TATJANA PAULAUSKIENE

Date of birth 1980 04 14 Professor, 04T - technology E-mail: <u>tatjana.paulauskiene@ku.lt</u>



ACQUIRED EDUCATION AND	Year	Name of institution	Acquired professional qualification, academic degrees
QUALIFICATION	2012	Klaipeda University	Docent name
	2004–2008	Vilnius Gediminas Technical University	PhD on Environmental Engineering
	2002–2004	Klaipeda University	Master of science on Chemical Engineering
	1998–2002	Klaipeda University	Bachelor of science on Chemical Engineering
EMPLOYMENT	Year	Name of workplace/institution, subdivision	Position
RECORD	2021 04 01– 2022 07 01	Klaipeda University Project InoBioTech Baltija: Development of a biotechnological treatment method for oil spills in the Baltic Sea (Agency for Science, Innovation and Technology; No. 01.2.2- MITA-K-702-11). Budget: 100 000 EUR.	Senior Researcher, Project Manager Team Leader
	2021 10 01 – 2022 05 01	Development of maritime STEAM infrastructure at Klaipeda University	Methodologist
	2020 09 07– now	Inobiostar, spin-off company of Klaipeda University	Founder, CEO
	2019 09 01 – now	Klaipeda University, Faculty of Marine Technology and Natural Science	Professor
	2019 03 01 – 2020 12 31	Liepaja University, Latvia	Guest Professor
	2018 03 01 – 2021 04 01	Klaipeda University, Marine Research Centre	Knowledge and technology transfer specialist, innovative business development consultant (KORPIS Project)
	2017 09 01 – now	Klaipeda University, Faculty of Marine Technology and Natural Science	Senior Researcher
	2012 – 2015	Klaipeda University, Faculty of Marine Engineering	Deputy Dean for Studies
	2012 – 2015	Klaipeda University, Mechatronics Scientific Research Institute	Senior Researcher
	2013	Klaipeda University	Study programme coordinator (GenBalt project)
	2009 – 2019	Klaipeda University, Faculty of Marine Engineering	Docent (Assoc. Prof.)
	2012	Klaipeda University	Researcher (GenBalt project)
	2007 – 2012	Klaipeda University, Faculty of Marine Engineering	Development coordinator
	2010	Klaipeda University	Procurement officer for laboratories
	2007 –2009	Klaipeda University, Faculty of Marine Engineering	Lector
	2005 –2007	Klaipeda University, Faculty of Marine Engineering	Junior researcher

