

CURRICULUM VITAE



SYLWIA ŚLIWISKA-WILCZEWSKA

PERSONAL DATA

Address University of Gdańsk, Institute of Oceanography, Al. M. Piłsudskiego 46, 81-378 Gdynia
Phone number (+48) 537 120 749, (058) 523 68 92
E-mail address ocessl@ug.edu.pl
Date of birth 11.09.1985
ORCID iD <https://orcid.org/0000-0002-3147-6605>
Web of Science ResearcherID AAJ-5695-2020

EDUCATION

Qualifications **Ph.D**
Date 04.12.2015
Specialization Earth Sciences
Institution University of Gdańsk, Institute of Oceanography, Faculty of Oceanography and Geography

Qualifications **MSc**
Date 29.06.2009
Specialization Marine biology
Institution University of Gdańsk, Institute of Oceanography, Faculty of Oceanography and Geography

Qualifications **GIS Analyst**
Date 30.09.2017
Specialization Postgraduate Studies - GIS Geographic Information System
Institution University of Gdańsk, Institute of Oceanography, Faculty of Oceanography and Geography

Qualifications **IT profession**
Date 01.07.2013
Specialization Network administrator
Institution Regional Examination Board in Gdańsk, IT profession No T/10103519/13

Qualifications **Academic Tutor**
Date 01.10.2013
Specialization Tutoring
Institution Collegium Wratislaviense

Qualifications **Laboratory Auditor, ISO 17025:2005**
Date 04.03.2012
Specialization Quality control
Institution Gdansk University of Technology, Faculty of Chemistry.

ACADEMIC AND RESEARCH CAREER

1. 01.09.2012-31.08.2013 – specialist, University of Gdańsk, Institute of Oceanography.
2. 01.10.2013-30.09.2015 – research assistant, University of Gdańsk, Institute of Oceanography.
3. 04.12.2015-31.01.2016 – research assistant, University of Gdańsk, Institute of Oceanography.
4. 01.02.2016-present – lecturer, University of Gdańsk, Institute of Oceanography.

SCIENTIFIC ACHIEVEMENTS

PUBLICATION – JOURNAL CITATION REPORTS (JCR)

1. Jodłowska S., **Śliwińska S.** 2014. Effects of light intensity and temperature on the photosynthesis irradiance response curves and chlorophyll fluorescence of three picocyanobacterial strains of *Synechococcus* (Cyanobacteria, Synechococcales). *Photosynthetica* 52, 223–232. DOI: 10.1007/s11099-014-0024-y. IF=1,409.
2. **Śliwińska-Wilczewska S.**, Pniewski F., Latała A. 2016. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. under varied light, temperature and salinity conditions. *International Review of Hydrobiology* 101, 69–77. DOI: 10.1016/j.ecohyd.2017.05.001. IF = 1.459.
3. **Śliwińska-Wilczewska S.**, Pniewski F., Latała A. 2016. Allelopathic interactions between *Synechococcus* sp. and *Nodularia spumigena* under different light conditions. *Allelopathy Journal* 37(2), 241–252. IF = 1.050.
4. Urbański J.A., Wochna A., Bubak I., Grzybowski W., Łukawska-Matuszewska K., Łącka M., **Śliwińska S.**, Wojtasiewicz B., Zajączkowski M. 2016. Application of Landsat 8 imagery to regional-scale assessment of lake water quality. *International Journal of Applied Earth Observation and Geoinformation* 51, 28–36. DOI: 10.1016/j.jag.2016.04.004. IF = 3.930 (5-Year IF = 4.359).
5. **Śliwińska-Wilczewska S.**, Maculewicz J., Barreiro Felpeto A., Vasconcelos V., Latała A. 2017. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on filamentous cyanobacteria. *Journal of Experimental Marine Biology and Ecology* 496, 16–21. DOI: 10.1016/j.jembe.2017.07.008. IF = 1.937 (5-Year IF = 2.310).
6. Lewandowska A.U., **Śliwińska-Wilczewska S.**, Woźniczka D. 2017. Identification of cyanobacteria and microalgae in aerosols of various sizes in the air over the Southern Baltic Sea. *Marine Pollution Bulletin* 125, 30–38. DOI: 10.1016/j.marpolbul.2017.07.064, IF = 3.146 (5-Year IF = 3.780).
7. **Śliwińska-Wilczewska S.**, Maculewicz J., Tuszer J., Dobosz K., Kalusa D., Latała A. 2017. First record of allelopathic activity of the picocyanobacterium *Synechococcus* sp. on a natural plankton community. *Ecohydrology & Hydrobiology* 17, 227–234. DOI: 10.1016/j.ecohyd.2017.05.001. IF = 1.661.
8. **Śliwińska-Wilczewska S.**, Maculewicz J., Barreiro Felpeto A., Latała A. 2018. Allelopathic and bloom-forming picocyanobacteria in a changing world. *Toxins* 10, 48; doi:10.3390/toxins10010048. IF = 3.030 (5-Year IF = 3.450).
9. Barreiro Felpeto A., **Śliwińska-Wilczewska S.**, Złoch I., Vasconcelos V. 2018. Light-dependent cytolysis in the allelopathic interaction between picoplanktic and filamentous cyanobacteria. *Journal of Plankton Research* 40(2), 165–177. DOI: 10.1093/plankt/fby004. IF = 1.983 (5-Year IF = 2.194).
10. **Śliwińska-Wilczewska S.**, Barreiro Felpeto A., Maculewicz J., Sobczyk A., Vasconcelos V., Latała A. 2018. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on unicellular eukaryote planktonic microalgae. *Marine and Freshwater Research* 69(9), 1472–1479. DOI: 10.1071/MF18024. IF = 1.757.
11. Możdżeń K., Zagata-Leśnicka P., Burnecki T., **Śliwińska-Wilczewska S.**, Skoczowski A., Greczek-Stachura M. 2018. The photosynthetic efficiency of endosymbiotic algae of *Paramecium bursaria* originating from locations with cold and warm climates. *Oceanological and Hydrobiological Studies* 47, 202–210. DOI: 10.1515/ohs-2018-0019. IF = 0.544 (5-Year IF = 0.778).
12. **Śliwińska-Wilczewska S.**, Latała A. 2018. Allelopathic activity of the bloom-forming picocyanobacterium *Synechococcus* sp. on the coexisting microalgae: the role of eutrophication. *International Review of Hydrobiology* 103(3-4), 37–47. DOI: 10.1002/iroh.201801940. IF = 2.281.
13. **Śliwińska-Wilczewska S.**, Cieszyńska A., Maculewicz J., Latała A. 2018. Ecophysiological characteristics of red, green and brown strains of the Baltic picocyanobacterium *Synechococcus* sp. – a laboratory study. *Biogeosciences* 15, 6257–6276. DOI: 10.5194/bg-15-6257-2018. IF = 3.441 (5-Year IF = 4.373).
14. Złoch I., **Śliwińska-Wilczewska S.**, Kucharska M., Kozłowska W. 2018. Allelopathic effects of *Chara* species (*C. aspera*, *C. baltica*, and *C. canescens*) on the bloom-forming picocyanobacterium *Synechococcus* sp. *Environmental Science and Pollution Research* 25(36), 36403–36411. DOI: 10.1007/s11356-018-3579-5. IF = 2.741.
15. **Śliwińska-Wilczewska S.**, Cieszyńska A., Konik M., Maculewicz J., Latała A. 2019. Environmental drivers of bloom-forming cyanobacteria in the Baltic Sea: effects of salinity, temperature, and irradiance. *Estuarine, Coastal and Shelf Science* 219, 139–150. DOI: doi.org/10.1016/j.ecss.2019.01.016. IF = 2.413 (5-Year IF = 2.732).

