

Zhu, Linyan

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Citations (google scholar): 1637

Professional Profile

I lead an emerging research direction at Department of Environmental Science on suspect and non-target screening of environmental contaminants using high-resolution mass spectrometry and recognized as expert in non-target screening at international level. My research connects advanced analytical chemistry with exposure assessment and chemical risk prioritization across Arctic, indoor, wildlife, human-related, and urban water environments. This work advances non-target screening as an early-warning approach for emerging chemical risks and supports more effective monitoring, regulation, and environmental and human health protection. I have extensive experience in interdisciplinary collaboration with universities, government authorities, and research institutes across Europe, North America, and Asia.

Career Development and Vision

Since joining Aarhus University as a postdoctoral researcher, I have progressed to Assistant Professor and developed increasing scientific independence through a strong publication record, leadership roles in major national and international projects, project coordination, supervision, and international collaboration. I am now ready to advance to the next career stage by consolidating this foundation into an independent, externally funded research programme and a growing research team. My future work will advance into three connected areas: AI-assisted suspect and non-target screening for more efficient chemical discovery; integrated environmental monitoring and chemical risk assessment; and omics-based approaches linking chemical exposure with biological responses. I also aim to lead interdisciplinary partnerships and mentor early-career researchers.

Career

2023-present	Assistant Professor	Aarhus University, Denmark
2020-2023	Postdoctoral fellow	Aarhus University, Denmark
2019-2020	Postdoctoral fellow	Paul Scherrer Institute, Switzerland
2018-2019	Postdoctoral fellow and lab manager	University of Maryland, USA

Education

2012-2017	Ph.D (Dr. rer. nat.), Environmental Science (Germany) Institute for Environmental Research (BioV), RWTH-Aachen University; Advisor: Prof. Henner Hollert Department of Analytical Chemistry, Forschungszentrum Jülich; Advisor: Dr. Stephan Küppers
2008-2011	Master (M. Eng.), Environmental Science (China) Department of Environmental Science and Engineering, Tongji University
2004-2008	Bachelor (B. Eng.), Environmental Engineering (China) Department of Energy and Environment, Southeast University

Grants

Leading roles:

- 2026-2029 **Task leader, *NITRIFEKT*.** Danish Agency for Green Transition and Aquatic Environment (SGAV). AU budget: DKK 2.8 million.
Environmental fate assessment of nitrification inhibitors, including chemical analysis, non-target screening, and evaluation of formulation-dependent persistence and transformation.
- 2024-2028 **Task leader (T4.1) and Core Team Member (T3.1), *ArcSolution*:** Arctic Pollution in a One Health Perspective-from Complex Challenges to Sustainable Solutions. Horizon Europe. AU budget: DKK 6 million.
Leading and coordinating T4.1 on sample preparation and chemical analysis; defining and coordinating activities across international partners; organizing task meetings and monitoring progress and milestones; harmonizing analytical workflows and data reporting; coordinating the preparation, integration, and timely submission of task deliverables; and contributing to the planning and implementation of T3.1 activities.

Key contributors:

- 2026 **Core team member, *Pryolyseprojektet*:** Analyseprogram for emissioner fra biogasanlæg og pyrolyseanlæg, Miljøstyrelsen, AU budget: DKK 850,000.
Leading task in LC- and GC-HRMS non-target screening to identify previously uncharacterized particulate and semi-volatile organic emissions from the pyrolysis facility.
- 2025-2028 **Core team member, *PFAS SUS*.** Danish PFAS Research Centre. AU budget: DKK 2.1 million.
Leading a WP1 task to prepare a review paper on PFAS non-target screening methods, including coordinating contributions and manuscript development. Contributing expertise in PFAS suspect and non-target screening, including analytical workflow development, data interpretation, and identification of emerging PFAS.
- 2024 **Core team member, *NAMMINE*:** Non-Target Analysis of Marine Mammals in the Nordic Environment. Nordic Council of Ministers. Total budget: DKK 400,000.
Leading non-target screening and interpretation of chemical profiles in marine-mammal tissues from Nordic and Arctic environments; integrating results across species and regions; and contributing to project reporting and scientific publication.
- 2020-2025 **Core team member, *AMAP Core—Emerging Contaminants*.** Danish Ministry of Environment and Gender Equality. Total budget: DKK 950,000.
Leading suspect and non-target screening of contaminants of emerging Arctic concern in air, biota, and human samples; coordinating analytical activities and data interpretation; and contributing scientific evidence to Arctic contaminant assessments, project reports, peer-reviewed publications, and communication with environmental authorities.
- 2022-2029 **Core team member – *PARC*,** Partnership for the Assessment of Risks from Chemicals (Horizon Europe, AU ENVs budget 21M DKK)
Contributing to suspect and non-target screening and high-resolution mass-spectrometry data analysis across Tasks 4.2, 4.3, and 8.2; participating in task meetings and the planning and coordination of research activities; and leading the preparation of a scientific publication within Task 4.2, including coordinating co-author contributions, integrating results, and managing manuscript development. Supporting task leaders with design, planning and coordinating large research activities (~ 30 participants)

Team members:

- 2026-2030 **Team member, *AIREA*:** European Network of Excellence for AI-Enabled Agricultural and Environmental Pollution Science. Horizon Europe. AU budget: €1.1 million.
Non-target screening data for AI-driven pollution attribution, ecotoxicology and autonomous monitoring.
- 2026-2027 **Team member, *PFAS intervention*:** Intervention against PFAS exposure of office workers in chrome plating companies, Danish PFAS Research Centre. Total budget: DKK 1.4 million.
Contributing to targeted and non-target analysis to characterize occupational PFAS exposure.
- 2025-2031 **Team member, *EMBARQ*:** Evaluating Microbiome-Based Applications for Risk Quantification. Novo Nordisk Foundation. Total budget: DKK 60 million.
Providing analytical-chemistry expertise to investigate chemical–microbiome interactions and support microbiome-based approaches to chemical risk assessment.
- 2024-2028 **Team member, *Path4Med*:** Team Member – Path4Med: Demonstrating Innovative Pathways Addressing Water and Soil Pollution in the Mediterranean Agro-Hydro-System. Horizon Europe.
- 2022-2026 **Team member, *InChildHealth*:** Identifying Determinants of Indoor Air Quality and Evaluating Their Effects in Environments Occupied by Schoolchildren. Horizon Europe. AU budget: DKK 5.25 million.
- 2021-2025 **Team member, *MULTISOURCE*:** Modular Tools for Integrating Enhanced Natural Treatment Solutions in Urban Water Cycles. Horizon Europe.
Assessing emerging contaminants in nature-based urban-water treatment systems using GC-HRMS.
- 2016-2021 **Team member, *CONSERVE Center of Excellence*.** U.S. Department of Agriculture, National Institute of Food and Agriculture; University of Maryland. Total budget: USD 10 million.
- 2015-2021 **Team member, *SIGN*:** Sino-German Water Supply Network—Clean Water from Source to Consumer. German Federal Ministry of Education and Research.
- 2012-2015 **Team member, *Yangtze-Hydro*:** Water Quality in the Three Gorges Reservoir. German Federal Ministry of Education and Research.

