

# CURRICULUM VITAE

## **Karin Wiberg**

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Date of birth: 2 August, 1959

Citizenship: Swedish

Family circumstances: Married, two children (born 1988 and 1991)

## **UNIVERSITY EDUCATION**

- 1981 Bachelor of Science (BSc) in Public Health and Environmental Protection, Umeå University.
- 1982 Earth Science 20 credits, Umeå University.
- 1984-85 Chemistry 40 credits, Physical chemistry, Inorganic chemistry, Organic chemistry and Biochemistry, Umeå University.
- 1994 Graduate course on HPLC, PhD. Peter Haglund, Umeå University, 7 credits.
- 1995 Graduate course on Mass Spectrometry, 5 credits, Prof. Michael Oehme, University of Basel, Switzerland.
- 1996 Graduate course on Gas Chromatography, 3 credits, Prof. Michael Oehme, University of Basel, Switzerland.
- 1996 Graduate course on "Environmental Pathways", 5 credits, Prof. Donald Mackay, University of Toronto, Canada.
- 1997 Graduate course on "Advanced Environmental Chemistry", 10 credits, Doc. Mats Tysklind, Umeå University.
- 1998 Undergraduate course on "Chemometrics", 10 credits, Umeå University.
- 1999 Undergraduate course on "Analytical Chemistry", 10 credits, Umeå University.
- 2002 Doctor of Philosophy, Faculty of Science and Technology, Environmental Chemistry, Umeå University.
- 2009 Associate Professor (docent) in Chemistry at the Faculty of Science and Technology, Umeå University.

## **PROFESSIONAL EXPERIENCE**

- 1986- Research engineer at the Department of Chemistry, Environmental Chemistry, Umeå University.
- 1994-1995 Research engineer at the Mass Spectrometer Facility, Life Science,

- College of Pharmacy, University of Kentucky, Lexington, KY, USA  
Oct. -94-- July -95.
- 1994-2002 PhD student, Department of Chemistry, Environmental Chemistry, Umeå University, Sweden.
- 1996-1997 Environmental chemist contractor at Atmospheric Environment Services, Downsview, ON, Canada (Sept. -96-Aug. -97).
- 2002-2005 Research Associate (Forskarassistent) within EU financed project GRD1-2001-40002 (DIFFERENCE).
- 2005-2010 Assistant Professor (Forskarassistent), Department of Chemistry, Umeå University.
- 2010 Associate senior lecturer (biträdande/vikarierande universitetslektor), Department of Chemistry, Umeå University (2010-02-01--2010-09-30).
- 2010- Senior lecturer (universitetslektor), Department of Chemistry, Umeå University (2010-2013).
- 2011- Guest professor in Environmental Organic Chemistry, Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences (SLU)
- 2013- Professor (full) in Environmental Organic Chemistry, Department of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences (SLU)**

## EDUCATIONAL AND LEADERSHIP COURSES

- 1998 University pedagogy step I, Oral Presentation 2.5 weeks, Universitetspedagogiskt centrum (UPC), Umeå University.
- 2004-2006 Leadership in the Academia. TN-faculty, Umeå University, 160 hours.
- 2004 Supervision of PhD students 2 weeks, UPC, Umeå University.
- 2005 University pedagogy step II 1.5 weeks, UPC, Umeå University.
- 2015 SLU-Ledarskap (Leadership), 13 days, SLU
- 2015 Betygskurs, 1-day workshop at SLU, obligatory course for examiners at undergraduate level.
- 2019 Management training at SLU (SLU chefsskap)

## TEACHING AT UNDERGRADUATE LEVEL

- Course coordinator, Environmental Chemistry C 10 p (1998-2000)
- Literature project mentor, Environmental Chemistry C 10 p (1994-2001)
- Laboratory supervisor, Environmental Chemistry C 10 p and Environmental Analytical Chemistry C 10p (1997-2001).
- Literature project examiner, Environmental Chemistry C 10 p (1998-2000)
- Course restructuring and development, Environmental Chemistry C, 10 p (2002)
- Development of master program, Swedish School of Environmental Chemistry (SSEC).
- Course development of courses in SSEC-1 and SSEC-2, 2004-2006
- Course development of the Risk Assessment of Environmental Pollutants D, 10 p (2004-2005).
- Course responsibility for Risk Assessment of Environmental Pollutants D, 10 p (2005).

- Lecturer at Environmental Chemistry C 10 p (1997-2003)
- Lecturer at Environmental Analytical Chemistry C 10 p (2005)
- Lecturer at Risk assessment of Environmental Pollutants D, 15 hp (2005, 2010).
- Lecturer at Fundamental of Environmental Chemistry (SSEC-1) 15 hp (2005-)
- Lecturer at Measurements and Modeling (SSEC-2) 15 hp (2006-)
- Lecturer at Chemistry of Organic Pollutants (SSEC-3) 15 hp (2007-)
- Lecturer at Chemistry of Metabolism and Risk Assessment of Environmental Pollutants (SSEC-4) 15 hp (2007-)
- Lecturer at Aquatic Chemistry AB 15 hp (2007-)
- Lecturer at Chemistry for Natural Science Teachers AB 15 hp (2007)
- Lecturer at Basic Chemistry (Kemins grunder), 15 hp (2010-)
- Lecturer at Ecotoxicology 15 hp, SLU, Uppsala, 2011
- Lecturer at Environmental Assessment 15 hp, SLU, Uppsala, 2011-2013
- Lecturer at Environmental Toxicology 7.5 hp, Uppsala University, 2012-2013
- Lecturer at Contaminated Soil 15 hp, Department of Soil and Environment, SLU, 2013-
- Lecturer at Environmental Biogeochemistry 15 hp, Department of Soil and environment, SLU, 2018-
- Lecturer at Risk Assessment of Pollutants in Soils and Waters (MX0124) 5 hp, SLU, 2016
- Lecturer at the PhD course Organic Micropollutants in the Aquatic Environment – Measurements and Transport Processes, 5 hp, 2015, 2018
- Supervisor for 20 p master thesis (Heidi Karlsson), examination 1993.
- Supervisor for 20 p master thesis (Kristina Sundqvist), examination 2002.
- Examiner for 20 p for master thesis (C. Norgren), 2002.
- Examiner for 20 p for master thesis (A. Cicénaité), 2004.
- Deputy supervisor, 20 p master thesis (E. Nilsson), examination 2004.
- Examiner for 20 p for advanced chemistry project work (A. Andersson), 2004.
- Examiner for 10 p for advanced chemistry project work (A. Andersson), 2004.
- Examiner for 20 p master thesis (S. Lindblom), 2006.
- Supervisor for 20 p master thesis (O. Obubulu), examination 2006.
- Supervisor for 30 hp master thesis (S. Jonsson), examination 2007.
- Supervisor for 15+7.5 hp for advanced chemistry project work (I. Sundholm), examination 2007.
- Supervisor for 30 ECT master thesis (A. Larsson), examination 2009.
- Supervisor for 30 ECT master thesis (Mi Nguyen), examination 2009.
- Examiner for 30 ECT master thesis (Do Thanh Lan), 2009.
- Supervisor for 45 ECT master thesis (Seth Newton), 2010-11
- Supervisor for 45 ECT master thesis (Minh Dang Vu), 2010-11
- Examiner for 45 ETC master thesis (Zhe Le), 2010-11
- Examiner for 45 ETC master thesis (Van Anh Le), 2010-11
- Subject reviewer for 30 ETC master thesis (Anna Östlund, Uppsala Univ.), 2014
- Supervisor for 30 ECTS master thesis (Philipp Klöckner, Enveuro and SLU), 2015
- Examiner for 30 ETC master thesis (Nesrin Negm, Enveuro and SLU), 2015
- Subject reviewer for 30 ETC master thesis (Klara Lindegren, Uppsala Univ.), 2015
- Subject reviewer for 30 ETC master thesis (Linda Glimstedt, Uppsala Univ.), 2016
- Examiner for 30 ETC master thesis (Laura Gobelius, Enveuro and SLU), 2016
- Examiner for 30 ETC master thesis (Björn Bonnet, Enveuro and SLU), 2017
- Examiner for 45 ETC master thesis (Miriam Schäfers, SLU), 2017
- Examiner for 30 ETC master thesis (Bo Sha, SLU), 2017

- Examiner for 30 ETC master thesis (Gabriel Dupauls, SLU), 2018

## OTHER TEACHING

Course leader and lecturer for EU-financed course *Exposure Assessment I: Chemical exposure assessment analysis and modelling* within CASCADE: Chemicals as contaminants in the food chain. A Network of Excellence for Research, Risk Assessment, 2009.

## GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS SUPERVISED

### Graduated PhD

Kristina Sundqvist, 2004-2009 University	main supervisor, Umeå
Sarah Josefsson, 2006-2011	main supervisor, Umeå University
Anteneh Taye Assefa, 2009-2015	main supervisor, Umeå University
Minh Anh Nguyen, 2013-2017	main supervisor, SLU
Jakob Gustavsson, 2012-2017	main supervisor, SLU
Conny Danielsson, 2001-2007	deputy supervisor, Umeå University
Matyas Ripzám, 2009-2015	deputy supervisor, Umeå University
Anna Palm, Stockholm Univ. 2007-2013	external member of the PhD committee
Deguo Kong, Stockholm Univ. 2011-2013	external member of the PhD committee

### Graduated Ph Lic

Annika Åberg, 2007- 2009	main supervisor
Anna Apler 2014-2018	deputy supervisor (UU)

### PhD students (ongoing)

Rikard Tröger 2014-	main supervisor (SLU)
Malin Ullberg 2019-	main supervisor (SLU)
Wiebke Durig 2014-	deputy supervisor (SLU)
Mattias Söregård 2016-	deputy supervisor (SLU)
Vera Franke 2016-	deputy supervisor (SLU)
Frank Menger 2016-	deputy supervisor (SLU)

### Postdoctoral fellows

Ylva Persson	2007
Minggang Cai, Xiamen University, China	2006-2007
Lisa Lundin	2009
Stina Jansson	2009
Magnus Bergknut	2008-2010
Sarah Josefsson	2011-2013
Lutz Ahrens	2012-2013
Meritxell Gros	2014-2015
Pablo Gago Ferrero	2016-2018
Anna-Karin Dahlberg	2017-
Oksana Golovko	2017-
Foon Lai Yin	2018-
Bozo Zonja	2020-

#### Host for guest researcher

Terry Bidleman	2001	guest professor, UmU, 4 months,
Terry Bidleman	2011-2012	UmU, Marie Curie fellowship, 24 months
Terry Bidleman	2013	SLU, 3 months
Anastasia Ivanova	2017, 2018-	PhD student Moldavia, 6 + 12 months
Cristina Postigo Rebollo	2018-	guest researcher, SLU, August T Larsson
Christine Baduel	2020-	guest researcher, SLU, August T Larsson
Rebeca Lopez Serna	2018	SLU, 3 months

## **EXTERNAL FUNDING**

### **Research councils as main applicant**

- 2005-2006 **FORMAS** - 1.350 million SEK. Tracking dioxin sources in the Baltic Sea by sediment analysis and receptor modeling.
- 2008-2009 **FORMAS** - 1.375 million SEK. Terrestrial export of persistent organic pollutants (POPs): The importance of organic carbon and spatiotemporal variation.
- 2012-2014 **FORMAS** – 5.6 million SEK. Legacy and emerging POPs in the Swedish forest
- 2013-2018 **FORMAS** – 16 million SEK. SafeDrink: Integrated chemical and toxicological methods for early detection of hazardous chemicals in drinking water.
- 2014-2018 **FORMAS** – 6.254 million SEK + 6.175 million SEK co-financing (of which 4.3 million SEK in cash). APPLICERA: Applicable site-specific environmental risk assessment of contaminated soils.
- 2017-2019 **FORMAS** – 3.0 million SEK. LakePOPs: Mälaren – a lake for millions – but a threatened natural resource for drinking water.

### **Research councils and EU-funding as co-applicant**

- 2007-2008 **EU - SNOWMAN ERANET Coordinated Research Call** - €0.1 million “PERSPEC: Perspectives on mobilization of prioritized contaminants in soil”. Main applicant M. Tysklind, co-applicants: KW, H. Laudon (EMG), M. Bergknut (SLU), K. Jones, C. Hallsal, S. Meijer (University of Lancaster, UK), S. Köhler (Graz University, Austria).
- 2008-2010 **FORMAS -Vinnova** – 4.4 million SEK. In situ capping with carbon sorbents - a new ecologically sustainable technique for sediment remediation. Main applicant: Jonas Gunnarsson, Stockholm University
- 2010-2014 **FORMAS** – Approx. 30 million SEK together with the Linné University (Kalmar). Strong research environment, national strategic venture within the Marine Environment. Ecochange - Ecosystem dynamics in the Baltic Sea in a changing climate perspective. Main applicant: Agneta Andersson, Umeå University.
- 2010-2012 **FORMAS** – 6.075 million SEK, Multi-criteria analysis for identifying sustainable remediation alternatives. Main applicant: Lars Rosén, Chalmers Technical University,
- 2011-2015 **FORMAS** – 25 million SEK, ForWater: A state of the art modeling and decision support system for mitigating the effects of intensified forest

- production and climate change on water quality, strong research environment.  
Main applicant: H. Laudon, SLU.
- 2013-2016 **FORMAS** – 16 million SEK, RedMic: Novel strategies to reduce diffuse emissions of micropollutants from on-site sewage facilities. Main applicant: Patrik Andersson, Umeå University.
- 2014 **Vinnova** – 420 kSEK. Foderproteinproduktion ur organiska restprodukter.  
Main applicant: Björn Vinnerås.
- 2014-2016 **FORMAS** – 7.070 million SEK, TREASURE: Targeting emerging contaminated sediments along the uplifting northern Baltic coast of Sweden for remediation. Main applicant: Ian Snowball, Uppsala University.
- 2016-2018 **FORMAS** – 3.0 million SEK. PFAS-FREE: Innovative treatment techniques for per- and polyfluoroalkyl substances in drinking water. Main applicant: Lutz Ahrens, SLU.
- 2016-2018 **FORMAS**–3.0 million SEK. Blackwater treatment and reuse as agricultural fertilizer: fate and behavior of pharmaceuticals, antibiotic resistance genes and evaluation of environmental risks. Main applicant: Meritxtell Gros, SLU
- 2016-2018 **Vinnova** – 5.0 million SEK. PFAS-PURE: Innovative treatment techniques for per- and polyfluoroalkyl substances in soil and groundwater. Main applicant: Lutz Ahrens, SLU
- 2016-2018 **EU Interreg** – €3.5 million (714 331€ is self-financed) – NonHazCity: Innovative management solutions for minimizing emissions of hazardous substances from urban areas in the Baltic Sea Region. Main applicant: Tonie Wickman, Stockholm municipality.
- 2017-2019 **Vinnova** - 5.0 million SEK. FIBREM: Remediation of Sweden’s fiberbank sediment – Planning ahead. Main applicant: Ian Snowball, Uppsala University.
- 2017-2019 **FORMAS**– 3.0 million SEK. Benchmarking granulated active carbon treatment during drinking water production. Main applicant Stephan Köhler, SLU.
- 2019-2021 **FORMAS**– 3.0 million SEK. GASFIB: Environmental impact of gas ebullition in fiberbank sediments – flux measurements and X-ray tomography for improved remediation strategies. Main applicant Anna-Karin Dahlberg, SLU.
- 2019-2021 **FORMAS** – 3.0 million SEK EDA-WATER: Effect-directed analysis – the 21st century-strategy for water quality assessment and identification of novel environmental pollutants. Main applicant Johan Lundqvist, SLU.
- 2019-2021 **FORMAS** – 7.263 million SEK. Food waste to new food in an urban context – production, risk assessment and consumer acceptance. Main applicant Malin Hultberg, SLU.
- 2019-2022 **FORMAS** – 12 million SEK. DANTE: Effect-directed analysis as a tool towards a non-toxic environment - identification of mixture effects and toxicity drivers in water. Main applicant Johan Lundqvist.
- 2020-2022 **FORMAS** – 3 million SEK. STOP-ARG: Stopping spreads of antibiotic resistance genes and antibiotics from on-site sewage facilities to the groundwater. Main applicant Foon Yin Lai.