16. Barreiro Felpeto A., **Śliwińska-Wilczewska S.**, Klin M., Konarzewska Z., Vasconcelos V. 2019. Temperature-dependent impacts of allelopathy on growth, pigment and lipid content between a sub-polar strain of *Synechocystis* sp. CCBA MA-01 and coexisting microalgae. *Hydrobiologia* 835, 117–128. DOI: <https://doi.org/10.1007/s10750-019-3933-8>. IF = 2.165.
17. Wiśniewska K., Lewandowska A.U., **Śliwińska-Wilczewska S.** 2019. The importance of cyanobacteria and microalgae present in aerosols to human health and the environment – Review study. *Environment International* 131, 104964. DOI: 10.1016/j.envint.2019.104964. IF = 7.297 (5-Year IF = 7.721).
18. **Śliwińska-Wilczewska S.**, Barreiro Felpeto A., Możdżeń K., Vasconcelos V., Latała A. 2019. Physiological effects on coexisting microalgae of the allelochemicals produced by the bloom-forming cyanobacteria *Synechococcus* sp. and *Nodularia spumigena*. *Toxins* 11, 712. DOI: 10.3390/toxins11120712. ISSN 2072-6651, IF = 3.895 (5-Year IF = 4.009).
19. Konarzewska Z., **Śliwińska-Wilczewska S.**, Barreiro Felpeto A., Vasconcelos V., Latała A. 2020. Assessment of allelochemical activity and biochemical profile of different phenotypes of picocyanobacteria from the genus *Synechococcus*. *Marine Drugs* 18, 179. DOI:10.3390/md18040179. ISSN 1660-3397, IF = 3.772 (5-Year IF = 4.446).
20. Bubak I., **Śliwińska-Wilczewska S.**, Głowacka P., Szczerba A., Możdżeń K. 2020. The importance of allelopathic picocyanobacterium *Synechococcus* sp. on the abundance, biomass formation, and structure of phytoplankton assemblages in three freshwater lakes. *Toxins* 12, 259. DOI:10.3390/toxins12040259. ISSN 2072-6651, IF = 3.895 (5-Year IF = 4.009).
21. **Śliwińska-Wilczewska S.**, Konarzewska Z., Wiśniewska K., Konik M. 2020. Photosynthetic pigments changes of three phenotypes of picocyanobacteria *Synechococcus* sp. under different light and temperature conditions. *Cells* 9, 2030. DOI:10.3390/cells9092030. ISSN 2073-4409, IF = 4.366; 5-Year IF = 5.276, 140 pkt.
22. Wiśniewska K.A., **Śliwińska-Wilczewska S.**, Lewandowska A.U. 2020 The first characterization of airborne cyanobacteria and microalgae in the Adriatic Sea region. *PLoS ONE* 15(9): e0238808. DOI: 10.1371/journal.pone.0238808. ISSN 1932-6203, IF = 2.776, 100 pkt.
23. **Śliwińska-Wilczewska S.**, Budzałek G., Kowalska Z., Klin M., Latała A. 2020. Baltic macroalgae as a potential source for commercial applications – review. In: Barabasz-Krasny B. (Ed.), *Annales Universitatis Paedagogicae Cracoviensis Studia Naturae* 5: 220–237. DOI: 10.24917/25438832.5.14. ISSN 2543-8832.
24. **Śliwińska-Wilczewska S.** 2020. Rozmieszczenie biomasy fitoplanktonu w strefie przybrzeżnej, w: *Zaawansowane metody interdyscyplinarnych badań Morza Bałtyckiego: skrypt do zajęć dla studentów studiów magisterskich na kierunku Oceanografia: praca zbiorowa / Szymczak Ewa (red.)*, ISBN 978-83-945891-2-7, ss. 77–83.
25. Wiśniewska K., **Śliwińska-Wilczewska S.**, Lewandowska A., Konik M. 2021. The effect of abiotic factors on abundance and photosynthetic performance of airborne cyanobacteria and microalgae isolated from the southern Baltic Sea region. *Cells* 10(1), 103. DOI: 10.3390/cells10010103. ISSN 2073-4409, IF = 4.366; 5-Year IF = 5.276.
26. **Śliwińska-Wilczewska S.**, Wiśniewska K., Konarzewska Z., Cieszyńska A., Barreiro Felpeto A., Lewandowska A.U., Latała A. 2021. The current state of knowledge on taxonomy, modulating factors, ecological roles, and mode of action of phytoplankton allelochemicals. *Science of the Total Environment* 773, 145681. DOI: 10.1016/j.scitotenv.2021.145681. ISSN: 0048-9697. IF = 6.551; 5-Year IF = 6.419.

PUBLICATION – MONOGRAPHS AND CHAPTERS IN BOOKS

1. Jodłowska S., **Śliwińska S.**, Latała A. 2010. The influence of irradiance on the growth and photosynthetic pigments of three Baltic picocyanobacterial strains of *Synechococcus*. In: K. Olańczuk-Neyman, H. Mazur-Marzec (eds.). *Microorganisms in the environment and environmental engineering from ecology to technology*, Printing House Perfecta, Lublin: 85-92, ISBN 978-83-89293-88-6.
2. **Śliwińska S.**, Jodłowska S., Latała A. 2011. Ecophysiological and allelopathic properties of picocyanobacteria *Synechococcus* sp. [in Polish]. *Acta Geographica Silesiana* 1, 63-66, ISSN 1897-5100.
3. **Śliwińska S.**, Latała A. 2012. To present the research on the phenomenon of cyanobacteria and microalgae allelopathy [in Polish]. In: Kuczera M. (Ed.). *New trends in natural sciences 2*, Creativetime, Creative Science, Cracow, 146-153, ISBN 978-83-63058-17-3.
4. **Śliwińska S.**, Latała A. 2012. The phenomenon of the influence of allelopathic cyanobacteria and microalgae in the aquatic environment [in Polish]. In: Kuczera M. (Ed.). *Young scientists for Polish science*, Creativetime, Cracow, 152-160, ISBN 978-83-63058-14-2.
5. **Śliwińska S.**, Latała A. 2012. Allelopathic effects of cyanobacterial filtrates on Baltic diatoms. *Contemporary Trends in Geoscience* 1, 103-107, ISSN 2084-5707, DOI: 10.2478/ctg-2012-0016.
6. Dopierała Ł., **Śliwińska S.**, Latała A. 2012. The effect of algae mass blooms on tourist traffic in the eastern part of the Polish Baltic coast [in Polish]. In: Grochowicz J. (Ed.). *Opportunities and barriers to the development of domestic and foreign tourism*, Scientific Papers of the European University of Sopot, 277-291, ISBN 97883925512-4-9.
7. **Śliwińska S.**, Mazurkiewicz M., Dopierała Ł., Kacprzak P., Korneluk M., Wawrzynek J., Rzymkowska H., Latała A. 2013. The influence of allelopathic effects of Baltic cyanobacteria on the survival of *Neomysis integer* [in Polish]. In:

- Pilarski M., Wiskulski T. (Eds.). Contemporary issues, problems and challenges in the research of geographical space, University of Gdansk Publishing House, 17-26, ISBN 978-83-7865-071-3.
8. Dopierała Ł., **Śliwińska S.**, Latała A. 2013. The effects of Harmful Algal Blooms (HABs) on tourism and recreation in the east part of the Polish Baltic Sea coast. In: Meyer B. (Ed.). Economic Tourism Problems, Scientific Papers of the University of Szczecin no 782, 53-63, ISSN 1640-6818.
 9. **Śliwińska S.**, Parusel T., Latała A. 2013. Human impact on the allelopathic effects of cyanobacteria and microalgae in the Baltic Sea - a review. Acta Geographica Silesiana 13: 87-92, ISSN 1897-5100.
 10. **Śliwińska S.**, Latała A. 2014. Effect of light intensity on the allelopathic interaction of selected species of Baltic cyanobacteria [in Polish]. In: Górska A., Ślachciak D., Szałajda T. (Eds.). Scientific monograph "Science has many names", Volume I, University Publications of the University of Technology and Life Sciences in Bydgoszcz, 145-156, ISBN 978-83-64235-22-1.
 11. **Śliwińska S.**, Latała A. 2014. The effect of selected environmental factors on the allelopathic activity of cyanobacteria *Synechococcus* sp. [in Polish]. In: Kuczera M., Piech K. (Eds.). Achievements of Young Scientists, Creativetime 5: 222-227, ISSN 2300-4436.
 12. **Śliwińska S.**, Gergella K., Jasińska A., Bolałek J., Latała A. 2014. Allelopathic effects of the picocyanobacteria *Synechococcus* sp. on the diatom *Skeletonema marinoi*. In: Kuczera M., Piech K. (Eds.). Achievements of Young Scientists, Creativetime 5: 228-233, ISSN 2300-4436.
 13. **Śliwińska S.**, Latała A. 2015. The effect of the availability of nutrients on allelopathic effects of Baltic cyanobacteria [in Polish]. In: Woźniak M., Pilarz Ł.B., Drewniak M. (Eds.). Polish doctors and PhD students in the development of world scientific thought - Innovation and interdisciplinarity in natural sciences, NETWORK SOLUTION, Słupsk, 220-230, ISBN: 978-83-63216-02-3.
 14. **Śliwińska S.**, Skauradszun M., Niemiryż E., Latała A. 2014. The production and release of allelopathic compounds by Baltic cyanobacteria. Ecology and Safety 8: 583-589, ISSN 1314-7234.
 15. **Śliwińska S.**, Latała A. 2015. The influence of biotic factors on the allelopathic effect of cyanobacteria and microalgae in aquatic ecosystems [in Polish]. In: Kuczera M., Piech K. (Eds.). Issues currently being addressed by young scientists, Creativetime, 80-85, ISBN: 978-83-63058-50-0.
 16. **Śliwińska S.**, Latała A. 2015. The influence of nutrients on the allelopathic effect of the Baltic cyanobacteria *Nodularia spumigena* [in Polish]. In: Kuczera M., Piech K. (Eds.). Issues currently being addressed by young scientists, Creativetime, 86-91, ISBN: 978-83-63058-50-0.
 17. **Śliwińska-Wilczewska S.**, Maculewicz J., Sobczyk A., Latała A. 2016. The influence of allelopathic effects of *Synechococcus* sp. on selected species of cyanobacteria [in Polish]. In: Kuczera M., Piech K. (Eds.). Issues currently being addressed by young scientists 8, 52-57. ISBN 978-83-63058-62-3.
 18. **Śliwińska-Wilczewska S.**, Sobczyk A., Maculewicz J., Latała A. 2016. Determination of allelopathic effects occurring between *Synechococcus* sp. and selected species of Baltic microalgae. In: Kuczera M., Piech K. (red.). Issues currently being addressed by young scientists 8, 58-63. ISBN 978-83-63058-62-3.
 19. **Śliwińska-Wilczewska S.**, Gergella K., Latała A. 2016. Allelopathic activity of the *Synechococcus* sp. (Cyanobacteria, Chroococcales) on selected cyanobacteria species. In: Barabasz-Krasny B. (Ed.), Annales Universitatis Paedagogicae Cracoviensis Studia Naturae 1, 115-126, ISSN 2543-8832.
 20. **Śliwińska-Wilczewska S.**, Sylwestrzak Z., Maculewicz J., Zgrundo A., Pniewski F., Latała A. 2016. The effects of allelochemicals and selected anthropogenic substances on the diatom *Bacillaria paxillifera*. Edukacja Biologiczna i Środowiskowa 1(58), 21-27, ISSN 1643-8779.
 21. **Śliwińska-Wilczewska S.**, Maculewicz J., Latała A. 2016. Allelopathic effects of *Synechococcus* sp. on selected cyanobacteria. Edukacja Biologiczna i Środowiskowa 3(60), 11-18, ISSN 1643-8779.
 22. Tuszer J., Dobosz K, Kulasa D., **Śliwińska-Wilczewska S.** 2017. Allelopathic activity of cyanobacteria *Synechococcus* sp. and its effect on natural phytoplankton community [in Polish]. Tutoring Gedanensis 2(1), 15-22. ISSN 2451-1862.
 23. Cieszyńska A., **Śliwińska-Wilczewska S.**, Maculewicz J. 2017. Influence of Baltic POCOCANOBACTERIA cells on the pH value of the marine center in which they live [in Polish]. In: Nyckowiak J., Leśny J., (Eds.). Research and Development of Young Scientists in Poland. Natural Sciences, pp. 7-16. ISBN 978-83-65677-19-8.
 24. Cieszyńska A., **Śliwińska-Wilczewska S.**, Maculewicz J. 2017. Number and growth rate of the Baltic picocyanobacteria as a function of environmental conditions [in Polish]. In: Nyckowiak J., Leśny J., (Eds.). Research and Development of Young Scientists in Poland. Natural Sciences, pp. 17-25. ISBN 978-83-65677-19-8.
 25. Konarzewska Z., **Śliwińska-Wilczewska S.**, Latała A. 2017. Allelopathic effect of the Baltic picocyanobacterium *Synechococcus* sp. on selected diatoms. In: Barabasz-Krasny B. (Ed.), Annales Universitatis Paedagogicae Cracoviensis Studia Naturae 2, 114-123, DOI: 10.24917/25438832.2.9. ISSN 2543-8832.
 26. **Śliwińska-Wilczewska S.**, Knitter A., Cisko D., Latała A. 2017. Allelopathic activity of the Baltic picocyanobacterium *Synechocystis* sp. In: Barabasz-Krasny B. (Ed.), Annales Universitatis Paedagogicae Cracoviensis Studia Naturae 2, 124-134, DOI: 10.24917/25438832.2.10. ISSN 2543-8832.
 27. **Śliwińska-Wilczewska S.**, Cieszyńska A., Latała A. 2017. The impact of temperature and photosynthetically active radiation on the growth and pigments concentration in Baltic picocyanobacterium *Synechococcus* sp. In: Barabasz-