	2007 – 2009 Klaipeda University, Faculty of Ma Engineering	rine Assistant		
RESEARCH INTERESTS				
	- Aquatic Oil spills clean-up using cellulose aerogels and natural sorbents			
	- Cellulose aerogels: production, research and utilisation			
	- Alternative Fuels for Marine Applications			
MOST SIGNIFICANT SCIENTIFIC PUBLICATIONS	Patent: "Method for Petroleum Hydrocarbon Bioreme	ediation Using Fungi" (Proposal for European Patent		
	Office No. EP20198290.7). The invention relates to petroleum hydrocarbon degradation in water and in particular use of fungi derived from the coastal environment to degrade petroleum hydrocarbons in the marine environment. 2020-2022.			
	Manuscripts:			
		ene et al. Improvement of Regasification Process n Unit. Journal of Marine Science and Engineering. 7.		
	Based Aerogels: Research and Applicatio 10(491):1-14. 2022 . DOI: 10.3390/jmse10040			
		Removal of Petroleum Hydrocarbons from Brackish urnal of Marine Science and Engineering, 10(597):1- 2,033. Q2.		
	- T. Paulauskiene; J. Uebe; M. Ziogas. Cellulo regeneration. PeerJ Life and Environment. 20	ose aerogel composites as oil sorbents and their 21 . IF: 2,379; Q2.		
		t-effective and recyclable aerogels from cellulose Science and Pollution Research. 2021 . 28:36551– 13369-9. IF: 4,223; Q2.		
		the Sewage and Sludge Contamination by Phthalate be Countries. Sustainability 2021 , 13, 529. .76. Q2.		
	blends as alternative fuel for marine applicat	. Characterization of biomethanol–biodiesel–diesel tions // Journal of marine science and engineering. vol. 8, iss. 9, art. no. 730, p. 1-13. DOI:		
		nvestigation of cellulose-based aerogels for oil spill Springer. ISSN 0049-6979. eISSN 1573-2932. 2020 , 007/s11270-020-04799-1. IF = 1,900. Q3.		
	•	e. 2019 . Alternative Fuels for Marine Applications: 48, p. 161-167. DOI: 10.1016/j.fuel.2019.03.082. IF =		
		rom concept to practice: manufacturing of bio- s Conversion and Biorefinery. DOI: 10.1007/s13399-		
		ays to clean up oil spills in harbor water areas: crude al sorbents. Environmental Science and Pollution $F=2,8, Q2.$		
	Chapter:			
	- T. Paulauskiene. 2018. Petroleum Extraction	Engineering, Recent Insights in Petroleum Science Zoveidavianpoor, ISBN 978-953-51-3810-5, Print 72/intechopen.70360.		
PARTICIPATION IN THE CONFERENCES	on the Principles of The Circular Economy. Athens. Greece. 2022 06 1-2.	reen economy: Resource-Saving Technologies Base 1st Research Workshop in Agricultural University of		
		on of Liquefied Natural Gas Ageing at Klaipeda FSRI onal Scientific Conference "Transport Means 2021		

	 V. Semaskaite, T. Paulauskiene, J. Uebe, L. Saltyte-Vaisiauske, V. Jakubauskaite. Management of Liquefied Natural Gas. The 25th International Scientific Conference "Transport Means 2021" 2021 10 08 (online) T. Paulauskiene, M. Katarzyte, J. Uebe. InnoAerogel: production, research and application. Smart Urban Coastal Sustainability Days "Interdisciplinary approaches to the understanding of coastal systems", 2021, 04 8-9.
	 M. Tvaronaviciene, T. Pleta, V.Semaskaite, T. Paulauskiene, K.Vaiciute. Cold energy economy and cybersecurity of floating storage and regasification units: emerging trends, challenges, and opportunities. The XII International Scientific Conference Transport Problems 2020, 2020 10 01 (online)
	 V. Semaskaite, J. Murašov, T. Paulauskiene, J. Uebe. Investigation of Liquefied Natural Gas Ageing at JC "Klaipėda Nafta". The 24th International Scientific Conference "Transport Means 2020" 2020 10 02 (online)
	- T. Paulauskiene, M. Katarzyte, J. Uebe, M. Ziogas. Innovative Methods of Oil Spills Clean-Up in The Baltic Sea. The XI International Scientific and Technical Conference Innovations in shipbuilding and oceanic engineering, 2020 09 24 (online)
	- T. Paulauskiene, J. Uebe, A.U. Karasu. BUP Symposium 2020: Research and Innovation for a Sustainable Baltic Sea Region. Cellulose Aerogel from Paper Waste for Crude Oil Spill Cleaning, 2020 08 25-26 (online)
	- T. Paulauskienė. World Energy Outlook: Looking Ahead to 2050. Future trends in ENERGY and ELECTROMOBILITY in the South Baltic Region. Cross-border Conference with PA panel. 2019 10 25, Gdansk (Poland)
	 T. Paulauskiene; O. Anne; R. Viederyte; L. Abele. Alternative solutions for marine fuel's composition towards Marine Strategy Directive performance // IOP conference series: Earth and environmental science : XVI-th International youth Science and Environmental Baltic Region Countries Forum : 7-9 October, 2019, Gdansk, Poland. London : Institute of Physics. ISSN 1755-1307. eISSN 1755-1315. 2019, vol. 390, no. 1, art.no. 012051, p. 1-6. DOI: 10.1088/1755-1315/390/1/012051
	 R. Viederyte; T. Paulauskiene; O. Anne; L. Abele. Industrial symbiosis efficiency parameters in context of regional sustainable development // IOP conference series: Earth and environmental science: XVI-th International youth Science and Environmental Baltic Region Countries Forum : 7-9 October, 2019, Gdansk, Poland. London : Institute of Physics. ISSN 1755-1307. eISSN 1755-1315. 2019, vol. 390, no. 1, art.no. 012050, p. 1-7. DOI: 10.1088/1755-1315/390/1/012050
	- T. Paulauskiene, M. Bucas, A. Kasperaviciute, M. Nikolajeve. "Alternative Fuels for Marine Applications: Behaviour of Biomethanol and Biodiesel on Properties of Marine Diesel Oil", "5th World Bioenergy Congress", 2019 04 15-17, Tokyo (Japan)
	 T. Paulauskienė, M. Bučas, A. Kasperavičiūtė, M. Matiliūnaitė. 2018. Alternative Fuels for Marine Applications: Methanol-Biodiesel-Diesel Blends. The 2nd International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC), Spain. 2018 09 15-20
	 T. Paulauskienė. 2017. The use of natural organic sorbents to clean up oil spills in ports // BIT's 6th Annual World Congress of Ocean-2017. Abstract Book. – 2017 November 3–5, Shenzhen, China; China Association of Oceanic Engineering; China Fisheries Association; China Institute of Navigation; p. 81
AWARDS	- Master's thesis "Aerogel Production, Research and Application for the Oil Spills Cleanup ", student leva Paulauskė, supervisor Tatjana Paulauskiene, awarded:
	"Best Final Thesis 2019" award by the Klaipeda Municipality. "Mostly Important works for the Klaipeda City".
	 Master's thesis , Alternative Fuels for Marine Applications: Methanol-Biodiesel-Diesel Blends", student Airida Kasperaviciute, supervisor Tatjana Paulauskiene, awarded:
	"Best Master's Thesis 2018" award by the Ministry of Ministry of Transport and Communications of the Republic of Lithuania. II place.
	- Master's thesis "Exergetic Analysis of Regasification Process: Case Study of Cold Energy Utilization at FSRU", student Vigaile Semaskaite, supervisor Tatjana Paulauskiene, awarded:
	"Best Master's Thesis 2018" award by the Klaipeda Municipality. "Mostly Important works for the Klaipeda City".