### **Other grant funding**

- 2000 **Swedish EPA** - 0.150 million SEK. Chiral environmental pollutants as tracers in environmental transport studies. (co-applicant)
- 2001 **Swedish EPA** - 0.30 million - SEK over 2 years. Chiral pesticides as tracers for pollutant transport and accumulation processes. (co-applicant)

- 2005 **Umeå Marine Research Centre** - 0.100 million SEK. Investigation of dioxin sources in the Baltic Sea by transect sampling of sediments.
- 2006 **Swedish EPA** - 0.350 million SEK. Hållbar Sanering: Perspectives of risk for mobilization and human exposure of environmental pollutants. (co-applicant)
- 2006 **County of Västernorrland** 0.495 million SEK. Dioxins at PCP doping site Marieberg, Phase 1: Improved actual risk assessment through passive samplers. (co-applicant)
- 2006-2007 **Swedish EPA** - 0.840 million SEK. Hållbar Sanering: Validation of a model for remediation purposes. (co-applicant)
- 2006-2008 **Umeå Marine Research Centre** - 0.263 million SEK. Investigation of dioxins in surface sediments for identification of sources at the Baltic Sea coast.
- 2006-2010 **Centre for Environmental Research in Umeå** - 1.670 million SEK. PhD student project: Fate of toxic substances in the Baltic Sea: predicting the effects of environmental changes.
- 2006-2007 **The Swedish Institute** - 0.108 million SEK - Post-doc funding during 9 months (Dr. Minggang Cai, Xiamen University, Kina).
- 2006 **The foundation Oscar och Lilli Lamms Minne** - 0.350 million SEK. The influence of spring flood on environmental levels and fluxes of toxic hydrophobic compounds.
- 2007 **Swedish EPA** - 0.700 million SEK. Persistent organic pollutants in the Baltic Sea ecosystems including coastal areas: Sources, reservoirs, fate, mobilization and prediction.
- 2008-2010 **Chinese National Natural Science Foundation** - 0.500 million Chinese Yuan. Dynamical processes of PCDD/Fs at sediment-seawater interface in typical estuary and coastal sea area”, main applicant M. Cai (Umeå University and Xiamen University, China), co-applicants KW, M. Tysklind (Umeå University), Anguo Peng, Xuhong Zheng (Xiamen University, China).
- 2008 **The foundation Oscar och Lilli Lamm’s Minne** - 0.400 million SEK. The influence of spring flood on environmental levels and fluxes of toxic hydrophobic compounds
- 2009-2011 **NUTEK** – 9.263 million SEK. MCN IO – Marksaneringscentrum Norr i omvärlden. (co-applicant)
- 2009-2010 **Faculty of Science and Technology Umeå University** - 1.000 million SEK. Sources, transport and fate of pollutants: Predicting effects of climate change and anthropogenic activities.
- 2008-2009 **County of Västerbotten** - 0.450 million SEK. Measurements for reducing emissions of hazardous compounds: Survey of dioxin emission sources.
- 2009-2010 **Swedish EPA** - 0.500 + 0.400 + 0.080 + 0.112 = 1.092 million SEK. Critical evaluation of the Low POP Content Limit (LPCL).
- 2008-2009 **Swedish EPA** – 0.400 million SEK. Tracing sources for PCDD/Fs and PCBs along the Swedish coast by traditional data evaluation and modeling.
- 2009-2011 **Swedish EPA (Havsmiljöanslaget)** – 0.144 million SEK. Fördjupad studie av källor till dioxiner i sediment i södra Bottenhavet.
- 2010-2013 **Swedish EPA** – 6.000 million SEK. Managing the dioxin problem in the Baltic region with focus on sources to air and edible fish (BalticPOPs). Research program involving several universities and research institutes.
- 2010-2011 **Swedish EPA** – 2.285 million SEK. Dioxiner i Bottenhavet och Bottenviken - pågående utsläpp eller historiska synder? (co-applicant)
- 2012-2015 **Oscar and Lili Lamms Minne** – 2.0 million SEK, POPs in Swedish snow and boreal catchment waters.

- 2013-2014 **Svenska Ingenjörförbundet** - 350 kSEK. Removal efficiency of fluorinated contaminants from raw water for drinking water purposes. (co-applicant)
- 2014-2106 **Swedish EPA** – 2.532 million SEK. Screening for emerging organic pollutants in archived biota.
- 2014-2015 **HaV** – 0.650 million SEK. Läkemedel och organiska miljöföroreningar i kretsloppet (co-applicant)
- 2016-2017 **Swedish EPA** – 0.150 million SEK. Litteraturstudie av ersättningsämnen för de bromerade flamskyddsmedlen PBDE, HBCDD och TBPPA.

### **Funding for infrastructure**

- 2019-2023 SLU Infrastructure Grant 5.484 million SEK

### **Funding for scientific meetings**

- 2016 **Oscar and Lili Lamms Minne**, Forskningsmötet om organiska miljöföroreningar med fokus på vatten och nya hot, Stora Ekenäs, 16-19 februari, 2016.
- 2017 **Oscar and Lili Lamms Minne**, Forskningsmöte om hållbart nyttjande av naturresurser med fokus på kemiska risker, Stora Ekenäs, 21-24 maj, 2017.
- 2017 **Oscar and Lili Lamms Minne**, Forskningsmöte om nya metoder inom miljökemiforskningen, Stora Ekenäs, 26-29 nov, 2017.
- 2018 **Oscar and Lili Lamms Minne**, Forskningsmöte om optimering av riskbedömningar, Stora Ekenäs, 14-16 februari, 2018
- 2018 **Oscar and Lili Lamms Minne**, Internationellt forskningsmöte om miljögifter i vattenmiljö, Stora Ekenäs, 27-31 maj, 2018
- 2018 **Oscar and Lili Lamms Minne**, Forskningsmöte om miljögifter i vattenmiljö miljökemiforskningen, Stora Ekenäs, 25-29 nov, 2018.
- 2019 **Oscar and Lili Lamms Minne**, Forskningsmöte om trender inom akvatisk miljö kemi, 14-16 maj, 2019.
- 2019 **Oscar and Lili Lamms Minne**, Forskningsmöte om miljögifter i vattenmiljö, Stora Ekenäs, 12-14 nov, 2019

### **Funding for environmental assessment**

- 2010-2012 **Swedish EPA** – 0.851 million SEK. Detailed characterization of national and international atmospheric dioxin emission sources.
- 2013 **Swedish EPA** – 100 kSEK. Förbättra och kvalitetssäkra mätning av POPs i atmosfärisk deposition
- 2013-2014 **Swedish EPA** – 342 kSEK. Screening av perfluoralkylerade ämnen och flamskyddsmedel i svenska vattendrag
- 2015 **Swedish EPA** – 2.2 million SEK. Screening av PFAS i grundvatten och ytvatten
- 2015-2016 **Swedish EPA** – 328 kSEK. Omanalys av flamskyddsmedel i Svenska vattendrag
- 2016 **National Food Agency** – 225 kSEK. Literature and database study - Antropogena föroreningar i svenska vattentäkter.
- 2016 **Swedish EPA** – 562 kSEK. Analys av PFAS och fenolära ämnen i flodmynningar.



- 2017-2018 **Swedish EPA** – 241 kSEK. Analys av PFAS i mark från bakgrundsområden. Kvalitetsansvarig.
- 2017-2018 **Swedish EPA** – 600 kSEK. Screeningstudie av ersättningsämnen för bromerade flamskyddsmedlen PBDE, HBCDD och TBPPA.
- 2017-2018 **Swedish EPA** – 550 kSEK. Källspårning av dioxiner i fisk.
- 2018-2019 **Swedish EPA** – 1675 kSEK. Koppling mellan PFAS i dricksvatten och blodhalter i Riksmaten 2016-17. Medsökande.
- 2019-2020 **Mälarens vattenvårdsförbund** – 396 kSEK. Uppdrag för analys av organiska föreningar i ytvatten.
- 2019-2020 **Vätterns vattenvårdsförbund** – 195 kSEK. Uppdrag för analys av organiska föreningar i ytvatten.
- 2019-2020 **Vänerns vattenvårdsförbund** – 131 kSEK. Uppdrag för analys av organiska föreningar i ytvatten.