Krasny B. (ed.), *Annales Universitatis Paedagogicae Cracoviensis Studia Naturae* 2, 59–68, DOI: 10.24917/25438832.2.4. ISSN 2543-8832.

28. **Śliwińska-Wilczewska S.**, Latała A. 2017. Allelopathic effects of cyanobacteria and microalgae in the aquatic environment [in Polish]. *Kosmos* 66(2), 217-224. ISSN 0023-4249.
29. Maculewicz J., **Śliwińska-Wilczewska S.**, Latała A. 2017. The allelopathic phenomenon of *Synechococcus* sp. on filamentous cyanobacteria *Geitlerinema amphibium* and *Rivularia* sp. [in Polish]. *Edukacja Biologiczna i Środowiskowa* 2(63), 3-9. ISSN 1643-8779.
30. Maculewicz J., **Śliwińska-Wilczewska S.**, Latała A. 2017. Expansion of picocyanobacteria in aquatic ecosystems [in Polish]. *Kosmos* 66(3), 465–474. ISSN 0023-4249.
31. Konarzewska Z., **Śliwińska-Wilczewska S.**, Latała A. 2018. Allelopathic activity of the three strains of Baltic picocyanobacterium *Synechococcus* sp. on selected algae and cyanobacteria. *ACTA UNIVERSITATIS MATTHIAE BELII series Environmental Management* [online]. Banská Bystrica, 2018, XX(1), 89-100. DOI: 10.24040/actaem.2018.20.1.89-100. ISSN 1338-4430.
32. **Śliwińska-Wilczewska S.**, Latała A. 2018. Factors determining the allelopathy phenomenon in cyanobacteria and microalgae in aquatic ecosystems [in Polish]. *Kosmos* 67, 583–589. ISSN 0023-4249.
33. Dobosz K., Tuszer-Kunc J., Kulasa D., **Śliwińska-Wilczewska S.** 2018. The use of cyanobacteria in mass cultures [in Polish]. *Kosmos* 67(4), 833-840. ISSN 0023-4249.
34. Budzałek G., **Śliwińska-Wilczewska S.**, Latała A. 2019. Allelopathic effect of *Ulva intestinalis* L. on the Baltic filamentous cyanobacterium *Nostoc* sp. In: Barabasz-Krasny B. (Ed.), *Annales Universitatis Paedagogicae Cracoviensis Studia Naturae* 3, 80-89. DOI: 10.24917/25438832.3.6. ISSN 2543-8832.
35. **Śliwińska-Wilczewska S.** 2019. Cyanobacteria and cyanometabolites used in the pharmaceutical and medical industry. In: Barabasz-Krasny B. (Ed.), *Annales Universitatis Paedagogicae Cracoviensis Studia Naturae* 4, 180–190. DOI: 10.24917/25438832.4.12. ISSN 2543-8832.

PUBLICATION – BOOKS

1. **Śliwińska-Wilczewska S.** 2017. The influence of environmental factors on allelopathic effects of Baltic cyanobacteria *Synechococcus* sp. and *Nodularia spumigena* [in Polish]. In: Zgaińska D. (Ed.), *Dissertationes Laudatissimae Universitas Gedanensis*. University of Gdansk Printing House p. 1-223. ISBN 978-83-7865-522-0.
2. **Śliwińska-Wilczewska S.**, Maculewicz J., Latała A. 2017. Allelopathic interactions of cyanobacteria and microalgae. LAP LAMBERT Academic Publishing, International Book Market Service Ltd., Mauritius, p. 1-112. ISBN 978-620-2-06155-1.

RESEARCH PROJECTS

1. 2009-2010 – Project ID: BW/G245-5-0502-0. Sources of funding: University of Gdańsk. Project title: Photosynthetic activity and composition of photosynthetic pigments of Baltic picocyanobacterium of the genus *Synechococcus*. Principal Investigator: Jodłowska S. Co-Principal Investigator: **Śliwińska S.**
2. 2009-2012 – Project ID: N R14 0071 06/2009. Sources of funding: Ministry of Science and Higher Education (MNiSW). Project title: Development of the Baltic Algae Culture Collection (CCBA). Principal Investigator: Adam Latała Co-Principal Investigators: Jodłowska S., Pniewski F., **Śliwińska S.**, Lemke P.
3. 2010-2013 – Project ID: 2952/B/P01/2011/40. Sources of funding: Ministry of Science and Higher Education (MNiSW). Project title: Influence of selected environmental factors on the allelopathic activity of Baltic cyanobacteria and microalgae. Principal Investigator: **Śliwińska S.** Co-Principal Investigator: Latała A.
4. 2012-2013 – Project ID: BMN 538-G245-1197-12. Sources of funding: University of Gdańsk. Project title: The influence of light intensity on the allelopathic interaction of some Baltic cyanobacteria. Principal Investigator: **Śliwińska S.**
5. 2013-2014 – Project ID: BMN 538-G245-B279-13. Sources of funding: University of Gdańsk. Project title: Allelopathic interaction of picocyanobacteria *Synechococcus* sp. on *Navicula perminuta* under different light, temperature and salinity condition. Principal Investigator: **Śliwińska S.**
6. 2013-2015 – Project ID: 2013/09/N/ST10/01929. Sources of funding: National Science Centre (NCN), PRELUDIUM 5. Project title: The importance of allelopathic interactions in the formation of massive cyanobacteria blooms. Principal Investigator: **Śliwińska S.** Co-Principal Investigator: Latała A.
7. 2014-2015 – Project ID: BMN 538-G245-B562-14. Sources of funding: University of Gdańsk. Project title: The influence of availability of nutrients on allelopathic interactions between *Synechococcus* sp. and *Nodularia spumigena*. Principal Investigator: **Śliwińska S.**
8. 2015-2016 – Project ID: BMN 538-G245-B890-15. Sources of funding: University of Gdańsk. Project title: Allelopathic interaction of *Synechococcus* sp. on selected Baltic cyanobacteria. Principal Investigator: **Śliwińska S.**
9. 2016-2017 – Project ID: BMN 538-G245-B211-16. Sources of funding: University of Gdańsk. Project title: Allelopathic

- ativity of *Synechococcus* sp. on Baltic cyanobacteria from the genus *Aphanizomenon*, *Nostoc* and *Rivularia*. Principal Investigator: **Śliwińska-Wilczewska S.** Co-Principal Investigator: Maculewicz J.
10. 2017-2018 – Project ID: 538-G245-B568-17. Sources of funding: University of Gdańsk. Project title: Allelopathic activity of the picocyanobacteria on a natural plankton community. Principal Investigator: **Śliwińska-Wilczewska S.** Co-Principal Investigators: Maculewicz J., Marszewska L.
 11. 2018-2019 – Project ID: 538-G245-B116-18. Sources of funding: University of Gdańsk. Project title: Comparison of the allelopathic effects of three strains of picocyanobacteria *Synechococcus* sp. on selected cyanobacteria and microalgae. Principal Investigator: **Śliwińska-Wilczewska S.** Co-Principal Investigator: Konarzewska Z.

