimental investigation of heavy metals accumulation tissues of salmon *Salmo salar* L.*”  
Field research: determination of metal accumulation in different fish tissues; analysis of metal interactions.
- 2008 – 2011 Šiauliai University, Faculty of Technology / Bachelor of Environmental and Professional Safety.  
Thesis “*The analysis of surface run-off quality in Radviliškis town*”.  
Field research: investigations of the quality of surface wastewater.

## PROFESSIONAL EXPERIENCE

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- 2018 11 – current **Researcher**  
(Institute of Ecology, Nature Research Centre, Akademijos 2, LT-08412, Vilnius)
- 2017 10 – 2018 11 **Junior researcher**  
(Institute of Ecology, Nature Research Centre, Akademijos 2, LT-08412, Vilnius)
- 2014 12 – 2017 10 **Biologist**  
(Institute of Ecology, Nature Research Centre, Akademijos 2, LT-08412, Vilnius)
- 2013 03 – 2014 05 **Environmental projects specialist**  
(UAB "Aplinkosauginės technologijos", Verkių 5, LT-08218, Vilnius)
- 2012 06 – 2013 03 **Sales group manager**  
(UAB "Vilnius Trade", Ulonų 5, LT-08240, Vilnius)
- 2007 05 – 2011 09 **Administrator**  
(SPA "ARONIJA", Gumbinės 10, LT-77166, Šiauliai)

## RESEARCH INTERESTS

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Assessment of changes in physiological and biochemical indicators caused by chemical and biological stressors in fish at various development stages; studies of fish morphological and morphometric indices, enzyme (catalase, superoxide dismutase, glutathione S-transferase) activity,

induction of metallothionein, metal accumulation in tissues of different fish species under experimental and natural conditions.

## PUBLICATIONS

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

1. Svecevičius, G., **Sauliutė, G.**, Idzelis, L.R., Grigelevičiūtė, J. **2014**. Accumulation of heavy metals in different body tissues of Atlantic Salmon, *Salmo salar* L., exposed to a model mixture (Cu, Zn, Ni, Cr, Pb, Cd) and singly to nickel, chromium, and lead. *Bulletin of Environmental Contamination and Toxicology*. 92(4): 440–445. doi:10.1007/s00128-014-1237-2.
2. **Sauliutė, G.**, Svecevičius, G. **2017**. Heavy metals (Zn, Cu, Ni, Cr, Pb, Cd) in water and body tissues of young Atlantic Salmon *Salmo salar* in two rivers of different pollution level: a comparison with fish condition parameters. *Fresenius Environmental Bulletin*. 26(1a): 666–673.
3. 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. doi:10.1007/s10646-017-1833-0.
4. 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. doi:10.1007/s10646-018-1960-2.
5. 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. doi:10.1016/j.aquatox.2018.12.023.
6. **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: 258–274. doi:10.1007/s10646-020-02170-y.
7. Stankevičiūtė, M., Makaras, T., Pažusienė, J., Čapukoitienė, B., **Sauliutė, 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: 112202. doi:10.1016/j.ecoenv.2021.112202.
8. Stankevičiūtė, M., **Sauliutė, G.**, Makaras, T., Čapukoitienė, B., G., Vansevičiūtė, S., Markovskaja. **2022**. Biomarker responses in perch (*Perca fluviatilis*) under multiple stress: Parasite co-infection and multicomponent metal mixture exposure. *Environmental Research*. 207: 112170. doi:10.1016/j.envres.2021.112170.
9. Makaras, T., Razumienė J., Gurevičienė V., **Sauliutė 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: 41187–41206. doi:10.1007/s11356-022-18546-y.
10. Jurgelėnė, Ž., Montvydienė, D., Šemčuk, S., Stankevičiūtė, M., **Sauliutė, 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(4), 1-18. doi:10.1016/j.scitotenv.2022.156525.

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

1. Svecevičius, G., Kazlauskienė, N., Kesminas, V., Staponkus, R., Taujanskis, E., **Sauliutė, G. 2014.** Heavy metal accumulation in fishes of different ecological groups from Kairiai landfill regional aquatic ecosystem. 9th International Conference on Environmental Engineering. doi: 10.3846/enviro.2014.060.

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

1. **Sauliutė, G., Svecevičius, G. 2015.** Heavy metal interactions during accumulation via direct route in fish: a review. *Zoology and Ecology*. 25 (1): 77–86. doi:10.1080/21658005.2015.1009734.