## SCIENTIFIC ASSIGNMENTS

### PhD student evaluations (external expert, opponent, member of committees)

- External examiner for PhD graduation, Perihan Kurt-Karakus, Department of Environmental Science, Lancaster University, UK, 2006-07-04.
- Opponent for Espen Eek's PhD graduation, Department of Geosciences, University of Oslo, Norway, 2008-06-27.
- PhD thesis examiner, Jennifer Braunig, The University of Queensland, Australia, 2017
- Member of the PhD defence/thesis examination committee
  1. Ingrid Ericsson Jogsten, Örebro University, 2011
  2. Justina Björklund, Stockholm University, 2011
  3. Marlene Ångerstrand, Stockholm University, 2012
  4. Atlasi Daneshvar, SLU, 2012 (reserve)
  5. Maria Larsson, Örebro University, 2013
  6. Sofi Jonsson, Umeå University, 2013
  7. Anna Roos, Stockholm University, 2013
  8. Mazhar Ul Haq, SLU, 2013
  9. Eva Weidemann, Umeå University, 2014
  10. Anne Marie Kellerman, Uppsala University, 2015
  11. Trifa Mohammad Ahmed, Stockholm University, 2015
  12. Ge Yin, Stockholm University, 2016
  13. Ulrika Eriksson, Örebro University, 2016
  14. Alina Mostovaya, Uppsala University, 2017 (reserve)
  15. Ahmed Ramzi, Stockholm University, 2018
  16. Alfred Haglind, Uppsala University, 2018.
- External expert in the half-time follow-up evaluation for PhD student Alfred Svan, Uppsala University, 2015.
- External expert in the half-time follow-up evaluation for PhD student Anna Markiewicz, Chalmers Technical University, 2017

### Other scholar external expert evaluations (positions, titles, etc.)

- External expert for senior lectureship at Blekinge Technical University, 2010.
- External expert for assistant professor position at ITM, Stockholm University, 2010.

- External expert for senior lectureship at Karlstad University, 2011.
- External expert for professorship in chemistry at Örebro University, 2015
- External expert for professorship in chemistry at NTNU, Trondheim, Norway, 2015
- External expert for senior lectureship in Environmental Science at Jyväskylä University, Finland, 2016
- External expert for Researcher position in Environmental Chemistry at Aarhus University, Denmark, 2017
- External expert for professor promotion at Luleå Technical University, 2014
- External expert for adjunct professorship at Örebro University, 2012.
- External expert for application (Thanh Wang) to Associate Professor (Docent) at Örebro University, 2017
- External expert for FORMAS in the project *Systematic survey of effects of waste water on aquatic organisms*, 2019-2020

#### Other scholar commitments and initiatives

- Organization committee for the 6th workshop on PCBs, Visby May 30-June 2, 2010.
- Organizing a session at the 32nd International Symposium on Halogenated Persistent Organic Pollutants, August 26-31, 2012, Cairns, Australia.
- Session chair at the 32nd International Symposium on Halogenated Persistent Organic Pollutants, August 26-31, 2012, Cairns, Australia
- Session chair at 23rd Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC Europe), May 12-16, Glasgow, UK
- Organizer of a workshop on *Pollutants in drinking and surface water*, Swedish Chemists' Association, Uppsala May 23, 2013.
- Member of the expert panel evaluating *Tillførselsprogrammet*, a 3-year Norwegian monitoring and modeling program for investigation of marine pollution in Norway; 2013
- Member and section leader (chemical hazards) in DRICKS, an academic national competence centre for drinking water, 2014-
- Organizer of a seminar day on *Material i kontakt med livsmedel och dricksvatten – Risker och säkerhet*, The Toxicological Council, Stockholm, April 9, 2015.
- Organizer of a seminar day on *Östersjön*, The Toxicological Council, Stockholm, November 14, 2016.
- Organizer of the *Swedish EPA workshop on screening of environmental pollutants*, SLU, Uppsala Nov 15-16, 2017.
- Leader of the initiative *Competence centre for chemical hazards in drinking water*, which has led to engagement by the Governor of Uppsala län (Göran Enander) and a letter to the Swedish government supported by 11 regional actors including the vice chancellors of SLU and Uppsala University, 2017-2018.
- Leader of the initiative *International Memorandum of Understanding between the Department of Aquatic Sciences and Assessment, SLU and College of Environmental Science and Engineering, Tongji University, Shanghai, China*, 2018.
- Organizer of the session *Environmental fate of emerging contaminants: analytical challenges and engineered solutions* at the SETAC Europe conference, Rome, May 13-17, 2018.

- Organizer of the session *Combining bioanalytical toxicology and chemistry – the future for drinking water quality assessment* at the SETAC Asia Pacific conference, Daegu, Korea, May 16-20, 2018.
- Organizer of *Norman Network Non-Target Screening International Workshop*, SLU, Uppsala, October 16-17, 2018.
- Leader of the Unit of Assessment (UoA) *Geochemistry and organic environmental chemistry (280\_1\_NJ)* in KoN2018, external evaluation of the quality and impact of the research at SLU. The UoA got 25 out of maximum 26 points, which meant 2<sup>nd</sup> place and top 5 among the 61 UoAs.
- Commissioned as one out of three national experts in the research compilation “*Effects on aquatic organisms caused by chemical substances in waste water*”, 2018-2020, organized by the Research Council FORMAS.
- Organizer of the session *Target and NonTarget Mass Spectrometry for Human and Environmental Exposure Assessment*, SETAC Europe conference, Helsinki, May 26-30, 2019.
- Organizer of the session *Organic Micropollutants in Urban Waters* SETAC Europe conference, Helsinki, May 26-30, 2019.
- Member of the Expert Seed Group in the *Water JPI Knowledge Hub on Contaminants of Emerging Concern*, 2018-

## COMMISSION OF TRUST

2004-2007	Board of the Department of Chemistry, Umeå University
2008-2010	Board of the Undergraduate Chemistry Program, Umeå University
2011-	The Toxicological Council, a national expert panel, administrated by Swedish Chemicals Agency (KemI)
2011-2013	Board of the Environmental Chemistry Section within Svenska Kemistsamfundet
2012-2016	Council of Researchers at SLU (FOR)
2012-	Board of Focus on Soils & Water, a graduate school at SLU
2013-2020	Board of Staff Recruitment and Appointments, SLU
2014-2020	Deputy chair of the Board of Staff Recruitment and Appointments, SLU
2013	Interim board for Swedish Infrastructure for Ecosystem Research (SITES), on the commission of the Swedish Research council (VR)
2014-2018	Board of SweTox (Swedish Toxicology Sciences Research Centre)
2015-	The Royal Society of Sciences at Uppsala (Sweden’s oldest learned society, founded in 1710 by Erik Benzelius, the Younger)
2016-	Deputy coordinator for <i>A Non-Toxic Environment</i> , an SLU program within environmental monitoring and assessment (in Swedish: Fortlöpande miljöanalys; Foma)
2018	Election Committee for the NJ-faculty board
2018	Hörandesamlingen för intervjuer av kandidater till ny rektor för SLU
2020-	Section leader for <i>Organic Environmental Toxicology and Ecotoxicology</i> , Department of Aquatic Sciences and Assessment, SLU

## AWARDS, AWARD NOMINATIONS

Personal awards

- Umeå County Council's Prize in Environmental Sciences, 2003
- FORMAS project "*Tracking dioxin sources in the Baltic Sea by sediment analysis and receptor modeling*" was ranked as the best practice project within the thematic area "Toxic chemicals" in the evaluation of Swedish marine research funding during 2003-2009.
- Awarded as member of the Royal Society of Sciences at Uppsala (Sweden's oldest learned society, founded in 1710 by Erik Benzelius, the Younger), 2015

#### Post-doc awards

- Lutz Ahrens, SLU's Medal of Merit in silver for a young promising talent employee, 2014
- Lutz Ahrens, The King Carl XVI Gustaf's Scholarship for Science, Technology and Environment, 2014
- Meritxell Calvo Gros, Marie Curie Fellowship 2017-2020
- Pablo Gago Ferrero, Marie Curie Fellowship 2017-2020

#### Student awards

- Conny Danielsson, Otto Hutzinger PhD student award, 2003
- Sarah Josefsson, Otto Hutzinger PhD student award, 2009
- Philipp Klöckner awarded the ELLS prize for excellent MSc theses.