PRESENTATIONS AT SCIENTIFIC CONFERENCES - ORAL PRESENTATION

1. **Śliwińska S.**, Jodłowska S., Latała A. 2009. The influence of selected environmental factors on growth, pigments, chlorophyll *a* fluorescence and photosynthesis performance in three Baltic strains of *Synechococcus* sp. [in Polish]. VIII Symposium of the Young Oceanographers, 27.11.09, Gdynia, Poland.
2. Jodłowska S., **Śliwińska S.** 2010. Photosynthetic activity and pigment content of three Baltic picocyanobacterial strains of *Synechococcus* by factorial experiments approach. XXIX International Conference of the Polish Phycological Society, 19-23.5.10, Kraków-Niedzica, Poland, p. 45-46, ISBN 978-83-89648-83-9.
3. **Śliwińska S.**, Latała A. 2010. The influence of light intensity on the allelopathy phenomenon in selected Baltic cyanobacteria and microalgae [in Polish]. IX Symposium of the Young Oceanographers, 26.11.10, Gdynia, Poland.
4. **Śliwińska S.**, Latała A. 2011. The allelopathy phenomenon in cyanobacteria and microalgae - a better understanding of the causes of massive cyanobacterial blooms in the Baltic Sea [in Polish]. IV Symposium of Young Scientists, 19-21.10.11, Cieszyn, Poland, p. 85, ISBN 978-83-61644-23-1.
5. **Śliwińska S.**, Latała A. 2011. Effect of light intensity on allelopathic activity of *Synechococcus* sp. and *Nodularia spumigena* [in Polish]. X Symposium of the Young Oceanographers, 25.11.11, Gdynia, Poland.
6. **Śliwińska S.**, Lemke P., Latała A. 2012. Allelopathic effects of cyanobacteria on diatom monocultures under different environmental conditions. International Algal Summit, 21-22.02.12, New Delhi, India, p. 17.
7. Lemke P., Jodłowska S., Pniewski F., **Śliwińska S.**, Latała A. 2012. Application of microalgae from the Culture Collection of Baltic Algae (CCBA) in science, biotechnology, industry and education. International Algal Summit, 21-22.02.12, New Delhi, India, p. 23.
8. **Śliwińska S.**, Latała A. 2012. Causes and consequences of the influence of allelopathic cyanobacteria in the Baltic Sea [in Polish]. I Geographical Symposium „Contemporary issues, problems and challenges in the study of geographical space”, 23-24.03.12, Gdańsk, Poland.
9. **Śliwińska S.**, Latała A. 2012. The allelopathic effect on the growth and ecophysiology of Baltic microalgae and cyanobacteria [in Polish]. Science Conference „Impact of Young Scientists on the Polish Science Achievement - new trends in life sciences”, 20-22.04.12, Gdańsk, Poland.
10. **Śliwińska S.**, Latała A. 2012. The role of allelopathic cyanobacteria in the Baltic Sea [in Polish]. V Geosymposium of Young Researchers Silesia 2012, 26-28.09.12, Zawiercie, Poland.
11. **Śliwińska S.**, Dopierała Ł., Latała A. 2012. The effect of cyanobacterial blooms on tourism in the Baltic Sea [in Polish]. IV International Scientific Conference „Opportunities and barriers to the development of national and international tourism”, 25-26.10.12, Sopot, Poland.
12. **Śliwińska S.**, Latała A. 2012. The influence of allelopathic cyanobacteria on the aquatic ecosystem [in Polish]. International Conference of PhD Students at the University of Szczecin „Modern aspects of the study of geographical space”, 26-27.10.12, Szczecin, Poland.
13. **Śliwińska S.**, Latała A. 2013. Effect of light intensity on allelopathic interactions of Baltic cyanobacteria *Synechococcus* sp. and *Nodularia spumigena* [in Polish]. V Sopot Youth Conference, 18.05.13, Sopot, Poland.
14. **Śliwińska S.**, Latała A. 2013. The influence of light, temperature and salinity on allelopathic activity of picocyanobacteria *Synechococcus* sp. [in Polish]. I Interdisciplinary Symposium of PhD Students from Kujawsko-Pomorskie „Science has many names...”, 01.06.13, Bydgoszcz, Poland, p. 60.
15. **Śliwińska S.**, Latała A. 2014. Influence of light, temperature and the availability of nutrients on the allelopathic effects of picocyanobacteria *Synechococcus* sp. [in Polish]. Science Conference „Impact of Young Scientists on the Polish Science Achievement - new trends in life sciences”, 25-27.04.14, Gdańsk, Poland, p. 139, ISBN 978-83-63058-39-5.
16. **Śliwińska S.**, Latała A. 2015. Allelopathic effects of Baltic cyanobacteria under different environmental factors. IV Young Scientists Conference, World Water Day, 12-13.05.15, Poznań, Poland, p. 56.
17. **Śliwińska S.**, Latała A. 2015. The influence of selected environmental factors on allelopathic effects of *Synechococcus* sp. [in Polish]. I Symposium of PhD Students of Natural Sciences from Toruń, 20-22.03.15, Toruń, Poland, p. 60.
18. **Śliwińska S.**, Latała A. 2015. The influence of allelopathic activity of picoplankton cyanobacteria *Synechococcus* sp. on selected species of Baltic cyanobacteria and microalgae [in Polish]. Science Conference „Innovation in the life sciences, engineering, humanities and socio-economic and also agricultural and earth sciences”, 25.03.15, Olsztyn, Poland.
19. **Śliwińska S.**, Kowalska Z., Sobczyk A., Latała A. 2015. The phenomenon of the allelopathic effect of picoplanktonic

- cyanobacteria *Synechococcus* sp. In the aquatic environment [in Polish]. Science Conference „Impact of Young Scientists on the Polish Science Achievement - new trends in life sciences”, 11.04.15, Gdańsk, Poland, p. 217, ISBN 978-83-63058-48-7.
20. **Śliwińska-Wilczewska S.**, Maculewicz J., Gergella K., Latała A. 2015. The influence of allelopathic effects of *Synechococcus* sp. on selected strains of Baltic cyanobacteria [in Polish]. VIII International Conference of PhD Students at the University of Szczecin, 16.10.15, Szczecin, Poland, p. 101.
 21. Maculewicz J, **Śliwińska-Wilczewska S.**, Sobczyk A., Latała A. 2016. Determination of allelopathic effects occurring between *Synechococcus* sp. and selected strains of filamentous cyanobacteria from the genus *Nostoc* and *Rivularia* [in Polish]. Science Conference “New challenges for Polish science”, 03.04.16, Gdańsk, Poland, p. 33, ISBN 978-83-63058-60-9.
 22. **Śliwińska-Wilczewska S.**, Maculewicz J., Latała A. 2016. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on selected cyanobacteria and microalgae. SIL Congress, 31.07- 05.08.16, Torino, Italy, p. 249-250.
 23. Cieszyńska A., **Śliwińska-Wilczewska S.**, Maculewicz J. 2017. Characteristics of the Baltic picoplankton *Synechococcus* sp. (green strain) based on laboratory analysis and preliminary implementation of results for numerical considerations [in Polish]. Scientific Conference “Research and Development of Young Scientists in Poland”, 23-24.02.17, Będlewo, Poland, p. 15, ISBN 978-83-65677-21-1.
 24. **Śliwińska-Wilczewska S.**, Maculewicz J., Cieszyńska A., Latała A. 2017. The importance of allelopathic effects of *Synechococcus* sp. in the dynamic formation of biomass of filamentous cyanobacteria in aquatic ecosystems [in Polish]. Hydrological Conference “The World Water Day”, 22.03.2017, Poznań, Poland, p. 22.
 25. Maculewicz J., **Śliwińska-Wilczewska S.**, Latała A. 2017. Allelopathic effects of *Synechococcus* sp. on filamentous cyanobacteria. XXXVI International Conference of the Polish Phycological Society, 24.05-27.05.2017, Lublin-Kazimierz Dolny, Polska, p. 34, ISBN 978-83-948000-0-0.
 26. Lewandowska A.U., **Śliwińska-Wilczewska S.**, Wiśniewska K., Woźniczka D. 2018. Sea surface as a source for bioaerosols in the coastal zone of the southern Baltic Sea. 12th Edition of International Conference on Oceanography & Marine Biology, 03.012-04.12.2018, Rome, Italy.
 27. Wiśniewska K., Lewandowska A., **Śliwińska-Wilczewska S.** 2019. Cyanobacteria and microalgae in atmospheric aerosols - meaning, current knowledge [in Polish]. II Scientific Conference of Polish Sea Researchers "Status and trends of changes in seas and oceans", 24-25.09.2019, Sopot/Gdynia, Poland
 28. Wiśniewska K., Lewandowska A., **Śliwińska-Wilczewska S.**, Baran K., Staniszevska M. 2019. Polycyclic aromatic hydrocarbons in bioaerosols in the atmosphere of the coastal zone of the Gulf of Gdańsk [in Polish]. XI Air Protection Conference in theory and practice, 22-25.10.2019, Zakopane, Poland.