		esis "The use of natural sorbents for spilled crude oil and diesel cle udent Indrė Jucikė, supervisor Tatjana Paulauskiene, awarded:	ean up from the wate		
		Master's Thesis 2014" award by the Ministry of Economy of the Re in the category "Economical growth and improvement of the com			
	"Best Master's Thesis 2014" award by the Lithuanian Society of Young Researchers. I place in the category "Technology Sciences".				
	"Best Master's Thesis 2014" award by the Klaipeda Association of Industrialists. I place in the category "Mostly Important works for the Klaipeda City and the Region".				
PARTICIPATION IN	Year	ear Title Position			
R&D PROJECTS	2021 04 01 – now	<u>InoBioTech Baltija</u> - Development of a biotechnological in-situ treatment method for oil spills in the Baltic Sea (Agency for Science, Innovation and Technology; No. 01.2.2-MITA-K-702- 11)	Project Manager, Senior Researcher, Team Leader		
	2021 12 02	EIC-EIT Climate Race to Net-zero program	Grant not awarded		
	2021 11 08	Women TechEU (European Innovation Ecosystems work programme of Horizon Europe) program	Grant not awarded		
	2021 09 15- 2021 11 25	" <u>Baltics & Slovakia ClimAccelerator 2021</u> " supported by Climate-KIC	-		
	2021 02 28 – 2021 05 25	" <u>TechHub</u> " pre-acceleration program, Agency for Science, Innovation and Technology	Team Leader		
	2018 03 01 – now	"Increasing the potential for commercialization of R&D results in the Marine Valley (KORPIS) ", <u>Nr. 01.2.2-CPVA-K-703-01-</u> <u>0016</u> .	Knowledge and technology transfe specialist, innovative busines development specialist		
	2019	Sludge Technological Ecological Progress-increasing the Quality and Reuse of Sewage sludge (<u>STEP</u>). STHB.02.02.00-32-0110/17	Senior Researcher		
	2017 04 01	Training new competencies in LNG for cross-border growth (<u>LNG TRAIN</u> , SBR programme, seed money).	Project manager		
EXPERTISES	from 2017	Expert of Public Institution Lithuanian Business Support Agency (LBSA)			
	from 2020 Expert of the Agency for Science, Innovation and Technology				
OTHER ACADEMIC ACTIVITIES OVER THE	Year	<i>E.g., taught subjects; participation in the doctoral committees; lead for Bach., MSc, PhD final thesis, projects, etc.</i>			
REQUEST TIME	2010– 2018				
		Master's degree: Environmental Engineering Oil & Gas extraction engineering Oil & Gas Terminals and pipelines			
	2010–2022 Lead for 8 Bachelor's and 22 Master's Final Thesis.				
MEMBERSHIP IN THE PROFESSIONAL ASSOCIATIONS	Minister of	the Coordination Council of the STEAM Open Access Center (Orde Education, Science and Sports of the Republic of Lithuania, 14 Jan	uary 2020).		
ASSOCIATIONS		editorial team of the journal of "Environmental Research, enginee ent" since 2014	ring and		