#### Personal nomination

- Skytteanska Samfundet's award to a young scientist at Umeå University, 2007
- Nominated by the NJ-faculty to the SLU carrier grant, 2019
- Nominated as candidate for the Head of the Department position, 2019
- Nominated by Formas to become member of Mission Board within Horizon Europe (the next EU research and innovation programme), 2019

#### Student nominations

- Malin Nording, Otto Hutzinger PhD student award, 2004
- Kristina Sundqvist, PhD Otto Hutzinger PhD student award, 2006

## **IMPACT and RANKING OF SCIENCE**

H-index = 33 (Scopus)

Total number of citations: >3250 (Scopus)

## **FUNCTIONED AS REFEREE FOR THE JOURNALS**

Archives of Environmental Contamination & Toxicology; Environmental Science & Technology; Environmental Toxicology & Chemistry; Chemosphere; Science of the Total Environment; Int. J. Environ. Res. Public Health; ESPR - Environmental Science and Pollution Research

## OUTREACH AND STAKEHOLDER COMMUNICATION

- Extensive contacts with public authorities in Sweden and the EU involved in pollution risk assessment and management.
- Member of the Toxicological Board, a national advisory board administrated by Swedish Chemicals Agency (KemI). 2011-
- Member and section leader (chemical hazards) in DRICKS, a national competence centre for drinking water, 2015-

Invited speaker at the:

1. Workshop on EU Strategy for the Baltic Sea Region, Priority Area 3: Reduce the use and impact of hazardous substances. Polish Ministry of the Environment, Warsaw, Poland, May 10, 2012.
2. Workshop on Kemikalier och Miljögifter i Gävleborgs län, County Board of Gävleborg, March 19, 2012.
3. BalticPOPs dissemination seminar (key note speaker), Sept 27, 2012, Swedish EPA, Stockholm, including separate stakeholder meeting.
4. FORMAS' theme day Framtidens mat (The food of the future), *Östersjön som recipient av miljöföroreningar* (The Baltic Sea as a recipient of pollutants), Febr. 16-17, 2011.
5. Föreningen Vattens Seminar Day *Perfluorerade ämnen (PFAS) – en tickande miljöbomb?*, Linköping Sept. 4, 2014.
6. GeoArena, conference organized by Swedish Geological Survey (SGU), the session The Sea – Environmental pollutants in sediments - monitoring and coordination, Uppsala, October 13-15, 2014.
7. National Drinking Water Conference *Detektion av hälsofarliga ämnen i dricksvatten*, Uppsala, Sweden, April 14-15, 2015.
8. Workshop om screening och miljögiftsövervakning, *Högfluorerade kemikalier i yt- och grundvatten – Bör vi oroa oss?* Örebro, May 26-27, 2015.
9. Seminar day 'Har Sverige bra dricksvatten?', Kungliga Ingenjörsvetenskapsakademien (IVA; The Royal Swedish Academy of Engineering Sciences) *Vattnets innehåll av hälsofarliga kemikalier*, Stockholm, May 27, 2015.
10. 4th National Drinking Water Conference, *PFAS i dricksvatten - förekomst och rening*, Malmö, Sweden, April 19-20, 2016.
11. 4th National Drinking Water Conference, *SafeDrink - detektion av kemiska hälsorisker. Analys av vatten från källa till kran*, April 19-20, 2016. Malmö, Sweden, April 19-20, 2016.
12. Förbundsträff Mälarens vattenvårdsförbund, *Mälaren - en sjö för miljoner, SafeDrink - Bättre kontroll av hälsofarliga kemiska föroreningar i dricksvatten*, Västerås, February 2-3, 2016.
13. *Mälardregionens långsiktiga dricksvattenförsörjning*, a Seminar day arranged by Mälarens vattenvårdsförbund, *Hälsofarliga kemikalier i dricksvatten – resultat från SafeDrink*, Stockholm, May 31, 2016.
14. Seminar day "Miljöföroreningar i Östersjön" arranged by Toxikologiska Rådet. *Varifrån kommer dioxinet?* Stockholm, November 14, 2016.
15. DRICKS seminar day on Chemical health risks associated to drinking water. *Kemisk förorening från källa till kran - Resultat från SafeDrink*. Gävle, October 26, 2016.

16. Senioruniversitetet i Uppsala. *Säkert dricksvatten – så detekteras kemiska hälsorisker*. Uppsala, November 15, 2016.
17. Senioruniversitetet i Stockholm. *Varifrån kommer dioxinet?* Stockholm, December 5, 2016.
18. Swedish EPA Workshop om screening och miljögifter. *Dioxinkällor – kan källspårningsteknik användas för fisk?* Uppsala, November 15-16, 2016.
19. Dricksvattendagarna *Faran med de okända kemikalierna i våra vatten*. Stockholm, February 7-8, 2017.
20. Forskarna på slottet, *Faran med de okända kemikalierna i våra vatten*. Uppsala, May 16, 2017.
21. Meeting on national competence centre on chemical hazards in drinking water organized by the Governore of Uppland's regional administration Göran Enander, *Nationellt kompetenscentrum för kemiska risker i dricksvatten i Uppsala*. Uppsala, April 18, 2018.
22. Nationella Dricksvattenkonferensen, *SafeDrink och planer för ett nationellt kompetenscentrum kemiska risker*, Västerås, 23-24 October 23-24, 2018.
23. International Environmental Specimen Bank Conference (key note speaker), *Unraveling sources of dioxins in sediments and fish of the Baltic Sea*, Stockholm, June 3-5, 2019.
24. World Water Week, invited speaker, Tracing contaminants of emerging concern (CECs) in water using the latest advances in chemical and toxicological analysis, Stockholm, August 25, 2019
25. Formas Frukost, Nobelmuseet i Stockholm, filmat seminarium: Hur står det till med vårt dricksvatten? September 27, 2019

## PUBLICATIONS IN JOURNALS (peer-reviewed)

Scopus Author ID: 7103111728

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1. **Menger F., Ahrens L., Wiberg K., Gago-Ferrero P.** Suspect screening based on market data of polar halogenated micropollutants in river water affected by wastewater, *Journal of Hazardous Materials*, 401:123377, **2021**.  
<https://doi.org/10.1016/j.jhazmat.2020.123377>
2. **Dürig W., Kintzi A., Golovko O., Wiberg K., Ahrens L.** New extraction method prior to screening of organic micropollutants in various biota matrices using liquid chromatography coupled to high-resolution time-of-flight mass spectrometry, *Talanta*, 219:121294, **2020**. <https://doi.org/10.1016/j.talanta.2020.121294>
3. **Ren H., Tröger R., Ahrens L., Wiberg K., Yin D.** Screening of organic micropollutants in raw and drinking water in the Yangtze River Delta, China. *Environmental Sciences Europe*, 32:67, **2020**. <https://doi.org/10.1186/s12302-020-00342-5>
4. **Dahlberg A.-K., Apler A., Vogel L., Wiberg K., Josefsson S.** Persistent organic pollutants in wood fiber contaminated sediments from the Baltic Sea, *Journal of Soils and Sediments*, 20:2471–2483, **2020**. <https://doi.org/10.1007/s11368-020-02610-6>
5. **Tröger R., Köhler S.J., Franke V., Bergstedt O., Wiberg K.** A case study of organic micropollutants in a major Swedish water source - Removal efficiency in seven drinking water treatment plants and influence of operational age of granulated active carbon filters. *Science of the Total Environment*, 706:135680, **2020**.  
<https://doi.org/10.1016/j.scitotenv.2019.135582>
6. **Volchko Y., Berggren Kleja D., Back P.-E., Tiberg C., Enell A., Larsson M., Jones C.M., Taylor A., Viketoft M., Åberg A., Dahlberg A.-K., Weiss J., Wiberg K., Rosén L.** Assessing costs and benefits of improved soil quality management in remediation projects: A study of an urban site contaminated with PAHs and metals. *Science of the Total Environment*, 703:135530, **2020**.
7. **Gros M., Ahrens L., Levén L., Koch A., Dalahmeh S., Ljung E., Lundin G., Jönsson H., Eveborn D., Wiberg K.** Pharmaceuticals in source separated sanitation systems: fecal sludge and blackwater treatment. *Science of the Total Environment*, 692:259-266, **2019**.
8. **Gyllenhammar I., Benskin J.P., Sandblom O., Berger U., Ahrens L., Lignell S., Wiberg K., Glynn A.** Perfluoroalkyl acids (PFAAs) in children's serum and contribution from PFAA contaminated drinking water. *Environmental Science & Technology*, 53: 11447–11457, **2019**.
9. **Gustavsson J., Wiberg K., Nguyen M.A., Josefsson S., Laudon H., Ahrens L.** Seasonal trends of legacy and alternative flame retardants in river water in a boreal catchment. *Science of the Total Environment*, 692:1097-1105, **2019**.
10. **López-Serna R., García D., Bolado S., Jiménez J.J., Lai F.Y., Golovko O., Gago-Ferrero P., Ahrens L., Wiberg K., Muñoz R.** Photobioreactors based on microalgae-bacteria and purple phototrophic bacteria consortia: A promising technology to reduce the load of veterinary drugs from piggery wastewater. *Science of the Total Environment* 692:259-266, **2019**.
11. **Zhang W., Gago-Ferrero P., Gao Q., Ahrens L., Blum K., Rostvall A., Björleinius B., Andersson P.L., Wiberg K., Haglund P., Renman G.** Evaluation of five filter