PRESENTATIONS AT SCIENTIFIC CONFERENCES - POSTER PRESENTATION

1. Jodłowska S., **Śliwińska S.**, Latała A. 2010. Effect of irradiance, temperature, salinity and nutrient concentration on the growth of Baltic cyanobacterial strains of *Synechococcus* sp. and *Nodularia spumigena*. XXIX International Conference of the Polish Phycological Society, 19-23.5.10, Kraków-Niedzica, Poland, p. 102-103, ISBN 978-83-89648-83-9.
2. **Śliwińska S.**, Jodłowska S., Latała A. 2010. The growth and photosynthetic pigments of three Baltic picocyanobacterial strains of *Synechococcus* under the influence of irradiance. VI Hydromicrobiological Conference “Microorganisms from ecology to technology”, 06-10.06.10, Gdańsk-Gdynia, Poland, p. 29-30, ISBN 978-83-60956-21-2.
3. Jodłowska S., **Śliwińska S.** 2011. Photosynthesis irradiance curves and chlorophyll fluorescence of three Baltic picocyanobacterial strains of *Synechococcus*. XXX International Conference of the Polish Phycological Society, 19-21.05.11, Wrocław, Poland, p. 134-135, ISBN 978-83-7717-045-8.
4. **Śliwińska S.**, Latała A. 2011. Allelopathic effects of the picocyanobacteria *Synechococcus* sp. on green alga *Chlorella vulgaris* and diatom *Skeletonema maronoi*. XXX International Conference of the Polish Phycological Society, 19-21.05.11, Wrocław, Poland, p. 182-183, ISBN 978-83-7717-045-8.
5. Lemke P., Jodłowska S., Pniewski F., **Śliwińska S.**, Latała A. 2011. Involvement of the Culture Collection of Baltic Algae (CCBA) in discovering unique properties of Baltic microalgae. XVIII Cryptogamic Botany Symposium, 13-16.07.11, Barcelona, Spain, p. 62.
6. **Śliwińska S.**, Latała A. 2011. Allelopathy in *Synechococcus* sp.: effect on algal and cyanobacterial monocultures. V European Phycological Congress, 04-09.09.11, Rodos, Greece, p. 156, ISSN 0967-0262, DOI: 10.1080/09670262.2011.613163.
7. Lemke P., Jodłowska S., Pniewski F., **Śliwińska S.**, Latała A. 2011. Role of the Culture Collection of Baltic Algae in discovering unique properties of Baltic microalgae. V European Phycological Congress, 04-09.09.11, Rodos, Greece, p. 178-179, ISSN 0967-0262, DOI: 10.1080/09670262.2011.613163.
8. **Śliwińska S.**, Latała A. 2011. Allelopathic effects of the cyanobacteria *Nodularia spumigena* on green algae *Chlorella vulgaris* and *Oocystis submarina*. ICES Annual Science Conference 2011, 19-23.09.11, Gdańsk, Poland, p. 34.
9. **Śliwińska S.**, Mazurkiewicz M., Kacprzak P., Korneluk M., Wawrzynek J., Lemke P., Rzemkowska H., Latała A. 2012. Allelopathic effects of cyanobacteria on feeding and survival of the mysid shrimp *Neomysis integer*. International Algal

Summit, 21-22.02.12, New Delhi, India, p. 32.

10. Mazurkiewicz M., **Śliwińska S.**, Kacprzak P., Korneluk M., Wawrzynek J., Rzemkowska H., Latała A. 2012. The influence of allelopathic effects of Baltic cyanobacteria on the survival of *Neomysis integer* [in Polish]. I Geographical Symposium, Contemporary issues, problems and challenges in the research of geographical space, 23-24.03.12, Gdańsk, Poland.
11. Mazurkiewicz M., Kacprzak P., Korneluk M., Wawrzynek J., **Śliwińska S.**, Rzemkowska H., Latała A. 2012. The influence of allelopathic effects of *Synechococcus* sp. and *Nodularia spumigena* on the survival of *Neomysis integer* [in Polish]. IV Scientific Conference "Young in Paleontology" Paleontology in Oceanology - Oceanology in Paleontology, 19-20.04.12, Sopot, Poland, p. 46-47.
12. **Śliwińska S.**, Lemke P., Latała A. 2012. The effects of environmental factors on allelopathic interactions between cyanobacteria and microalgae. XXXI International Conference of the Polish Phycological Society, 17-20.05.12, Olsztyn, Poland, p. 96, ISBN 978-83-60111-64-2.
13. Lemke P., Pniewski F., **Śliwińska S.**, Latała A. 2012. Interactive effects of salinity, irradiance and temperature on the development of salt stress tolerance in benthic diatom *Fistulifera saprophila* (Lange-Bertalot & Bonik) Lange-Bertalot. XXXI International Conference of the Polish Phycological Society, 17-20.05.12, Olsztyn, Poland, p. 56, ISBN 978-83-60111-64-2.
14. **Śliwińska S.**, Parusel T., Latała A. 2012. The influence of nutrients on allelopathic effects of Baltic cyanobacteria [in Polish]. V Geo Symposium of Young Explorers Silesia 2012, 26-28.09.12, Zawiercie, Poland.
15. **Śliwińska S.**, Skauradszun M., Niemirycz E., Latała A. 2012. Allelopathic effects of Baltic cyanobacteria on green algae monocultures. VI International Student Conference „Aquatic environmental research“, 17-19.10.12, Palanga, Lithuania.
16. Jodłowska S, **Śliwińska S.** 2013. *Synechococcus* strains (picocyanobacteria) from the Baltic Sea – ecophysiology and their vertical and seasonal distribution in the photic zone. XXXII International Conference of the Polish Phycological Society, 20-23.05.13, Konin-Mikorzyn, Poland, p. 73-74.
17. **Śliwińska S.**, Latała A. 2014. The importance of allelopathic interactions in the formation of massive cyanobacterial blooms [in Polish]. VI Polish Symposium of the Sopot Youth Forum titled "Where the world is going", 16.05.14, Sopot, Poland, p. 25.
18. **Śliwińska S.**, Latała A. 2014. Allelopathic effects of picocyanobacterium *Synechococcus* sp. on Baltic microalgae. XXXIII International Conference of the Polish Phycological Society, 19-22.05.14, Cetniewo, Poland, p. 115, ISBN 978-83-7865-222-9.
19. Sylwestrzak Z., **Śliwińska S.**, Zgrundo A., Pniewski F., Latała A. 2015. Effects of allelochemicals, herbicide glyphosate, ionic liquids and copper oxide on the Baltic diatom *Bacillaria paxillifer*. XXXIV International Conference of the Polish Phycological Society, 18-21.05.15, Rzeszów-Polańczyk, Poland, p. 91, ISBN 978-83-7996-126-9.
20. **Śliwińska S.**, Bubak I., Sylwestrzak Z., Pniewski F., Latała A. 2015. Allelopathic effects and anthropogenic substances on cyanobacteria and microalgae in aquatic ecosystems. VI European Phycological Congress (EPC6), 23-28.08.15, London, UK, p. 187-188.
21. Serwatka M., Zgrundo A., Sylwestrzak Z., **Śliwińska S.** 2015. Effect of CuCl₂ on growth and motility of the marine diatom *Cylinrotheca closterium* (Ehremberg) Lewin and Reimann. VI European Phycological Congress (EPC6), 23-28.08.15, London, UK, p. 170.
22. Sylwestrzak Z., Zgrundo A., Jurowska J., **Śliwińska S.**, Pniewski F., Latała A. 2015. Assessment of the condition of microfitobenthos communities as a method of pollution monitoring in the Baltic Sea [in Polish]. Science Conference BAŁTYK 2015 "The status, trends, changes and contemporary methods for monitoring the environment of the Baltic Sea", 14-16.10.15, Sopot, Poland.
23. **Śliwińska-Wilczewska S.**, Maculewicz J., Gergella K., Sylwestrzak Z., Latała A. 2015. Analysis of allelopathic effects of *Synechococcus* sp. and its consequences for the environmental condition of the Baltic Sea [in Polish]. Science Conference BAŁTYK 2015 "The status, trends, changes and contemporary methods for monitoring the environment of the Baltic Sea", 14-16.10.15, Sopot, Poland.
24. Maculewicz J., **Śliwińska-Wilczewska S.**, Sobczyk A., Klin M., Latała A. 2016. Allelopathic effects of *Synechococcus* sp. on blooms of filamentous Baltic cyanobacteria. International Sopot Youth Conference 2016, 20.05.16, Sopot, Poland.
25. Sobczyk A., **Śliwińska-Wilczewska S.**, Maculewicz J., Klin M., Latała A. 2016. Allelopathic activity of picocyanobacterium *Synechococcus* sp. on selected microalgae and pelagic larvae of benthic invertebrates. International Sopot Youth Conference 2016, 20.05.16, Sopot, Poland.
26. **Śliwińska-Wilczewska S.**, Maculewicz J., Sobczyk A., Klin M., Latała A. 2016. Allelopathic effects of picocyanobacterium *Synechococcus* sp. on Baltic filamentous cyanobacteria. XXXV International Conference of the Polish Phycological Society, 01.06- 04.06.16, Łódź-Stryków, Poland, p. 98, ISBN 978-83-8088-127-3.
27. Lewandowska A., **Śliwińska-Wilczewska S.**, Woźniczka D. 2016. Identification of cyanobacteria and microalgae in aerosols of various sizes in the air above the southern Baltic Sea [in Polish]. XII Conference "Chemistry, Geochemistry and Marine Environment Protection", 21.10.16, Sopot, Poland, p. 62.
28. **Śliwińska-Wilczewska S.**, Możdżeń K., Maculewicz J., Latała A. 2017. Allelopathic interaction of Baltic