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

1. **Sauliutė, G., Tričys, V. 2011.** Paviršinių nuotekų taršos tyrimas Radviliškio mieste. *Jaunųjų mokslininkų darbai*. 3(32): 125–130.
2. Idzelis, R. L., **Sauliutė, G.,** Grigelevičiūtė, J., Svecevičius, G. **2012.** Švino bioakumuliacijos atlantinių lašišų (*Salmo salar* L.) kūno audiniuose eksperimentinis tyrimas ir lyginamoji analizė. „*Mokslas – Lietuvos ateitis/Science – Future of Lithuania*“, *Environmental Protection Engineering*. 4(5): 423–429. doi:10.3846/mla.2012.68.
3. Svecevičius, G., Kazlauskienė, N., Kesminas, V., Staponkus, R., **Sauliutė, G.,** Taujanskis, E., Slučkaitė, A., Makaras, T. **2014.** Complex study into toxic effects of heavy metals discharged from closed landfill on neighbouring aquatic ecosystem. *Journal of International Environmental Application and Science*. 9(5): 619–628.
4. **Sauliutė, G., Svecevičius, G. 2015.** Siesarties ir Vilnios upių ekotoksikologinės būklės įvertinimas pagal atlantinės lašišos (*Salmo salar* L.) jauniklių morfologinius rodiklius. „*Mokslas – Lietuvos ateitis/Science – Future of Lithuania*“, *Environmental Protection Engineering*. 7(4): 424–429.
5. **Sauliutė, G., Svecevičius, G. 2016.** Changes in morphological indexes of young atlantic salmon (*Salmo salar* L.) exposed to heavy metal (Zn, Cu, Ni, Cr, Pb, Cd) mixture: an experimental study. „*Mokslas – Lietuvos ateitis/Science – Future of Lithuania*“, *Environmental Protection Engineering*. 8(4): 411–417.
6. **Sauliutė, G., Svecevičius, G. 2016.** Assessment of landfill pollution load on hydroecosystem by use of heavy metal bioaccumulation data in fish. *World Academy of Science, International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering*. 10(1): 44–51.
7. **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*. doi: <https://doi.org/10.3846/enviro.2017.043>.
8. 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.

9. **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*. CEST2019\_00106.
10. 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.
11. **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. 3757A.
12. 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. 3763A.
13. 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. 3756A.

## **PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS**

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2022 – 2025	<b>Secondary project implementers</b> “ <i>Assessment of risk from the fire accidents and micro-/nano-particle-related pollution in the aquatic environment</i> “. Supported by Research Council of Lithuania, Project No Nr. S-MIP-22-51 (ARFA) (Project leader: Dr. Tomas Makaras).
2021 – 2024	<b>Primary project implementers</b> “ <i>The impact of the interaction between parasites and pollution on aquatic organisms</i> “ Supported by Research Council of Lithuania, Project No S-MIP-21-10 (MULTIS) (Project leader: Dr. Milda Stankevičiūtė).
2020 – 2022	<b>Secondary project implementers</b> “ <i>Fish as a model of trophic ontogenesis in the study of nanoparticles transport through aquatic food chain in the context of climate change</i> “. Supported by Research Council of Lithuania, Project No S-MIP-20-22 (FISH) (Project leader: Dr. Nijolė Kazlauskienė).
2017 – 2020	<b>Primary project implementers</b> “ <i>Assessment of toxicity of different stressor types to aquatic organisms</i> “. Supported by Research Council of Lithuania, Project No S-MIP-17-10 (ACTIS) (Project leader: Dr. Laura Butrimavičienė).
2015 – 2018	<b>Primary project implementers</b> “ <i>Nanoparticle and heavy metal toxicity mechanisms in fish during ontogenesis</i> “. Supported by Research Council of Lithuania, Project No MIP-108/2015 (NanoTox) (Project leader: Dr. Nijolė Kazlauskienė).

## **INTERNSHIP AND TRAINING**

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2019 09	“Lietuvos mokslų akademijos jaunujų mokslininkų stipendijų konkurso sisteminiai mokymai“ (8 akad. val.).
2019 05	“Paraiškų rengimas ir projektų valdymas” (5 akad. val.). Certificate (No M-592).
2019 03	“HORIZONTAS 2020” paraiškų rengimas ir projektų valdymo principai. Certificate (No 2019-03-27-08).
2019 02	“Jaunujų mokslininkų ir doktorantų mokslinių darbų konkurso sisteminiai

	mokymai” (8 akad. val.).
2016 09 – 2017 01	“LABORATORY ANIMAL SCIENCE”. University, Faculty of Nature Sciences. Course (Nr. 375).
2016	“Bendrujų kompetencijų gebėjimų mokymai“. Certificate (No VU-MID-2016-103).
2014	“Mokslininko matomumo didinimas“. Certificate (VP1-3.1-ŠMM-05-K-02-002).
2014	“Lietuvos ir užsienio žurnalų situacija – mokslinių darbų publikavimo ir vertinimo aspektai“. Certificate (VP1-3.1-ŠMM-05-K-02-002).