Research Network

- Since 2020 **NORMAN:** Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances
- Regular WG3 Effect-directed analysis for hazardous pollutants identification and cross-working group non-target screening meetings
 - Joint interlaboratory trials
 - NORMAN non-target screening guidelines
- Since 2013 **SETAC:** Society of Environmental Toxicology and Chemistry
- Regular presentations at SETAC conferences

Teaching and supervision

- 2023 **Pedagogical education,** Aarhus University
- 2025-2026 **Tutor,** Master of Chemical Risk Assessment (MRA) program, Aarhus University and University of Saskatchewan

Main supervision:

- 2026 Milana Andrejeva, student helper
- 2025 Kaoutar El Yaouti El Bouyakoubi, Erasmus Mundus Joint Masters, *Thesis: Optimization and comparison of several extraction methods for determining Perfluoroalkyl substances in soil matrices using liquid chromatography-mass spectrometry*, Universitat Rovira i Virgili Campus Sescelades
- 2024 Allison Jimenez Nieto, Erasmus Mundus Joint Masters, *Thesis: Method development and analysis of flame retardants in human serum samples using GC-MS*, University of the Basque Country

Co-supervision:

- 2026 Saeed Dehestaniathar, Postdoc; Adèle Dujardin, Intern
- 2024 YiLin Fu, Master student, Sino-Danish Centre
- 2022 Nicolas Pala, visiting PhD; Christina Hopf, Visiting master student, Aarhus University
- 2011 Maohua Pan, Tongji University

Publications

First author and co-author of 20+ peer-reviewed papers in leading journals, including Environmental International, Environmental Pollution, Water Research, Journal of Hazard Materials, and Environmental Science & Technology.

- Zhu, L.**, Bossi, R., Carvalho, P. N., Dietz, R., Sonne, C., Søndergaard, J., & Vorkamp, K. (2026). Target and semi-quantitative non-target analysis of per- and polyfluoroalkyl substances (PFAS) in Arctic animals. *Journal of Hazardous Materials*, 511, 142173. (IF 11.3)
- Rekar, Ž., De Santo, R., Stevanović, S., Plesnik, H., Moufawad, T., Antignac, J.-P., Habchi, B., Ndaw, S., Vorkamp, K., **Zhu, L.**, Jamin, E., Iamiceli, A. L., & Kosjek, T. (2026). Supramolecular solvent (SUPRAS)-based extraction as a complementary strategy for urinary exposome profiling. *ACS Measurement Science Au*. Submitted (IF 9.0)
- Moufawad, T., Ayeni, K., Baira, E., Baudry, C., Belova, L., Chaker, J., Chalet, C., Covaci, A., Damont, A., David, A., Fernandez, M., Habchi, B., Huber, C., Jadé, G., Kosjek, T., Krauss, M., Laurentie, M., Ndaw, S., Nijssen, R., Oberacher, H., Plesnik, H., Rekar, Ž., Rizzo, S., Salamanca-Fernandez, E., Termentzi, A., Vorkamp, K., Warth, B., **Zhu, L.**, Kasiotis, K. M., Le Bizec, B., Lamoree, M., & Antignac, J.-P. (2026) Comparing Suspect and Non-Targeted Screening Workflows for Perinatal Chemical Exposome Analysis: A European Interlaboratory Study from the PARC EU Project. *Environ. Sci. Technol.* Submitted (IF 12.2)
- Zhu, L.**; Rasmussen, S. L.; Carvalho, P. N.; Hansen, L. I. K.; Nielsen, J. L.; Pertoldi, C.; Roslev, P.; Vorkamp, K., (2026). Non-Target Screening of Chemicals of Emerging Concern in European Hedgehogs (*Erinaceus Europaeus*) in Denmark. (Preprint). <https://doi.org/10.2139/ssrn.6303020>.
- Zhu, L.**, Bossi, R., Carvalho, P. N., Rigét, F. F., Christensen, J. H., Weihe, P., Bonefeld-Jørgensen, E. C., & Vorkamp, K. (2024). Suspect and non-target screening of chemicals of emerging Arctic concern in biota, air and human serum. *Environmental Pollution*, 360, 124605. (IF 8.88, Citations 12)
- Zhu, L.**, Chattopadhyay, S., Elijah Akanbi, O., Lobo, S., Panthi, S., Malayil, L., Craddock, H. A., Allard, S. M., Sharma, M., Kniel, K. E., Mongodin, E. F., Chiu, P. C., Sapkota, A., & Sapkota, A. R. (2023). Biochar and zero-valent iron sand filtration simultaneously removes contaminants of emerging concern and *Escherichia coli* from wastewater effluent. *Biochar*, 5(1), 41. (IF 13.5, Citations 15)
- Zhu, L.**, Hajeb, P., Fauser, P., & Vorkamp, K. (2023). Endocrine disrupting chemicals in indoor dust: A review of temporal and spatial trends, and human exposure. *Science of the Total Environment*, 874, 162374. (IF 8.2, Citations 115)