	 Guest Editor of Special Issue "Oil Spills Clean-Up in Marine: Recent Advances, Challenges and Perspectives". Journal of Marine Science and Engineering an Open Access Journal by MDPI.
OTHER INDICATORS	Professional internships, traineeships:
OF QUALIFICATION	 E+ Staff Week: "Rethinking University: Open Education Resources and Digital Scholarship". University of Foggia, Italy. 2022 06 07-11.
	 EU-CONEXUS International Staff Training Week (virtual): "Virtual and Blended Teaching", 2020 11 30 – 2020 12 02.
	- E+ teaching internship "West Pomeranian University of Technology Szczecin", 2019 10 20-24.
	- E+ internship to "University of South-Eastern Norway", Norway. 2019 06 03-06.
	- E+ KA107 internship to "Azerbaijan State Oil and Industry University" (ASOIU), 2019 04 01-05.
	- E+ staff week 209: Global Mindset in Industry, Partnerships and Higher Education, University of South-Eastern Norway", Norway, 2019 06 03-06.
	 SMM "World's #1 Trade Fair for the Maritime Industry, GMEC congress. 2018 09-03-07, Germany.
	 "Erasmus Staff Training Week 2018: Erasmus + K2 projects: Strategic Partnerships and Capacity Buildings". Spain 2018 05 21-25 (Erasmus+).
	 International Staff Training Week <u>"Continuous Connections: Before, During and After TTÜ</u>". Estonia 2018 05 07-11 (Erasmus+).
	- Study visit to "Megastar" LNG driven ship. 2017.05.17, Estonia.
	 2017.05.08-11. Biogas Plant in Lidköping, DFDS Primula Seaways, the Emerson Solutions factory.
	a guided tour around the Port of Gothenburg and a visit to Nya Älvsborg Emission Measurement Station. Sweden.
	Trainings:
	- Blue Growth Leaders Academy (Certificate No. 031, 2021-06-30) (100 hours), 2020-2021.
	- IP Management and the Commercialization, (Certificate No. 04396) (64 hours), 2021.
	- Evaluating research outputs/ technology 'disclosures'- Understanding evaluation criteria (3,5 val.), 2019.
	- Promoting technology to potential licensees and collaborators – seeking market feedback (3,5 val.), 2019.
	 Baltic Gender H2020 Project Workshop "Gender equality and gender-conscious teaching in science", Kiel (Germany), 2019 02 27 03 01 (18 hours).
	- Evaluating research outputs/ technology 'disclosures' - Understanding evaluation criteria (3.5 hours). Klaipėda, 2019 06 13.
	- Promoting technology to potential licensees and collaborators – seeking market feedback (3.5 hours). Klaipėda, 2019 06 14.
	 Training for the MITA project "Open Access to Science and Research (MITAP II)" Identifying Opportunities for New Knowledge and Technology Applications in Business and the Public Sector (12 hours). Klaipeda. 2018.12.13-14
	 Training: Assessing the Opportunities for the Application of New Knowledge and Technology in Business and the Public Sector "of the MITA Project" Open Access to Science and Research (MITAP II) ". (12 hours). 2018.11. 28, 30.
	 Training for the MITA project "Open Access to Science and Research (MITAP II)" Identifying Opportunities for New Knowledge and Technology Applications in Business and the Public Sector (12 hours). Klaipėda. 2018.10. 15-16.
	 Creativity training for representatives of traditional and creative industries: Design Thinking and Innovation Training. Lectors: Trevor Vaugh and Martin Ryan (Ireland) (12 hours) Klaipėda. 2018.09.26-27.
	 LVPA Information Workshop "Evaluation of R & D Project: Intellect: Common Scientific Business Projects" and "Intellect LT-2"), Klaipeda (2 hours).
	 Training for MITA's Open Access to Science and Research (MITAP II) project High-Tech Products / Prototype Market Research" 2018.06.18-19. (12 hours). Klaipėda.
	- Training for the MITA project Open Access to Science and Research (MITAP II) "Technology Assessment". 2018.04.13. (8 hours). Klaipėda.