## **PARTICIPATION IN SCIENTIFIC CONFERENCES**

### ***International scientific conferences:***

1. Svecevičius, G., Kazlauskienė, N., Kesminas, V., Staponkus, R., Taujanskis, E., **Sauliutė, S.** **2014.** Heavy metal accumulation in fishes of different ecological groups from Kairiai landfill regional aquatic ecosystem. *9th International Conference on Environmental Engineering*. May 22-23, 2014 Vilnius, Lithuania.
2. **Sauliutė, G.**, Svecevičius, G. **2016.** Assessment of landfill pollution load on hydroecosystem by use of heavy metal bioaccumulation data in fish. *ICEEB 2016: 18th International Conference on Ecology and Environmental Biology*. January 18-19, 2016, London, United Kingdom.
3. **Sauliutė, G.**, Svecevičius, G. **2016.** Heavy metal accumulation patterns in the body tissues of ecologically different fish species. *The Coins '16 – 11th international conference of natural and life sciences*. 29 February – 3 March 2016, Vilnius, Lithuania. <https://www.thecoins.eu/>
4. 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 '16 – 11th international conference of natural and life sciences*. 29 February – 3 March 2016, Vilnius, Lithuania. <https://www.thecoins.eu/>
5. **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*. 27–28 April 2017, Vilnius, Lithuania.
6. 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*. *14th International Conference on Protection and Restoration of the Environment XIV*. 3–6 July 2018, Thessaloniki, Greece. <http://pre14.civil.auth.gr/>
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*. Rhodes, Greece, 4-7 September 2019. <https://cest2019.gnest.org/>
8. **Sauliutė, 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 Scientific Conference for Students of Physics and Natural Sciences OPEN READINGS'20*. Vilnius, Lithuania, 17-20 March 2020. <https://www.openreadings.eu/>
9. Čapukoitienė, B., **Sauliutė, G.**, Makaras, T., Markovskaja, S., Stankevičiūtė, M. **2020.** Haematological responses under multiple stress exposure in perch (*Perca fluviatilis*). *63rd Scientific Conference for Students of Physics and Natural Sciences OPEN READINGS'20*. Vilnius, Lithuania, 17-20 March 2020. <https://www.openreadings.eu/>
10. Pažusienė, J., Valskienė, R., Grygielb, W., Stankevičiūtė, M., Butrimavičienė, L., **Sauliutė, G.**, Čapukoitienė, B., Baršienė, J. **2020.** Induction of nuclear abnormalities in flounder (*Platichthys flesus*), herring (*Clupea harengus membras*) and Atlantic cod (*Gadus Morua callarias*)

- collected from the Gotland Basin of the Baltic Sea (2011–2017). *15th International conference COINS 2020*. Vilnius, Lithuania, February 25-27th. <https://www.thecoins.eu/>
11. Martusevičius, G., **Sauliutė, 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*. Vilnius, Lithuania, March 16-19 th. <https://www.openreadings.eu/>
  12. Anulevičiūtė, L., **Sauliutė, 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*. Vilnius, Lithuania, March 16-19 th. <https://www.openreadings.eu/>
  13. Vansevičiūtė, G., Stankevičiūtė, M., **Sauliutė, 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*, Vilnius, Lithuania.
  14. Makaras, T., Razumienė, J., Gurevičienė, V., **Sauliutė, G.**, Stankevičiūtė, M. **2021**. Glucose Measurement in Response to Environmental and Physiological Challenges: Towards a Non-Invasive Approach to Study Stress in Fishes. *International Conference on Aquaculture and Fisheries Technology ICAFT* on November 11-12, 2021, in Tokyo, Japan.
  15. Dešč, E., **Sauliutė, G.**, Markuckas, A. **2022**. Toxicity evaluation of polystyrene nanoplastics in salmonid embryos. *65th international conference for students of physics and natural sciences. Open Readings 2022*. March 15-18, Vilnius, Lithuania. <https://www.openreadings.eu/>
  16. Dešč, E., **Sauliutė, G.**, Markuckas, A. **2022**. Evaluation of metallothionein level in *Oncorhynchus mykiss* embryos after exposure to polystyrene nanoplastics. *International Conference of Life Sciences. The Coins 2022*. February 28th — March 3<sup>rd</sup> Vilnius, Lithuania. <https://www.thecoins.eu/>
  17. **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/>
  18. 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/>
  19. 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/>
  20. Bučaitė, A., Dešč, E., **Sauliutė, G.**, Stankevičiūtė, M. **2022**. Toxicity of polystyrene nanoparticles on salmonid fish. *3rd Baltic Biophysics Conference*. 2022 October 6-7th Center for Physical Sciences and Technology. Saulėtekio av. 3, Vilnius, Lithuania. <https://bbc.lbfd.lt/>

#### **National scientific conferences:**

1. **Sauliutė, G.**, Eivienė, R., Tričys, V. **2011**. Kritulių taršos tyrimas Šiaulių mieste. Aplinkos apsaugos inžinerija. *6-oji Lietuvos jaunujų mokslininkų konferencija „Studentų moksliniai darbai“*. Šiauliai.
2. **Sauliutė, G.**, Grigelevičiūtė, J., Idzelis, R. L., Svecevičius, G. **2012**. Švino bioakumuliacijos atlantinių lašišų (*Salmo salar* L.) kūno audiniuose eksperimentinis tyrimas ir lyginamoji analizė. *15-oji jaunujų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. 2012 m. balandžio 12 d. Vilnius.