8. **Zhu, L.**, Fauser, P., Mikkelsen, L., Sanderson, H., & Vorkamp, K. (2023). Suspect and non-target screening of semi-volatile emerging contaminants in indoor dust from Danish kindergartens. *Chemosphere*, 345, 140451. (IF 8.1, Citations 10)
9. Dürig, W.; Lindblad, S.; Golovko, O.; Gkotsis, G.; Aalizadeh, R.; Nika, M.-C.; Thomaidis, N.; Alygizakis, N. A.; Plassmann, M.; Haglund, P.; Fu, Q.; Hollender, J.; Chaker, J.; David, A.; Kunkel, U.; Macherius, A.; Belova, L.; Poma, G.; Preud'Homme, H.; Munschy, C.; Aminot, Y.; Jaeger, C.; Lisec, J.; Hansen, M.; Vorkamp, K.; **Zhu, L.**; Cappelli, F.; Roscioli, C.; Valsecchi, S.; Bagnati, R.; González, B.; Prieto, A.; Zuloaga, O.; Gil-Solsona, R.; Gago-Ferrero, P.; Rodriguez-Mozaz, S.; Budzinski, H.; Devier, M.-H.; Dierkes, G.; Boulard, L.; Jacobs, G.; Voorspoels, S.; Rüdél, H.; Ahrens, L. (2023). What Is in the Fish? Collaborative Trial in Suspect and Non-Target Screening of Organic Micropollutants Using LC- and GC-HRMS. *Environ Int*, 181, 108288. (IF 10.3, Citations 13)
10. Hollender, J.; Schymanski, E. L.; Ahrens, L.; Alygizakis, N.; Béén, F.; Bijlsma, L.; Brunner, A. M.; Celma, A.; Fildier, A.; Fu, Q.; Gago-Ferrero, P.; Gil-Solsona, R.; Haglund, P.; Hansen, M.; Kaserzon, S.; Krueve, A.; Lamoree, M.; Margoum, C.; Meijer, J.; Merel, S.; Rauert, C.; Rostkowski, P.; Samanipour, S.; Schulze, B.; Schulze, T.; Singh, R. R.; Slobodnik, J.; Steininger-Mairinger, T.; Thomaidis, N. S.; Togola, A.; Vorkamp, K.; Vulliet, E.; **Zhu, L.**; Krauss, M. (2023). NORMAN Guidance on Suspect and Non-Target Screening in Environmental Monitoring. *Environ Sci Eur*, 35 (1), 75. (IF 6.44, Citations 314)
11. Hajeb, P., **Zhu, L.**, Bossi, R. & Vorkamp, K. (2022). Sample preparation techniques for suspect and non-target screening of emerging contaminants. *Chemosphere*, 287, 132306. (IF 8.9, Citations 161)
12. **Zhu, L.**, Jiang, C., Panthi, C., Sapkota, A.R. and Sapkota, A. (2021). Impact of high precipitation and temperature events on the distribution of emerging contaminants in surface water in the Mid-Atlantic, USA. *Science of the Total Environment*, 755, 2, 142552. (IF 10.75, Citations 61)
13. Boyle, M.D., Kavi, L.K., Louis, L.M., Pool, W., Sapkota, A., **Zhu, L.**, Pollack, A.Z., Thomas, S., Rule, A.M., Quirós-Alcalá, L. (2021). Occupational Exposures to Phthalates among Black and Latina U.S. Hairdressers Serving an Ethnically Diverse Clientele: A Pilot Study. *Environ. Sci. Technol*, 55, 8128–8138. (IF 11.357, Citations 28)
14. Allotey, J. A.; Boyle, M.; Sapkota, A.; **Zhu, L.**; Peng, R. D.; Garza, M. A.; Quirós-Alcalá, L. (2021). Determinants of Phthalate Exposure among a U.S.-Based Group of Latino Workers. *Int J Hyg Environ Health*, 234, 113739. (IF 7.4, Citations 9)
15. Shao, Y., **Zhu, L.**, Thalmann, B., Hollert, H. Zhou, S. and Seiler, T.-B., Evidence of increased estrogenicity upon metabolism of Bisphenol F - Elucidation of the key metabolites, *Science of The Total Environment* 2021, 787, 147669. (IF 10.75, Citations 33)
16. **Zhu, L.**, Shao, Y., Alert, H., Xiao, H., Santiago-Schübel, B., Hollert, H. and Küppers, S. (2018). Electrochemical simulation of triclosan metabolism and toxicological evaluation. *Science of the Total Environment*, 622-623: 1193-1201. (IF 5.589, Citations 45)
17. Zhu, J.; Zhu, Z.; Zhang, H.; Lu, H.; Zhang, W.; Qiu, Y.; **Zhu, L.**; Küppers, S. (2018). Calcined Layered Double Hydroxides/Reduced Graphene Oxide Composites with Improved Photocatalytic Degradation of Paracetamol and Efficient Oxidation-Adsorption of As(III). *Appl Catal B*, 225, 550–562. (IF 14.229, Citations 134)
18. Di, G.; Zhu, Z.; Zhang, H.; Zhu, J.; Lu, H.; Zhang, W.; Qiu, Y.; **Zhu, L.**; Küppers, S. (2017). Simultaneous Removal of Several Pharmaceuticals and Arsenic on Zn-Fe Mixed Metal Oxides: Combination of Photocatalysis and Adsorption. *Chemical Engineering Journal*, 328, 141–151. (IF 7.2, Citations 140)
19. **Zhu, L.**, Santiago-Schübel, B., Xiao, H., Hollert, H., Küppers S. (2016). Electrochemical oxidation of fluoroquinolone antibiotics: mechanism, residual antibacterial activity and toxicity change. *Water research.*, 102: 52-62. (IF 12.4, Citations 223)