- picocyanobacteria results in the formation of massive blooms in aquatic environment. II Interdyscyplinarna Akademicka Konferencja Ochrony Środowiska, 17-20.03.2017, Gdańsk, Polska, p.133, ISBN 978-83-947159.
29. Maculewicz J., **Śliwińska-Wilczewska S.**, Możdżeń K., Latała A. 2017. Determination of allelopathic effects between *Synechococcus* sp. and selected species of Baltic cyanobacteria [in Polish]. II Interdisciplinary Academic Conference on Environmental Protection, 17-20.03.2017, Gdańsk, Poland, p. 103, ISBN 978-83-947159.
 30. Możdżeń K., **Śliwińska-Wilczewska S.**, Zandi P., Rzepka A. 2017. The influence of drought stress on the wheat grains (*Triticum aestivum* L. cv. Igna). II Interdyscyplinarna Akademicka Konferencja Ochrony Środowiska, 17-20.03.2017, Gdańsk, Polska, p. 110, ISBN 978-83-947159.
 31. Możdżeń E., Możdżeń K., Wanic T., **Śliwińska-Wilczewska S.**, Rzepka A. 2017. The intensity of the fluorescence emission spectra of the Scots pine (*Pinus sylvestris* L.) needles in Warcino Forest District (northern Poland). II Interdyscyplinarna Akademicka Konferencja Ochrony Środowiska, 17-20.03.2017, Gdańsk, Polska, p. 109, ISBN 978-83-947159.
 32. Zandi P., Możdżeń K., **Śliwińska-Wilczewska S.**, Kumar Basu S., Cetzal-Ix W., Martínez-Puc J.F. 2017. The photosynthetic activity of maize cv. Landmark in cadmium stress conditions. VI Wrocławska Konferencja Nauk Technicznych i Ścisłych-Puzzel, 01-02.04.2017, Wrocław, Polska, ISBN 978-83-937278-6-5.
 33. Cieszyńska A., **Śliwińska-Wilczewska S.** 2017. Eco-physiological Baltic picoplankton analysis and its implementation in *Synechococcus* species life cycle numerical algorithm. European Geosciences Union General Assembly 2017, 23-28.04.2017, Wiedeń, Austria.
 34. **Śliwińska-Wilczewska S.**, Maculewicz J., Latała A. 2017. Physiological adaptations and allelopathic activity of expansive picocyanobacteria *Synechococcus* sp. XXXVI International Conference of the Polish Phycological Society, 24.05-27.05.2017, Lublin-Kazimierz Dolny, Polska, p. 70, ISBN 978-83-948000-0-0.
 35. **Śliwińska-Wilczewska S.**, Maculewicz J., Cieszyńska A, Latała A. 2017. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on a natural plankton community. International Sopot Youth Conference 2017, 26.05.2017, Sopot, Polska, p. 31.
 36. Maculewicz J., **Śliwińska-Wilczewska S.**, Latała A. 2017. Allelopathic interactions between three strains of Baltic picocyanobacterium *Synechococcus* sp. International Sopot Youth Conference 2017, 26.05.2017, Sopot, Polska, p. 36.
 37. Cieszyńska A., **Śliwińska-Wilczewska S.**, Maculewicz J., Stramska M. 2017. Recognition of picocyanobacteria photochemical characteristics on the basis of laboratory experiments. International Sopot Youth Conference 2017, 26.05.2017, Sopot, Polska, p. 42.
 38. Cieszyńska A., **Śliwińska-Wilczewska S.**, Stramska M. 2017. Baltic filamentous cyanobacteria and picocyanobacteria growth characteristics at different environmental conditions simulated in laboratory experiments. XXI Baltic Sea Science Congress, 12-16.06.2017, Rostock, Niemcy, p. 124.
 39. **Śliwińska-Wilczewska S.**, Konarzewska Z., Możdżeń K., Latała A. 2018. The phenomenon of allelopathic effect of the Baltic picocyanobacteria *Synechococcus* sp. on selected diatom [in Polish]. Conference of Young Biologists - Biologus 2018, 12-13.04.18 Szczecin, Poland, p. 86.
 40. **Śliwińska-Wilczewska S.**, Możdżeń K., Konarzewska Z., Wolff G., Budzałek G., Latała A. 2018. Influence of allelopathic effects of picocyanobacteria *Synechococcus* sp. on photosynthetic activity of selected phytoplankton species [in Polish]. Conference of Young Biologists - Biologus 2018, 12-13.04.18 Szczecin, Poland, p. 87.
 41. Możdżeń K., Barabasz-Krasny B., **Śliwińska-Wilczewska S.**, Konarzewska Z., Zandi P. 2018. Allelopathic effect of *Dactylis glomerata* L. on sprouting and growth of *Trifolium pratense* L. [in Polish]. Conference of Young Biologists - Biologus 2018, 12-13.04.18 Szczecin, Poland, 68.
 42. Możdżeń K., Barabasz-Krasny B., **Śliwińska-Wilczewska S.**, Konarzewska Z., Zandi P. 2018. Evaluation of allelopathic activity of *Galinsoga parviflora* Cav. and *Oxalis fontana* Bunge for the early growth stages of cultivars *Raphanus sativus* L. var. *radicula* Pers [in Polish]. Conference of Young Biologists - Biologus 2018, 12-13.04.18 Szczecin, Poland, p. 67.
 43. Złoch I., **Śliwińska-Wilczewska S.**, Kucharska M., Kozłowska W., Surosz W. 2018. Allelopathic effect of *Chara aspera*, *Chara baltica* and *Chara canescens* on the bloom-forming picocyanobacterium *Synechococcus* sp. 37th International Conference of the Polish Phycological Society, 22-25.05.2018, Kraków-Dobczyce, Góra Jałowcowa, Poland.
 44. **Śliwińska-Wilczewska S.**, Barreiro Felpeto A., Możdżeń K., Klin M., Konarzewska Z., Wolff G., Korneluk P., Latała A. 2018. Allelopathic activity of the picocyanobacterium *Synechocystis* sp. on cyanobacterial and algal monocultures and on natural plankton community. 37th International Conference of the Polish Phycological Society, 22-25.05.2018, Kraków-Dobczyce, Góra Jałowcowa, Poland.
 45. Cieszyńska A., Neumann T., **Śliwińska-Wilczewska S.**, Stramska M. 2018. Phytoplankton-driven pH changes in the Baltic Sea area. International Sopot Youth Conference, 25.05.2018, Sopot, Poland. P. 43.
 46. Cieszyńska A., Neumann T., Stramska M., **Śliwińska-Wilczewska S.** 2018. On the picocyanobacteria modelling in the Baltic Sea – pico-bioalgorithms development. International Sopot Youth Conference, 25.05.2018, Sopot, Poland, p. 44.
 47. Konieczna I., Możdżeń K., Barabasz-Krasny B., **Śliwińska-Wilczewska S.**, Zandi P., Puła J. 2018. Allelopathic interaction of *Solidago canadensis* L. on germination and early stages of growth of *Trifolium pratense* L. IV International IX Interdisciplinary Conference Nature–Human–Culture, 14-17.06.2018, Kraków, Poland, p. 53.
 48. **Śliwińska-Wilczewska S.**, Możdżeń K., Rzepka A., Zandi P., Latała A. 2018. Allelopathic activity of the

picocyanobacterium *Synechococcus* sp. under environmental stress. 11th International Conference "Plant Functioning Under Environmental Stress", 12-15.09.2018, Kraków, Poland.

49. **Śliwińska-Wilczewska S.**, Bubak I., Barreiro Felpeto A., Cieszyńska A., Możdżeń K., Konarzewska Z., Latała A. 2019. Antialgal assessment of different phenotypes of picocyanobacteria strains from the genus *Synechococcus*. XI International Conference on Toxic Cyanobacteria "Learning from the past to predict the future", 05-10.05.2019, Kraków, Polska.
50. Bubak I., **Śliwińska-Wilczewska S.**, Chlost I. 2019. Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on a natural plankton community. XI International Conference on Toxic Cyanobacteria "Learning from the past to predict the future", 05-10.05.2019, Kraków, Polska.
51. Wiśniewska K., Baran K., **Śliwińska-Wilczewska S.**, Lewandowska A. 2019. Aerolized algae as a potential human health threat – current knowledge status. International Sopot Youth Conference, 07.06.2019, Sopot, Poland.
52. **Śliwińska-Wilczewska S.**, Wiśniewska K., Klin M., Lewandowska A., Latała A. 2019. The first preview of the Culture Collection of Airborne Algae. International Sopot Youth Conference, 07.06.2019, Sopot, Poland.
53. Konarzewska Z., **Śliwińska-Wilczewska S.** 2019. First record of allelopathic activity of brown strain of *Synechococcus* sp. International Sopot Youth Conference, 07.06.2019, Sopot, Poland.
54. Wiśniewska K., Lewandowska A., **Śliwińska-Wilczewska S.** 2019. Airborne cyanobacteria and microalgae of the Southern Europe areas. XXXVIII International Conference of the Polish Phycological Society "Evolution and algae biodiversity", 04-07.06.2019, Kielce, Sandomierz, Poland.
55. **Śliwińska-Wilczewska S.**, Latała A. 2019. Different phenotypes of Picocyanobacteria *Synechococcus* sp. as an interesting example of strains present in the CCBA collection. 7th European Phycological Congress, 25-30.08.2019, Zagreb, Croatia.
56. **Śliwińska-Wilczewska S.**, Konarzewska Z., Latała A. 2019. Ecophysiological characteristics of selected Baltic strains of picocyanobacteria *Synechococcus* sp. [in Polish]. II Scientific Conference of Polish Sea Researchers "Status and trends of changes in seas and oceans", 24-25.09.2019, Sopot/Gdynia, Poland.