- media in column experiment on the removal of selected organic micropollutants and phosphorus from household wastewater. *Journal of Environmental Management*, 246:920-928, **2019**.
12. **Dürig W., Tröger R., Andersson P.L., Rybacka A., Fischer S., Wiberg K., Ahrens L.** Development of a suspect screening prioritization tool for organic compounds in water and biota, *Chemosphere*, 222:904-912, **2019**  
[doi.org/10.1016/j.chemosphere.2019.02.021](https://doi.org/10.1016/j.chemosphere.2019.02.021)
  13. **Assefa A., Tysklind M., Bignert A., Josefsson S., Wiberg K.** Sources of polychlorinated dibenzo-*p*-dioxins and dibenzofurans to Baltic Sea herring. *Chemosphere* 218:493-500, **2019**.
  14. **Gao Q., Blum K.M., Gago-Ferrero P., Wiberg K., Ahrens L., Andersson P.L.** Impact of on-site wastewater infiltration systems on organic contaminants in groundwater and recipient waters. *Science of the Total Environment* 651:1670–1679, **2019**.
  15. **Gobelius L., Persson C., Wiberg K., Ahrens L.** Calibration and application of passive sampling for per- and polyfluoroalkyl substances in a drinking water treatment plant. *Journal of Hazardous Materials* 362:230–237, **2019**.
  16. **Rosenmai A.K., Lundqvist J., Gago-Ferrero P., Mandava G., Ahrens L., Wiberg K., Oskarsson A.** Effect-based assessment of recipient waters impacted by on-site, small scale, and large scale waste water treatment facilities – combining passive sampling with in vitro bioassays and chemical analysis. *Scientific Reports* 21;8(1):17200, **2018**.
  17. **Zhang W., Blum K., Gros M., Ahrens L., Jernstedt H., Wiberg K., Andersson P.L., Björleinius B., Renman G.** Removal of micropollutants and nutrients in household wastewater using organic and inorganic sorbents. *Desalination and Water Treatment* 120:88-108, **2018**.
  18. **Gago-Ferrero P., Krettek A., Fischer S. Wiberg K., Ahrens L.** Suspect screening and regulatory databases: A powerful combination to identify emerging micropollutants. *Environmental Science & Technology*, 52:6881–6894, **2018**.
  19. **Gyllenhammar I., Benskin J., Sandblom O., Berger U., Ahrens L., Lignell S., Wiberg K., Glynn A.** Perfluoroalkyl acids (PFAAs) in serum from 2-4-month-old infants – influence of maternal serum concentrations, gestational age, breastfeeding and contaminated drinking water. *Environmental Science & Technology*, 52:7101-7110, **2018**.
  20. **Nguyen M.A., Ahrens L., Gustavsson J, Josefsson S., Laudon H., Wiberg K.** The role of spring flood and landscape type in the terrestrial export of polycyclic aromatic compounds (PACs) to stream water. *Environmental Science & Technology*, 52:6217-6225, **2018**.
  21. **Blum K.M., Haglund P, Gao Q., Gros M., Ahrens L., Wiberg K., Andersson P.L.** Mass fluxes per capita of organic contaminants from on-site sewage treatment facilities. *Chemosphere*, 201:864-873, **2018**.
  22. **Sha B., Dahlberg A-K, Wiberg K, Ahrens L.** Fluorotelomer alcohols (FTOHs), brominated flame retardants (BFRs), organophosphorus flame retardants (OPFRs) and cyclic volatile methylsiloxanes (cVMSs) in indoor air from occupational and home environments. *Environmental Pollution*, 241:319-330, **2018**.
  23. **Gobelius L., Hedlund J., Dürig W., Tröger R., Wiberg K., Lilja K., Ahrens L.** Per- and polyfluoroalkyl substances in Swedish groundwater and surface water: Implications for Environmental Quality Standards and drinking water guidelines. *Environmental Science & Technology*, 52(7):4340-4349, **2018**.
  24. **Rostvall A., Zhang W., Dürig W., Renman G., Wiberg K., Ahrens L., Gago-Ferrero P.** Removal of pharmaceuticals, perfluoroalkyl substances and other micropollutants



- from wastewater using lignite, Xylit, sand, granular activated carbon (GAC) and GAC + Polonite® in column tests - Role of physicochemical properties. *Water Research*, 137:97-106, **2018**.
25. **Assefa A., Tysklind M., Klanova J., Wiberg K.** Tracing sources of PCDD/Fs in Baltic Sea air by using metals as source markers. *Environmental Sciences: Processes & Impacts*, 20(3):544-552, **2018**.
  26. **Tröger R., Klöckner P., Ahrens L., Wiberg K.** Micropollutants in drinking water from source to tap - method development and application of a multiresidue screening method. *Science of the Total Environment*, 627:1404–1432, **2018**.
  27. **Gustavsson J., Wiberg K., Ribeli E., Nguyen M.A., Josefsson S., Ahrens L.** Screening of organic flame retardants in Swedish river water. *Science of the Total Environment*, 625:1046–1055, **2018**.
  28. **Blum K.M., Andersson P.L., Ahrens L., Wiberg K., Haglund P.** Persistence, mobility and bioavailability of emerging organic contaminants discharged from sewage treatment plants. *Science of the Total Environment*, 612:1532–1542, **2018**.
  29. **Dalahmeh S., Ahrens L., Gros M., Wiberg K., Pell M.** Potential of biochar filters for onsite sewage treatment: Adsorption and biological degradation of pharmaceuticals in laboratory filters with active, inactive and no biofilm. *Science of the Total Environment*, 612:192-201, **2018**.
  30. **Gustavsson J., Ahrens L., Nguyen M.A., Berggren Kleja D., Josefsson S., Wiberg K.** Influence of natural organic matter on the extraction efficiency of flame retardants from surface waters, *Journal of Chromatography A*, 1524:74-86, **2017**.
  31. **Gago-Ferrero P., Gros M., Ahrens L., Wiberg K.** Impact of on-site, small and large scale waste water treatment facilities on levels and fate of pharmaceuticals, personal care products, pesticides, and perfluoroalkyl substances in recipient waters. *Science of the Total Environment*, 601-602:1289-1297, **2017**.
  32. **Kothawala D.N., Köhler S.J., Östlund A., Wiberg K., Ahrens L.** Influence of dissolved organic matter concentration and composition on the removal efficiency of perfluoroalkyl substances (PFASs) during drinking water treatment. *Water Research*, 121:320-328, **2017**.
  33. **McCleaf P., Englund S., Östlund A., Lindegren K., Wiberg K., Ahrens L.** Removal efficiency of multiple perfluoroalkyl substances (PFASs) in drinking water using granular activated carbon (GAC) and anion exchange (AE) column tests. *Water Research*, 120:77-87, **2017**.
  34. **Gustavsson J., Ahrens L., Nguyen M.A., Josefsson S., Wiberg K.** Development and comparison of gas chromatography–mass spectrometry techniques for analysis of flame retardants, *Journal of Chromatography A*, 1481:116-126, **2017**.
  35. **Gros M., Blum K.M., Jernstedt H., Renman G., Rodríguez-Mozaz S., Haglund P., Andersson P.L., Wiberg K., Ahrens L.** Screening and prioritization of micropollutants in wastewaters from on-site sewage treatment. *Journal of Hazardous Materials*, 328:37-45, **2017**.
  36. **Nguyen M. A., Wiberg K., Ribeli E., Josefsson S., Futter M., Gustavsson J., Ahrens L.** Spatial distribution and source tracing of per- and polyfluoroalkyl substances (PFASs) in surface water in Northern Europe. *Environmental Pollution*, 220:1438-1446, **2017**.
  37. **Blum K.M., Andersson P.L., Renman G., Ahrens L., Gros M., Wiberg K., Haglund P.** Non-target screening and prioritization of potentially persistent, bioaccumulating and toxic urban wastewater contaminants and their removal in on-site and large-scale sewage treatment plants. *Science of the Total Environment*, 575:265–275, **2017**.