 Horizon 2020 programme project leadership training courses <u>"Baltic Gender</u>" Sweden. 2018 02 26-28 (12 hours).
 ITA project "Open Access to Science and Research (MITAP II)" No. 09.3.3-ESFA-V71103 Training "R & D Product / Service and Commercial Management"2017 12 12-13 (12 hours)
- BSR LNG training "The Maritime LNG Training". 2017 11 16. (8 hours), Klaipėda.
- Training "Science and Research Open Access (MITAP II)" by the Research, Innovation and Technology Agency "Technology scouting". 2017. (12 hours). Klaipėda.
Seminars/Conferences:
- DigiGreen 2022 conference, 2022 06 17, Vilnius.
- Business Cooperation on Blue Growth in Europe, 2022 05 10-13, Greece.
- Single-use plastic in Lithuanian and Latvian coastal areas: challenges and solutions. 2021 12 03, online.
- Connected, Efficient & Responsible Ports : how can EUCONEXUS contribute? 2021 11 08-11, La Rochelle.
- 4th Greentech in Shipping Forum. 2021 10 19-20, online.
- EIC Women Leadership Programme Launching Event. 2021 10 12, online.
- Women in biotech 2021: women empower teams today. 2021 09 29, online.
- Klaipeda Manifesto: Nordic-Baltic Blue Economy Opportunities, 2021 09 23-24. Klaipeda.
- Climate Launchpad European Final 2021. 2021 09 28, online.
- World Circular Economy Forum 2021. 2021 09 13-14, online.
- Green digital passport: Product traceability to create circular material loop, 2021 09 14, online.
- DNV's Energy transition outlook 2021, 2021 09 01, online.
- Europos horizonto informacinė diena. 2021 07 27, online.
- Švariosios technologijos – raktas į nulinę taršą. 2021 05 19, online.
- Technologijos plėtros projektai – mokslo ir verslo bendradarbiavimas. 2021 05 18, online.
- DNV Webinar. LNG as ship fuel - Where are we and what comes next? 2021 05 11.
- EIT: Boosting the Innovation Talent and Capacity of Europe, 2021 05 06.
- Cool gas as an energy source for shipping, 2021 04 08.
- EIC Accelerator - evaluation of the projects and requirements for the evaluators, 2021 03 24.
- Journey to the Offshore Wind - the UK's Experience. 2021 03 16.
- Ocean Stars Masterclass, Ocean Industry Forum Oslofjord, 2021 03 12.
- Lithuanian Business Forum, 2021 03 02-05.
- Understanding where ammonia fits in webinar, 2021 02 11, online.
- Launch of Horizon Europe, 2021 02 02, online.
- World Circular Economy Forum. 2020 09 28 – 2020 09 29, online.
- Decarbonization Roadmap: Managing your carbon footprint. 2020 12 08, online.
- Virtual Workshop: Offshore Klaipeda. 2020 11 11, online.
- Baltic Sea Region. Towards Sustainable Economic Transformation. 2020 09 28, online.
- WIPO Services and Initiatives. 2020 06 25, online.
- Closing the gap: financing the transition towards an inclusive blue economy. 2020 06 10, online
- The 2nd Baltic Blue Biotechnology Alliance matchmaking event. 2020 06 04, online.
- The status and acceleration of green technology innovation in Europe and beyond. 2020 05 05, online.
- Diversity and Inclusion in Energy. Strategies for an industry moving towards equality. 2020 03 1
- Blue Platform: Mapping perspectives of the blue bio-economy in the Baltic States. 2020 01 26, online.
- Blue Biotechnology pitching and match-making event Helsinki (Finland). 2020 01 23 – 2020 01 24.
- Baltic Offshore Wind Transmission. 2020 11 24, online.
- Conference and matchmaking event: Baltic Clean Technology. 2020 11 19, online.