TRAININGS AND COURSES ABROAD

1. 12.06-17.07.2007 – participation in the scientific expedition of the University of Gdańsk to Iceland, the University of Reykjavík and the Sandgerdi Marine Center (SMC).
2. 07-28.02. 2008 – participation in the scientific expedition of the University of Gdańsk to Morocco, the University of Rabat.
3. 03-15.05.2010 – participation in the scientific expedition of the University of Gdańsk to Turkey, the Maritime Institute at the University of Technology in Erdemli.
4. 14-18.06.2010 – Participation in the 19th International Ecological Summer School - "Freshwater Dinophyta workshop - Workshop Bryzdnicowe, Institute of Environmental Biology at the Faculty of Biology of the University of Adam Mickiewicz in Poznan.
5. 10-26.04.2011 – participation in the scientific expedition of the University of Gdańsk to Syria.
6. 09-19.06.2017 – participation in the scientific expedition of the University of Gdańsk to Montenegro.

TRAININGS AND COURSES IN POLAND

1. 18.11.2009 – participation in International Day of Geographical Information Systems (GIS Day).
2. 03.11.2011 – participation in the training: "Possibilities of career development for a PhD student and an experienced scientist - From PEOPLE to IDEAS. Job offers for researchers on the EURAXESS portal."
3. 16.12.2011 – participation in workshop: "How to write and publish interdisciplinary scientific articles", University of Gdańsk, (Human Capital National Cohesion Strategy).
4. 19.01.2012 – participation in workshop: "How to write scientific articles in English", University of Gdańsk, (Human Capital National Cohesion Strategy).
5. 25.01.2012 – participation in workshop: „Feedback”, University of Gdańsk, (Human Capital National Cohesion Strategy).
6. 02-04.03.2012 – participation in workshop: "Laboratory Auditor, ISO 17025:2005", Gdansk University of Technology, Faculty of Chemistry, Gdańsk, Poland.
7. 06.03.2012 – participation in workshop: "Academic Writing in English", University of Gdańsk, (Human Capital National Cohesion Strategy).
8. 22.03.2012 – participation in workshop: "Supporting technologies in academic didactics", University of Gdańsk, (Human Capital National Cohesion Strategy).
9. 29.03.2012 – participation in workshop: "Academic Writing in English", University of Gdańsk, (Human Capital National Cohesion Strategy).
10. 19.04.2012 – participation in workshop: „Academic Writing in English”, University of Gdańsk, (Human Capital

National Cohesion Strategy).

11. 25.04.2012 – participation in workshop: “As you learn Montessori school graduates?”, University of Gdańsk, (Human Capital National Cohesion Strategy).
12. 25.06.2013 – participation in workshop: “The “design thinking” method in academic research and didactics”, University of Gdańsk, (Human Capital National Cohesion Strategy).
13. 2012-2013 – completing the Cisco Networking Academy course in English and obtaining the IT Essentials Certificate.
14. 26-27.01.2015 – participation in specialized course: “HPLC technique”, A&A Biotechnology, Gdynia, Poland
15. 04-05.03.2015 – participation in specialized course: “TISCH Environmental International, Model: TE 6070 High Volume Particle Sampler with Cascade Impactor”, ECO Monitoring, Gdynia, Poland.
16. 04-05.03.2015 – participation in specialized course: “TISCH Environmental International, Model: TE-10-800 Six stage ambient viable sampler/impactor”, ECO Monitoring, Gdynia, Poland.
17. 24.03.2015 – participation in specialized course: „FlowCam”, Kevina Stewart, Manager of Customer Support Fluid Imaging Technologies, Gdynia, Poland.
18. 15-16.06.2015 – participation in specialized course: “Isolation of nucleic acids”, A&A Biotechnology, Gdynia, Poland.
19. 17.09.2015 – participation in workshop: “Improve the efficiency of your research. What effect do test tubes, plates and pipette tips have on the results of your experiments”, Eppendorf, Gdańsk, Poland.
20. 06.03 - 10.03.2017 – completing the course “Programming with Python in ArcGis 10.4”.
21. 01.10.2016 - 29.09.2017 – completing postgraduate studies at the University of Gdańsk in the field of GIS - Geographical Information System (specialization: GIS Analyst).
22. 31.10.2017 – participation in the training on the operation of the meteorological station on the "Oceanograf" scientific-research vessel.

REVIEWS OF THE ARTICLES

1. 01.05.16 – Journal of Marine Systems
2. 17.09.16 – International Review of Hydrobiology
3. 20.04.17 – Photosynthetica
4. 20.04.17 – Oceanologia
5. 04.01.18 – Oceanological and Hydrobiological Studies
6. 11.02.18 – Environmental Science and Pollution Research
7. 10.02.18 – Environmental Science and Pollution Research
8. 06.04.18 – Journal of Bioscience and Bioengineering
9. 29.05.18 – Photosynthetica
10. 07.07.18 – Environmental Science and Pollution Research
11. 29.09.18 – Chemosphere
12. 20.10.18 – Forests
13. 27.11.18 – Molecules
14. 11.12.18 – Forests
15. 18.01.19 – Ecotoxicology and Environmental Safety
16. 23.01.19 – Oceanological and Hydrobiological Studies
17. 13.02.19 – Toxins
18. 16.02.19 – Biocatalysis and Agricultural Biotechnology
19. 01.03.19 – Forests
20. 01.03.19 – Thalassas: An International Journal of Marine Sciences
21. 02.04.19 – Molecules
22. 03.04.19 – Ecotoxicology and Environmental Safety
23. 19.05.19 – Environmental Science and Pollution Research
24. 19.05.19 – Molecules
25. 19.05.19 – Science of the Total Environment
26. 21.06.19 – Applied Sciences
27. 26.07.19 – Forests
28. 12.08.19 – Oceanological and Hydrobiological Studies
29. 20.10.19 – Applied Sciences
30. 18.11.19 – Plants
31. 21.01.20 – Toxins
32. 18.03.20 – Molecules
33. 07.05.20 – Marine Drugs
34. 17.05.20 – Aquatic Toxicology
35. 20.05.20 – Journal of Oceanology and Limnology

36. 05.06.20 – Aquatic Toxicology
37. 16.06.20 – Journal of Oceanology and Limnology

AWARDS

1. 06.12.13 – Scholarship from the Minister of Science and Higher Education in academic year 2013/2014.
2. 01.01.15-30.12.15 – Scholarship received as part of the project "Development Program of the University of Gdańsk in Europe 2020 (UG 2020)",
3. 06.10.16 – Co-financing of an outstanding doctoral dissertation at the University of Gdańsk Publishing House.
4. 20.09.18 – Scholarship from the Ministry of Science and Higher Education for outstanding young scientist with a PhD in the years 2018-2021.
5. 28.09.18 – Award of the Dean of the Faculty of Oceanography and Geography of the University of Gdańsk for scientific and research achievements and particularly valuable scientific publications in 2017.
6. 27.09.19 – Award of the Dean of the Faculty of Oceanography and Geography of the University of Gdańsk for scientific and research achievements and particularly valuable scientific publications in 2018.

MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

1. since 2010 – Polish Phycological Society (PTF)
2. since 2010 – Federation of European Phycological Societies (FEPS)
3. since 2012 – International Phycological Societies (IPS)
4. since 2016 – Polish Hydrobiological Society (PTH)
5. since 2017 – International Society of Limnology (SIL)

MEMBERSHIP IN EDITORIAL COMMITTEES

1. since 2016 – Member of the Editorial Committee of the "Tutoring Gedanensis" Journal.
2. since 2017 – Member of the Editorial Committee of the scientific journal "Annales Universitatis Paedagogicae Cracoviensis Studia Naturae".
3. since 2019 – Associate Editor of the journal "Allelopathy Journal".

ACADEMIC ACHIEVEMENTS

DIDACTIC CLASSES

1. 2010/2011 – „Specialized classes in the sea and coastal zone” for master students, 60h.
2. 2011/2012 – „Specialized classes in the sea and coastal zone” for master students, 30h.
3. 2012/2013 – „The project workshop” for bachelor students, 10h.
4. 2012/2013 – „Specialized classes in the sea and coastal zone” for master students, 60h.
5. 2013/2014 – „Fundamentals of Marine Botany” for bachelor students, 22h.
6. 2013/2014 – „The project workshop” for bachelor students, 32h.
7. 2013/2014 – „Specialized classes in the sea and coastal zone” for master students, 40h.
8. 2014/2015 – „Fundamentals of Marine Botany” for bachelor students, 135h.
9. 2014/2015 – „Mariculture” for master students, 6h.
10. 2014/2015 – „Specialized classes in the sea and coastal zone” for master students, 40h.
11. 2015/2016 – „Fundamentals of Marine Botany” for bachelor students, 90h.
12. 2015/2016 – „The project workshop” for bachelor students, 32h.
13. 2015/2016 – „Specialized classes in the sea and coastal zone” for master students, 40h.
14. 2015/2016 – „Workshop for master students I” for master students, 4,5h.
15. 2016/2017 – „Mariculture” for master students, 6h.
16. 2016/2017 – „Fundamentals of Marine Botany” for bachelor students, 90h.
17. 2016/2017 – „Biotechnology in aquaculture - algae” for master students, 15h.
18. 2016/2017 – „Workshop for master students I” for master students, 1h.
19. 2016/2017 – „Workshop for master students II” for master students, 4,6h.
20. 2016/2017 – „Workshop for bachelor students I” for bachelor students, 3h.
21. 2016/2017 – „The project workshop” for bachelor students, 32h.