38. **Josefsson S., Bergknut M., Futter M.N., Jansson S., Laudon H., Lundin L., Wiberg K.** Persistent organic pollutants in stream water – influence of hydrological conditions and landscape type. *Environmental Science & Technology*, 50(14):7416–7424, **2016**.
39. **Holt E., Kočan A., Klánová J., Assefa A., Wiberg K.** Spatiotemporal patterns and potential sources of polychlorinated biphenyl (PCB) contamination in Scots pine (*Pinus sylvestris*) needles from Europe. *Environ. Sci. Pollut. Res.*, 23:19602–19612, **2016**.
40. **Cai M., Hong Q., Sunc J., Sundqvist K., Wiberg K., Chen K., Wang Y., Qiu C., Huang S.** Concentrations, distribution and sources of polychlorinated dibenzo-p-dioxins and dibenzofurans and dioxin-like polychlorinated biphenyls in coastal sediments from Xiamen, China. *Marine Chemistry*, 185:74–81, **2016**.
41. **Lalander C., Senecal J., Gros M., Ahrens L., Josephson S., Wiberg K., Vinnerås B.** Fate of pharmaceuticals and pesticides in fly larvae composting. *Science of the Total Environment*, 565:279–286, **2016**.
42. **Holt E., Kočan A., Klánová J., Assefa A.T., Wiberg K.** Polychlorinated dibenzo-*p*-dioxins/furans (PCDD/Fs) and metals in Scots pine (*Pinus sylvestris*) needles from Eastern and Northern Europe: spatiotemporal patterns, and potential sources. *Chemosphere*, 156:30–36, **2016**.
43. **Åberg A., MacLeod M., Wiberg K.** Performance of the CalTOX fate and exposure model in a case study for a dioxin contaminated site, *Environ. Sci. Pollut. Res.*, 22:8719–8727, **2015**.
44. **Sobek A., Sundqvist K.L., Assefa A.T., Wiberg K.** Baltic Sea sediment records: unlikely near-future declines in PCBs and HCB. *Science of the Total Environment*, 518–519:8–15, **2015**.
45. **Bidleman T., Agosta K., Andersson A., Brorström-Lundén E., Haglund P., Hansson K., Laudon H., Newton S., Nygren O., Ripszam M., Tysklind M., Wiberg K.** Atmospheric pathways of chlorinated pesticides and natural bromoanisoles in the northern Baltic Sea and its catchment, *Ambio*, 44(Suppl. 3):S472–S483, **2015**.
46. **Newton S., Bidleman T., Bergknut M., Racine J., Laudon H., Giesler R., Wiberg K.** Atmospheric deposition of persistent organic pollutants and chemicals of emerging concern at two sites in northern Sweden, *Environ. Science: Processes & Impacts*, 16(2):298–305, **2014**.
47. **Assefa A.T., Sobek A., Sundqvist K.L., Cato I., Jonsson P., Tysklind M., Wiberg K.** Temporal trends of PCDD/Fs in Baltic Sea sediment cores covering the 20th century. *Environ. Sci. Technol.*, 48(2):947–953, **2014**.
48. **Volchko Y., Norrman J., Rosén L., Bergknut M., Josefsson S., Söderqvist T., Norberg T., Wiberg K., Tysklind M.** Using soil function evaluation in multi criteria decision analysis for sustainability appraisal of remediation alternatives, *Science of the Total Environment.*, 485:785–791, **2014**.
49. **Sobek A., Wiberg K., Sundqvist K.L., Haglund P., Cornelissen G.** Coastal sediments in the Gulf of Bothnia as a source of dissolved PCDD/Fs and PCBs to water and fish, *Science of the Total Environment*, 487: 463–470, **2014**.
50. **Codling G., Halsall C., Ahrens L., Del Vento S., Wiberg K., Bergknut M., Laudon H., Ebinghaus R.** The fate of per- and polyfluoroalkyl substances within a melting snowpack of a boreal forest, *Environmental Pollution*, 191:190–198, **2014**.
51. **Assefa A.T., Tysklind M., Sobek A., Sundqvist K.L., Geladi P., Wiberg K.** Assessment of PCDD/F source contributions in Baltic Sea sediment core records. *Environmental Science & Technology*, 48(2): 9531–9539, **2014**.

52. **Sobek A., Arp H.P.H., Wiberg K., Hedman J., Cornelissen G.** Aerosol-water distribution of PCDD/Fs and PCBs in the Baltic Sea region, *Environmental Science & Technology*, 47(2):781-789, **2013**.
53. **Miller A., Hedman J.E., Nyberg E., Haglund P., Cousins I.T., Wiberg K., Bignert A.** Temporal trends in dioxins (polychlorinated dibenzo-*p*-dioxin and dibenzofurans) and dioxin-like polychlorinated biphenyls in Baltic herring (*Clupea harengus*). *Mar. Poll. Bull.*, 73(1):220-230, **2013**.
54. **Bergman Å., Andersson A.-M., Becher G., van den Berg M., Blumberg B., Bjerregaard P., Bornehag C.-G., Bornman R., Brandt I., Brian J.V., Casey S.C., Fowler P.A., Frouin H., Giudice L.C., Iguchi T., Hass U., Jobling S., Juul A., Kidd K.A., Kortenkamp A., Lind M., Martin O.V., Muir D., Ochieng R., Olea N., Norrgren L., Ropstad E., Ross P.S., Rudén C., Scheringer M., Skakkebaek N.E., Söder O., Sonnenschein C., Soto A., Swan S.A., Toppari J., Tyler C.R., Vandenberg L.N., Vinggaard A.M., Wiberg K., Zoeller R.T.** Science and policy on endocrine disrupters must not be mixed: a reply to a "common sense" intervention by toxicology journal editors. *Environmental Health*, 12(69), doi:10.1186/1476-069X-12-69, **2013**.
55. **Josefsson S., Schaanning, M., Samuelsson, G., Gunnarsson, J., Olofsson I., Eek E., Wiberg, K.** Capping efficiency of various carbonaceous and mineral materials for in situ remediation of marine PCDD/F-contaminated sediments: sediment-to-water fluxes and bioaccumulation in boxcosm tests. *Environmental Science & Technology*, 46(6):3343–3351, **2012**.
56. **Shatalov V., Johansson J.H., Wiberg K., Cousins I.T.** Tracing the origin of dioxins in Baltic air using an atmospheric modeling approach. *Atmos. Pollut. Res.* 3(4):408-416, **2012**.
57. **Josefsson S., Karlsson O.M., Malmeaus J.M., Cornelissen G., Wiberg K.** Structure-related distribution of PCDD/Fs, PCBs and HCB in a river – sea system. *Chemosphere*, 83(2):85-94, **2011**.
58. **Bergknut M., Laudon H., Jansson S., Larsson A., Gocht T., Wiberg K.** Atmospheric deposition and retention of dioxins and PCBs in a pristine boreal catchment. *Environ. Pollut.*, 159(6):1592-1598, **2011**.
59. **Josefsson S., Leonardsson K., Gunnarsson J.S., Wiberg K.** The influence of burial depth on accumulation of PCBs and PBDEs by two benthic invertebrates: *Monoporeia affinis* and *Marenzelleria* spp. *Chemosphere*, 85(9):1444-1451, **2011**.
60. **Bergknut M., Wiberg K., Klaminder J.** Vertical and lateral redistribution of POPs in soils developed along a hydrological gradient. *Environmental Science & Technology*, 45(24):10378-10384, **2011**.
61. **Åberg A., Tysklind M., Nilsson T., MacLeod M., Hanberg A., Andersson R., Bergek S., Lindberg R., Wiberg, K.** *Environ. Sci. Pollut. Res.*, 17(1): 26-39, **2010**. Exposure assessment at a PCDD/F contaminated site in Sweden – field measurements of exposure media and blood serum analysis.
62. **Sundqvist K.L., Tysklind M., Geladi P., Hopke P.K., Wiberg K.** PCDD/F source apportionment in the Baltic Sea using Positive Matrix Factorization, *Environmental Science & Technology*, 44(5):1690-1697, **2010**.
63. **Karlsson O.M., Malmeaus J.M., Josefsson S., Wiberg K., Håkanson L.** Application of a mass-balance model to predict PCDD/F turnover in a Baltic coastal estuary. *Estuarine, Coastal and Shelf Science*, 88(2):209-218, **2010**.
64. **Öberg M., Westerholm E., Fattore E., Stern N., Hanberg A., Haglund P., Wiberg K., Bergendorff A., Håkansson H.** Toxicity of Bromkal 70-5DE, a technical mixture of