3. **Sauliutė, G.**, Idzelis, R. L., Svecevičius, G. **2013.** Sunkiųjų metalų bioakumuliacia lašišų (*Salmo salar* L.) audiniuose, veikiant modeliniu mišiniu (Cu, Zn, Ni, Cr, Pb, Cd). *16-oji jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. 2013 m. balandžio 11 d. Vilnius.
4. **Sauliutė, G.**, Svecevičius, G. **2014.** Sunkiųjų metalų biokoncentracijos potencialo atlantinės lašišos (*Salmo salar* L.) kūno audiniuose įvertinimas veikiant modeliniu mišiniu ir atskirais metalais. *17-oji Lietuvos jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. 2014 m. balandžio 11 d. Vilnius.
5. **Sauliutė, G.**, Svecevičius, G. **2015.** Siesarties ir Vilnios upių ekotoksikoginės būklės įvertinimas pagal atlantinės lašišos (*Salmo salar* L.) jauniklių morfologinius rodiklius. *18-oji Lietuvos jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. 2015 m. balandžio 9 d. Vilnius.
6. **Sauliutė, G.**, Svecevičius, G. **2016.** Atlantinių lašišų (*Salmo salar* L.) jauniklių morfologinių rodiklių pokyčiai veikiant sunkiųjų metalų (Zn, Cu, Ni, Cr, Pb, Cd) mišiniu: eksperimentinis tyrimas. *19-oji Lietuvos jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“*. 2016 m. balandžio 7 d. Vilnius.
7. **Sauliutė, G.** **2017.** Sunkiųjų metalų kaupimosi žuvų kūno audiniuose dėsningumai, veikiant daugianariais metalų mišiniais. *Jaunųjų mokslininkų konferencija BIOATEITIS: gamtos ir gyvybės mokslų perspektyvos*. 2017 m. gruodžio 7 d. Vilnius.

## **PARTICIPATION IN THE STUDY PROCESS**

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### ***Supervision of bachelor and master students:***

Mindaugas Čekanauskas	Bachelor thesis: „Evaluation of oxidative stress biomarkers in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after exposure to chemical stressors“. (VU, GMC, studies programme – Biochemistry).	2019–2020
Gytis Martusevičius	Bachelor thesis: „Investigations of biological effects of graphene oxide nanostructures on brown trout ( <i>Salmo trutta</i> )“. (VU, GMC, studies programme – Molecular Biology).	2020–2021
Lina Anulevičiūtė	Bachelor thesis: „Toxicological effects of tire fire effluents: catalase and metallothionein induction in rainbow trout ( <i>Oncorhynchus mykiss</i> ) larvae“. (VU, GMC, studies programme – Biochemistry).	2020–2021
Emilija Dešč	Bachelor thesis: „Toxicity evaluation of polystyrene nanoplastics in salmonid fish embryos“. (VU, GMC, studies programme – Molecular Biology).	2021–2022

## **OTHERS**

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1. Eksperimentinio tyrimo rezultatai pristatyti visuomenei Žinių radijo transliuojamoje laidoje „Atsakingas už gamtą“. 2013. (garso įrašas patalpintas svetainėje: <http://www.ziniuradijas.lt/epizodas/2013/10/21/atsakingas-uz-gamta/24727>).
2. Gamtos tyrimo centro Žuvų ekologijos laboratorijos veiklos pristatymas. 2017 m. Paskaita skaityta Gyvybės mokslų centro III kurso Ekologijos studijų krypties bakalauro studentams.
3. XIX Mokslo festivalis ERDVĖLAIVIS ŽEMĖ 2022. Nuotolinis seminaras „Vandens tarša ir jos poveikis žuvims“. Tiesioginė transliacija 2022 m. rugsėjo 16 d. <https://www.mokslofestivalis.eu/renginys/2022/vandens-tarsa-ir-jos-poveikis-zuvims/>.
4. Young scientists and doctoral students research award – The Lithuanian Academy of Sciences The scientific work 2018 "*Biological effects of multicomponent chemical stressors in fish*"

together with co-authors Dr. Milda Stankevičiūtė and Dr. Živilė Jurgelėnė.  
<https://www.lma.lt/archyvas-2019-m>