20. Zhu, J., Zhu, Z., Zhang, H., Lu, H., Qiu, Y., **Zhu, L.**, & Küppers, S. (2016). Enhanced photocatalytic activity of Ce-doped Zn-Al multi-metal oxide composites derived from layered double hydroxide precursors. *Journal of Colloid and Interface Science*, 481, 144-157. (*IF 9.7, Citations 95*)
21. Lu, H., Zhu, Z., Zhang, H., Zhu, J., Qiu, Y., **Zhu, L.**, Küppers, S. (2016). Fenton-Like Catalysis and Oxidation/Adsorption Performances of Acetaminophen and Arsenic Pollutants in Water on a Multimetal Cu-Zn-Fe-LDH. *ACS Applied Materials and Interfaces*, 8(38), 25343-25352. (*IF 8.2, Citations 129*)
22. **Zhu, L.**, Santiago-Schübel, B., Xiao, H., Thiele, B., Zhu, Z., Qiu Y., Hollert, H., Küppers S. (2015). An efficient laboratory workflow for environmental risk assessment of organic chemicals. *Chemosphere*, 131: 34-40. (*IF 3.698, Citations 23*)
23. **Zhu, L.**, Zhu, Z. L., Qiu, Y. L., Zhang, R. H. (2014). Synthesis of As(V)-Cr(III) Co-Imprinted Polymer and Its Adsorption Performance for Arsenate Species. *Separation Science and Technology (Philadelphia)*, 49(10), 1584-1591. (*IF 1.906, Citations 12*)
24. Pan, M., Zhu, Z., **Zhu, L.**, Qiu, Y., Zhang, R. (2014). Synthesis of magnetic As(V)-imprinted polymers and their adsorption performances for arsenate in water solutions. *Fresenius Environmental Bulletin*, 23(1), 122-129. (*IF 0.434, Citations 3*)
25. **Zhu, L.**, Zhu, Z., Zhang, R., Jun, H., Qiu, Y., (2011). Synthesis and adsorption performance of lead ion-imprinted micro-beads with combination of two functional monomers. *Journal of Environmental Sciences*. 23(12): 1955-1961. (*IF 6.3, Citations 41*)