22. 2016/2017 – „Workshop for master students III” for master students, 3,4h.
23. 2016/2017 – „Workshop for bachelor students II” for bachelor students, 3h.
24. 2016/2017 – „Specialized classes in the sea and coastal zone” for master students, 40h.
25. 2016/2017 – „Biogeography of the sea - exercises” for bachelor students, 10h.
26. 2016/2017 – „Biogeography of the sea - lecture” for bachelor students, 5h.
27. 2017/2018 – „Mariculture” for master students, 6h.
28. 2017/2018 – „Fundamentals of Marine Botany” for bachelor students, 45h.
29. 2017/2018 – „Environmental monitoring - lecture” for bachelor students, 15h.
30. 2017/2018 – „The project workshop” for bachelor students, 16h.
31. 2017/2018 – „Workshop for master students III” for master students, 7,5h.
32. 2017/2018 – „Workshop for master students I” for master students, 22,5h.
33. 2017/2018 – „Biogeography of the sea - lecture” for bachelor students, 5h.
34. 2017/2018 – „Biogeography of the sea - exercises” for bachelor students, 10h.
35. 2018/2019 – „Fundamentals of Marine Botany” for bachelor students, 90h.
36. 2018/2019 – „Workshop for bachelor students I” for bachelor students, 2,5h.
37. 2018/2019 – „Workshop for bachelor students II” for bachelor students, 2,5h.
38. 2018/2019 – „Workshop for master students I” for master students, 4h.
39. 2018/2019 – „Biogeography of the sea - lecture” for bachelor students, 5h.
40. 2018/2019 – „Systematics and basics of biology of organisms” for bachelor students, 60h.
41. 2019/2020 – „Fundamentals of Marine Botany” for bachelor students, 135h.
42. 2019/2020 – „Ecology” for bachelor students, 30h.
43. 2019/2020 – „Systematics and basics of biology of organisms” for bachelor students, 30h.
44. 2019/2020 – „Specialized classes in the sea and coastal zone” for master students, 23h.
45. 2019/2020 – „Mariculture” for master students, 6h.
46. 2019/2020 – „Environmental monitoring - lecture” for bachelor students, 15h.

SUPERVISOR OF BACHELOR THESIS

1. 2015/2016 – Jakub Maculewicz – „The influence of allelopathic effects of *Synechococcus* sp. on selected cyanobacteria from the genus *Aphanizomenon*, *Nostoc*, *Phormidium*, and *Rivularia*”.
2. 2016/2017 – Arkadiusz Knitter – „The use of flow cytometry to determine the allelopathic effect of picoplanktonic cyanobacteria in monocultures and mixed cultures”.
3. 2018/2019 – Patryk Korneluk – „The effect of allelopathic compounds of cyanobacteria and microalgae on heterotrophic bacteria and the possibility of their practical use”.
4. 2018/2019 – Aleksandra Górna- „The use of macroalgae in industry and medicine”.
5. 2018/2019 – Ewelina Chylewska – „Allelopathic compounds of cyanobacteria used in the pharmaceutical and medical industries”.
6. 2018/2019 – Magdalena Frelich – „The impact of climate change on the occurrence of massive cyanobacterial blooms in aquatic ecosystems”.
7. 2018/2019 – Marta Górczak – „Potential use of microalgae in the pharmaceutical and medical industries”.
8. 2018/2019 – Patrycja Szwedowska – „Possibility of practical use of cyanobacterial secondary metabolites in biotechnology”.

SUPERVISOR OF MASTER THESIS

1. 2015/2017 – Amanda Sobczyk – “The influence of allelopathic effects of picocyanobacteria *Synechococcus* sp. on selected Baltic microalgae and meroplankton species”.
2. 2015/2017 – Marzena Płatek – “The influence of selected environmental factors on the bioluminescence of heterotrophic bacteria”. Second supervisor – professor Agata Weydmann (University of Gdansk).
3. 2017/2019 – Zofia Konarzewska – “Determination and comparison of allelopathic effects of three strains of picocyanobacteria *Synechococcus* sp. on selected cyanobacteria, green algae and diatoms species”. Second supervisor – dr Aldo Barreiro Felpeto (University of Porto)
4. 2017/2019 – Grzegorz Wolff – “The influence of allelopathic effects of *Synechococcus* sp. on natural phytoplankton communities”.
5. 2018/2020 – Gracjana Budzałek – “The allelopathic effect of macroalgae on selected cyanobacteria”.

OTHER DIDACTIC ACTIVITY

1. 01.07-01.10.2013 – participation in the Collegium Wratislaviense Academic Tutor training and obtaining the title

Academic Tutor - 1st degree.

- 2014/2015 – scientific supervision over high school student Kinga Gergella from III Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia, during the Biological Olympiad and the Scientific Competition E(x)plory. The title of the work “Allelopathic effect of cyanobacteria *Synechococcus* sp. on selected species of microalgae and cyanobacteria”. Work awarded at the regional elimination stage.
- 2015/2016 – scientific supervision over high school student Kinga Gergella from III Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia, during the Biological Olympiad and the Scientific Competition E(x)plory. The title of the work „The phenomenon of the influence of allelopathic cyanobacteria *Synechococcus* sp. on selected species of Baltic cyanobacteria”. Work awarded at the nationwide elimination stage.
- 02.12.2015 – scientific supervision over high school student Kinga Gergella from III Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia, during the Special Edition of Scientific Competition E(x)plory in Warsaw, Poland. Work awarded at the final stage of elimination.
- 2016/2017 – scientific supervision over high school student Daria Cisko from III Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia, during the Biological Olympiad and the Scientific Competition E(x)plory. The title of the work „The allelopathic effect of picocyanobacteria *Synechocystis* sp. in the aquatic environment”. Work awarded at the second stage of elimination.
- 18-20.10.2017 – scientific supervision over high school student Daria Cisko from III Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia, during the National Final of the Scientific Competition E(x)plory 2017 in Gdynia. The title of the work „The allelopathic effect of picocyanobacteria *Synechocystis* sp. in the aquatic environment”. Work awarded at the final elimination stage.
- 2015 - 2019 – participation in the Professional Academic Tutoring System for students at the Faculty of Oceanography and Geography, University of Gdansk “TUTOR-WOIG”, Gdynia, Poland.

ORGANIZING ACHIEVEMENTS

PARTICIPATION IN BALTIC FESTIVAL OF SCIENCE AND SIMILAR PROJECTS

- 30.05.2010 – organization and participation in VIII Baltic Festival of Science event „The use of algae and cyanobacteria in everyday life”.
- 21-23.03.2011 – participation in “Targi Akademia” event, University of Gdansk.
- 29.05.2011 – organization and participation in IX Baltic Festival of Science event „Check to see what they can do! The amazing world of Baltic algae and cyanobacteria”
- 25.05.2012 – organization and participation in X Baltic Festival of Science event „Oceanographic trips”.
- 27.05.2012 – organization and participation in X Baltic Festival of Science event „Catch the algae!”.
- 20.03.2013 – participation in “Targi Akademia” event, Institute of Oceanography, University of Gdansk.
- 26.05.2013 – organization and participation in X Baltic Festival of Science event „Algae and cyanobacteria in the sea, food and cosmetics”.
- 21-22.03.2016 – participation in “Targi Akademia” event, Institute of Oceanography, University of Gdansk.
- 25.06.16 – organization and participation in “Oceanographic Picnic: Sea Festival 2016” event, Institute of Oceanography, University of Gdansk.
- 06-07.08.2016 – organization and participation in Experiment Science Center, “Dive in the Baltic Sea” event, Gdynia, Poland.
- 27.10.2017 – organization and participation in “Open Information and Adaptive Day IOUG” event, Institute of Oceanography, University of Gdansk.
- 27.10.2017 – organization and participation in Experiment Science Center, “Recipe for a good form” event, Gdynia, Poland.
- Cieszynska A., Stramska M., Śliwińska-Wilczewska S. 2017. The terminator is in cyanobacteria. Baltic Sea under the microscope. Part 2. [in Polish]. Econatura. (*publication*)
- Cieszynska A., Śliwińska-Wilczewska S., Marks R., Wereszka M. 2017. Baltic Sea under the microscope. Part 3. Can the seas be fertile? [in Polish]. Econatura. (*publication*)

OTHER ACTIVITY

- 12.06-17.07.2007 – organization and participation in science expedition to Iceland, Reykjavík University and Sandgerdi Marine Centre (SMC).
- 07-28.02. 2008 – organization and participation in science expedition to Morocco, Rabat University.

3. 03-15.05.2010 – organization and participation in science expedition to Turkey, Middle East Technical University, Institute of Marine Sciences.
 4. 10-26.04.2011 – organization and participation in science expedition to Syria.
 5. 24.02.2016 – reviewer of scientific project: “European Union Contest for Young Scientists (EUCYS)”.
 6. 03.04.2016 – participation in the Scientific Committee: „New challenges for Polish Science”.
 7. since 2016 – participation in the Editorial Committee of „Tutoring Gedanensis” journal.
 8. 09-19.06.2017 – organization and participation in science expedition to Montenegro.
 9. since 2017 – participation in the Review Committee of „Annales Universitatis Paedagogicae Cracoviensis Studia Naturae” journal.
-