-	Alternative fuels. 2020 10 15, online.
-	Bio-based Industries. Fast Forward. 2020 09 17, online.
-	Raw Materials key innovation and growth in the post-covid world. 2020 09 16, online.
-	"Klaipėda LNG Forum". 2019 05 15-16, Klaipėda.
-	Vilnius International Energy Forum. 2018 11 06, Vilnius.
-	Participation in the meeting organized by the Lithuanian LNG Cluster with the US Ambassador in Lithuania Mrs. Anne Hall, 2018 10 19.
-	LVPA seminar "EU investments in business regions"2018 10 19.
-	IQ forum: Western Power 2018. 2018 10 04. Klaipeda.
-	LVPA Information Workshop "Evaluation of R & D Project: Intellect: Common Scientific Business Projects "and" Intellect LT-2 "). 2018 09 14. Klaipeda.
-	Bilateral High-level Forum on Sustainable Energy. 2018 06 15, Vilnius.
-	AESIS-Elsevier webinar "University-Business alliances leading to societal impact", 2018 05 01.
-	"Emerson Innovation Day". 2018 04 24, Klaipėda.
-	"TRA 2018: A Digital ERA for Transport - Solutions for Society, Economy and Environment", 2018 04 16-19 d. Austria.
-	Internationalisation Conference, Study Visit and Matchmaking Event "LNG: BEST FUEL of the FUTURE", 2018 04 10-12 d. Bergen (Norway).
-	"New Clean Energy Opportunities in the Baltic Sea Region", 2018 03 01. Klaipėda.
-	BSR LNG Cluster B2B event. 2017 11 15, Klaipėda.
-	Vilnius International Energy Forum. 2017 11 08, Vilnius.
-	International Conference: LNG as a source of energy and fuel for transport in the Baltic Sea Region. 2017 05 17-18, Estonia.
-	International Conference: Go LNG – Building LNG competence and business partnership for the Baltic Sea Region. 2017 04 26-27, Vilnius, Lithuania.

SELFASSESSMENT OF FOREIGN LANGUAGE PROFICIENCY*

	Speaking		Writing
ng Reading	Spoken interaction	Spoken production	Writing
C2	C2	C2	C2
C2	C2	C2	C2
ר 	C2	C2 C2	Reading interaction Spoken production C2 C2 C2

*Common European Framework of Reference for Languages – The self-assessment grid: 1 level: A1 and A2 – basic user, 2 level: B1 and B2 – independent user; 3 level: C1 and C2 – proficient user (http://www.coe.int/t/dg4/education/elp/elp-reg/Source/assessement grid/assessment grid lithuanian.pdf

Tatjana Paulauskiene 2022 08 30