Book chapters

26. Müller, Y. & **Zhu, L.** & Crawford, S.E. (Shared first author), Küppers, S., Schiwy, S., Hollert, H., 2016. The Utility of Exposure and Effect-Based Analysis in the Ecotoxicological Assessment of Transformation Products. In: Drewes J.E. and Letzel T., *Assessing Transformation Products of Chemicals by Non-Target and Suspect Screening – Strategies and Workflows Volume 2*, American Chemical Society, ACS book Chapter 5, pp 89-109.
27. Küppers, S.; der Beek, T. aus; Chu, W.; Dong, B.; Dahlhaus, A.; Hollert, H.; Hua, J.; Hua, W.; Jia, Y.; Li, L.; Lutze, H.; Moldaenke, C.; Qin, Y.; Schmidt, W.; Staaks, C.; Stange, C.; Yin, D.; Zhao, J.; Zheng, B.; **Zhu, L.**; Zou, H.; Tiehm, A. *Fostering Water Treatment in Eutrophic Areas: Innovative Water Quality Monitoring, and Technologies Mitigating Taste & Odor Problems Demonstrated at Tai Hu BT - Urban Water Management for Future Cities: Technical and Institutional Aspects from Chinese An*; Köster, S., Reese, M., Zuo, J., Eds.; Springer International Publishing: Cham, 2019; pp 91–110.

Reports

1. Fauser, P., **Zhu, L.**, Bossi, R., & Vorkamp, K. (2025). Contribution of different exposure pathways to the total human exposure to PFAS. <https://www2.mst.dk/Udgiv/publications/2025/03/978-87-7038-727-9.pdf>
2. Larsen, M. M., Bossi, R., **Zhu, L.**, & Vorkamp, K. (2024). Suspect and non-target screening in environmental monitoring. Suggestions for indicator based on non-target analysis. Aarhus University, DCE - Danish Centre for Environment and Energy. Teknisk rapport fra DCE - Nationalt Center for Miljø og Energi No. 321
3. Fauser, P., **Zhu, L.**, Sanderson, H., Jensen, S., Bøgevik, A. S., & Vorkamp, K. (2022). Chemical additives in weathered microplastic in the marine environment occurrence and risk: occurrence and risk. Nordisk Ministerråd. TemaNord Vol. 2022 No. 520

<https://www.norden.org/en/publication/chemical-additives-weathered-microplastic-marine-environment>.

4. Fauser, P., **Zhu, L.**, Sanderson, H., Mikkelsen, L., & Vorkamp, K. (2022). Non-target screening - identifikation af nye kemikalier i indemiljøet. Aarhus University, DCE - Danish Centre for Environment and Energy. Videnskabelig rapport fra DCE - Nationalt Center for Miljø og Energi No. 493 <https://dce2.au.dk/pub/SR493.pdf>

Papers in international proceedings

1. Vorkamp, K., Viegas, C., Almeida, M., Aretaki, M. A., Bossi, R., Castagnoli, E., Cervantes, R., Desmet, J., Diapouli, E., Domínguez, A., Fabian, C. M., Fauser, P., Ferguson, R. M. W., Haverinen-Shaughnessy, U., Hugg, T., Kuurola, P., Lazaridis, M., Massling, A., Paciência, I., Pena, P., Rantala, A. K., Schaefer, T., Viana, M., Vornanen-Winqvist, C., **Zhu, L.** & Salonen, H., , 2024, 18th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2024 - Conference Program and Proceedings. International Society of Indoor Air Quality and Climate

Invited talks

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| 2026 September | Zhu, L. , Identification of Chemicals of Emerging Arctic Concern with Suspect and Non-Target Screening Approaches. ENVP 2026, Copenhagen Denmark, 28 th September 2026 |
| 2026 May | Zhu, L. , Rehnstam, S., Ahrens, L., Harju, M., Rostkowski, P., Sondergaard, J., Vorkamp, K., Non-target screening of chemicals of emerging concern in marine mammals in the Nordic environment. ESAC: Executive Seminars in Analytical Chemistry, Copenhagen Denmark, 7 th May 2026 |

Presentations

Oral Presentations:

1. **Zhu, L.**, Rehnstam, S., Ahrens, L., Harju, M., Rostkowski, P., Sondergaard, J., Vorkamp, K., Non-target screening of chemicals of emerging concern in marine mammals in the Nordic environment. SETAC Europe 35th Annual Meeting in Vienna, Austria from 11 -15 May 2025.
2. Vorkamp, K.; Bossi, R., **Zhu, L.**; Fauser, P. PFAS eksponering –bidrag fra forskellige eksponeringskilder. ATV meeting 19th November 2025 Copenhagen Denmark.
3. **Zhu, L.**, Bossi, R., Carvalho, P. N., Rigét, F. F., Christensen, J. H., Weihe, P., Bonefeld-Jørgensen, E. C., Vorkamp, K., Suspect and Non-target Screening of Emerging Contaminants in the Arctic Environment. Nontarget Analysis for Environmental Risk Assessment SETAC Focused Topic Meeting in Durham, NC, USA from 22 - 26 May 2022.
4. **Zhu, L.**, Fauser, P., Mikkelsen, L., Sanderson, H., Vorkamp, K. Suspect and Non-Target Screening of Organic Contaminants in Indoor Dust from Danish Kindergartens Using GC -Orbitrap, SETAC Europe 32nd Annual Meeting from 15-19 May 2022.
5. **Zhu, L.**; Santiago-Schübel, B.; Xiao, H.; Hollert, H.; Küppers, S., Electrochemical oxidation of fluoroquinolone antibiotics: Mechanism, residual antibacterial activity and ecotoxicity. SETAC Europe 26th Annual Meeting: 22-26 May 2016, Nantes.
6. Vorkamp, K.; **Zhu, L.**; Monclus, L.; Strand, J.; Wagner, M.; Søndergaard, J. Plastic chemicals in tissues of Arctic animals with and without ingested plastics. Arctic Plastics Conference, Reykjavik, 20-22 October 2026

Poster Presentations:

7. **Zhu, L.**; Monclús, L.; Søndergaard, J.; Strand, J.; Wagner, M.; Vorkamp, K., Suspect screening of Plastic Chemicals in Plastics and Tissues from Arctic Marine Wildlife. SETAC Europe 36th Annual Meeting from 17–21 May 2026 in Maastricht, the Netherlands.
8. **Zhu, L.**, Bossi, R., Carvalho, P. N., Rigét, F. F., Christensen, J. H., Weihe, P., Bonefeld-Jørgensen, E. C., Vorkamp, K., Suspect and Non-target Screening of Contaminants of Emerging Arctic Concern. NORMAN Nontarget Screening (NTS) - Analytical Techniques and Implementation, in Odense, Denmark from November 29–30, 2022.
9. Boyle, M., **Zhu, L.**, Quiros-Alcala, L. et al. Occupational exposures to phthalates among U.S. hairdressers primarily serving an ethnically diverse clientele. ISESISIAQ 2019, Kaunas, Lithuania. (Poster Presentation)
10. Boyle, M., **Zhu, L.**, Quiros-Alcala, L. et al. A Pilot Study on Occupational Exposures to Phthalates Among U.S. Hairdressers Primarily Serving an Ethnically Diverse Clientele. Public Health Research at Maryland, 2019.
11. **Zhu, L.**, Kueppers, S., et al. Risk assessment of fluoroquinolone antibiotics in the environment by using electrochemical simulation and toxicity tests. 25th Annual Meeting SETAC Europe: 3-7 May 2015, Barcelona.
12. **Zhu, L.**, Kueppers, S., et al. An efficient laboratory workflow for environmental risk assessment of organic chemicals. ElCheMS 3: 3rd International Workshop on Electrochemistry/Mass Spectrometry, 2015, Münster, Germany.
13. **Zhu, L.**, Kueppers, S., et al. First step to a prediction model for suitability of electrochemical water treatment for persistent chemicals. Electrochemistry 2014, Mainz, Germany.
14. Bollmann, U. E.; Gözdereliler, E.; **Zhu, L.**; Albers, C. N., Fate of Nitrification Inhibitors DMPP and Nitrapyrin in Agricultural Soils – Combination of Lab and Field Study. SETAC Europe 36th Annual Meeting from 17–21 May 2026 in Maastricht, the Netherlands.
15. Moufawad, T.; Ayeni, K.; Baira, E.; Belova, L.; Chaker, J.; Chalet, C.; Covaci, A.; Damont, A.; David, A.; Fernandez, M.; Habchi, B.; Huber, C.; Kosjek, T.; Krauss, M.; Ndaw, S.; Nijssen, R.; Oberacher, H.; Plesnik, H.; Rekar Zan, T.; Salamanca-Fernandez, E.; Termentzi, A.; Vorkamp, K.; Warth, B.; **Zhu, L.**; Le Bizec, B.; Lamoree, M.; Antignac, J.-P., Characterising Human Perinatal Chemical Exposome with Innovative Suspect and Non-Targeted Screening: Results from the PARC EU Interlaboratory Trial and Real-Case Study. SETAC Europe 36th Annual Meeting from 17–21 May 2026 in Maastricht, the Netherlands.
16. Rekar, Ž.; De Santo, R.; Stevanović, S.; Plešnik, H.; Moufawad, T.; Antignac, J.-P.; Habchi, B.; Ndaw, S.; Vorkamp, K.; Zhu, L.; Jamin, E. L.; Iamiceli, A. L.; Kosjek, T.. Evaluation of supramolecular solvent (SUPRAS)-based extraction as an alternative to solid phase extraction (SPE) for extended urinary exposome profiling. ASMS Conference on Mass Spectrometry and Allied Topics from May 31 - Jun 4, 2026, at San Diego Convention Center, San Diego, California.
17. Huynh, N.; Aït-Aïssa, S.; Alygizakis, N.; Assoumani, A.; Białk-Bielińska, A.; Châtillon, E.; Coureau, C.; Dervilly, G.; El-Mais, A.-E.-R.; Kosjek, T.; Krauss, M.; López, A.; Macorps, N.; Niarchos, G.; Příbylová, P.; Putz, K.; Schluesener, M.; Soulier, C.; Thorsén, G.; **Zhu, L.**; Thomaidis, N.; Vorkamp, K.; Dulio, V. Suspect Screening of Endocrine Disruptive Compounds (EDCs) in the European Environment. SETAC Europe 35th Annual Meeting in Vienna, Austria from 11 -15 May 2025.
18. Brouwer, H. J., Chervet, J.-P., **Zhu, L.**, Küppers, S., Electrochemical Simulation of Triclosan Metabolism and Toxicological Evaluation. 67th American Society for Mass Spectrometry Conference (ASMS) on Mass Spectrometry and Allied Topics, 2019, Atlanta, GA, USA.