- polybrominated diphenyl ethers, following 28 d of oral exposure in rats and impact of analysed impurities. *Chemosphere*, 80(2):137-143, **2010**.
65. **Bergknut M., Laudon H., Wiberg K.** Dioxins, PCBs and HCB in soil and peat profiles from a pristine boreal catchment. *Environ. Pollut.*, 158(7):2518-2525, **2010**
  66. **Bergknut M., Meijer S., Halsall C., Ågren A., Laudon H., Köhler S., Jones K.C., Tysklind M., Wiberg K.** Modelling the fate of hydrophobic organic contaminants in a boreal forest catchment: A cross disciplinary approach to assessing diffuse pollution to surface waters. *Environ. Pollut.*, 158(9):2964-2969, **2010**.
  67. **Josefsson S., Leonardsson K., Gunnarsson J.S., Wiberg K.** Bioturbation-driven release of PCBs and PBDEs from different depths in contaminated sediments. *Environmental Science & Technology*, 44(19):7456–7464, **2010**.
  68. **Sundqvist K.L., Tysklind M., Cato I., Bignert A., Wiberg K.** Levels and homologue profiles of PCDD/Fs in sediments along the Swedish coast of the Baltic Sea. *Environ. Sci. Pollut. Res.*, 16(4):396-409, **2009**. doi:10.1007/s11356-009-0110-z
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## CONFERENCE AND MEETING CONTRIBUTIONS

1. **Menger F., Boström G., Jonsson O., Ahrens L., Wiberg K., Kreuger J., Gago-Ferrero P.** Pesticide transformation products in surface water: The benefits of combining national monitoring and suspect screening, *16<sup>th</sup> annual workshop on emerging high-resolution mass spectrometry (HRMS) and LC-MS/MS application in environmental analysis and food safety*, October 15-16, 2020, Barcelona, Spain.
2. **Celma A., Geeta M., Menger F., Lai F.Y., Golovko O., Sancho J.V., Hernández F., Ahrens L., Wiberg K., Oskarsson A., Lundqvist J., Bijlsma L.** The combination of bioanalyses with ion mobility-high resolution mass spectrometry for an enhanced environmental screening. *#EnvChem2020: Chemistry of the Whole Environment Research*, 10 July 2020, on-line, U.K
3. **Lehoux A.P., Isidorova A., Koestel J., Snowball I., Wiberg K., Dahlberg A-K.** Gas production in contaminated fibrous sediments studied using sediment incubation and X-ray tomography. *ContaSed2020 – 2nd International conference on contaminated sediments*, June 2020 14-18, Bern, Switzerland.
4. **Lehoux A.P., Isidorova A., Jersak J., Koestel J., Snowball I., Wiberg K., Dahlberg A-K.** Gas-facilitated contaminant transport through capped fibrous sediment. *ContaSed2020 – 2nd International conference on contaminated sediments*, June 2020 14-18, Bern, Switzerland
5. **Berggren Kleja D., et al.** A Triad based framework for ecological risk assessment (ERA) that accounts for inherent soil quality effects. *SETAC Europe 30th Annual Meeting*, Dublin, Ireland, May 3-7, 2020.
6. **Ullberg M., Köhler S.J., Golovko O., Wiberg K., Lavonen E.** Pilot scale evaluation of contaminants of emerging concern (CEC) removal using ozonation and activated carbon filtration. *SETAC Europe 30th Annual Meeting*, Dublin, Ireland, May 3-7, 2020.
7. **Celma A., Mandava G., Menger F., Lai F.Y., Golovko O., Sancho J.V., Hernández Ahrens L., Wiberg K., Oskarsson A., Lundqvist J., Bijlsma L.** Combining in vitro bioanalyses with ion mobility-high resolution mass spectrometry as a refined screening workflow in environmental analyses. *SETAC Europe 30th Annual Meeting*, Dublin, Ireland, May 3-7, 2020.
8. **Postigo C., Andersson A., Harir M., Bastviken D., Gonsior M., Schmitt-Kopplin P., Gago-Ferrero P., Ahrens L., Wiberg K.** Mass spectrometry-based approaches to characterize chemodiversity of chlor(am)inated water. *SETAC Europe 30th Annual Meeting*, Dublin, Ireland, May 3-7, 2020.
9. **Ahrens L., Franke V., Söregård M., Nassazzi W., Niarchos G., Fagerlund F, Berggren Kleja D., McCleaf P., Wiberg K.** Comparison of innovative and conventional treatment techniques of PFASs in water and soil. *Workshop on Characterization and Remediation of PFAS and Other Emerging Contaminants*, UFZ, Leipzig, German, March 23-25, 2020.
10. **Ullberg M., Köhler S.J., Golovko O., Wiberg K., Lavonen E.** Pilot scale evaluation of organic micropollutant removal using ozonation and activated carbon filtration, *IWA World Water Congress & Exhibition, Copenhagen, Denmark, Oct 18-23, 2020.*
11. **Wiberg K., Lai, F.Y.**, Tracing contaminants of emerging concern (CECs) in water using the latest advances in chemical and toxicological analysis, *World Water Week, Stockholm, August 25, 2019.* Invited speaker.

12. **Dahlberg A-K, Lehoux A., Koestel J., Snowball I., Wiberg K., Josefsson S.** Dispersal of persistent organic pollutants (POPs) from wood fiber contaminated sediments of industrial origin. *The Chemical side of SLU (IV), Uppsala, Sweden, August 21-23, 2019.*
13. **Postigo C., Andersson A., Harir M., Bastviken D., Gonsior M., Schmitt-Kopplin P., Gago-Ferrero P., Ahrens L., Wiberg K.** Characterization of natural organic matter and disinfection by-products formed after chemical disinfection of water. *16th International Conference on Environmental Science and Technology (CEST), Rhodes, Greece, 4-7 September, 2019.*
14. **Wiberg K.** Unraveling the sources of dioxins in sediments and fish of the Baltic Sea *5th International Conference on Environmental Specimen Banks, Stockholm 3-5 June, 2019.* Invited keynote speaker.
15. **Berggren Kleja D., et al.** A Triad based framework for ecological risk assessment (ERA) that accounts for inherent soil quality effects. *AquasConSoil, 15th International Conference, May 20-24, 2019, Antwerp, Belgium.* Oral presentation.
16. **Kothawala D.N., Köhler S.J., Östlund A., Wiberg K., Ahrens A.** Interactions between dissolved organic matter and perfluoroalkyl substances (PFASs) during the drinking water treatment process. *Abstract to The European Geoscience Union (EGU) General Assembly 2019, April 7-12, Vienna, Austria.*
17. **Postigo C., Andersson A., Harir M., Bastviken D., Gonsior M., Kopplin P.S., Gago-Ferrero P., Ahrens L., Wiberg K.** Application of mass spectrometry-based approaches to characterize changes in water composition after chlor(am)ination. *Abstract to 16th International Conference on Environmental Science and Technology (CEST2019), Sept 4-7, 2019, Rhodes Island, Greece.*
18. **Menger F., Ahrens L., Wiberg K., Gago-Ferrero P.** Identification of polar halogenated micropollutants in surface waters using suspect screening strategies based on regulatory databases, *17th International Conference on Chemistry and the Environment (ICCE), 16-20 June 2019, Thessaloniki, Greece.*
19. **Postigo C., Andersson A., Harir M., Bastviken D., Gonsior M., Schmitt Kopplin P., Gago-Ferrero P., Ahrens L., Wiberg K.** Mass spectrometry-based analytical approaches to evaluate disinfection byproducts in chemically-disinfected water. *SETAC Europe, Helsinki, Finland, 2019.*
20. **Lai F.Y., Muziasari W., Gros M., Virta M., Wiberg K., Ahrens L.** Screening for a range of antibiotic resistance genes in the Swedish surface water environment. *SETAC Europe, Helsinki, Finland, 2019.*
21. **Ivanova A., Ahrens L., Wiberg K., Dahlberg A-K.** Persistent Organic Pollutants in sediments from rivers in Moldova. *SETAC Europe, Helsinki, Finland, 2019.*
22. **López-Serna R., García D., Bolado S., García-Encina P.A., Lai F.Y., Golovko O., Ahrens L., Wiberg K., Muñoz R.** Removal of 19 Veterinary Drugs during Piggery Wastewater Treatment in Photobioreactors based on Microalgae-bacteria and Purple Phototrophic Bacteria Consortia, *IWAAlgae 2019, Valladolid, Spain, July 1-2, 2019.*
23. **Wiberg K.** SafeDrink och planer för ett nationellt kompetenscentrum kemiska risker. *Nationell dricksvattenkonferens, Västerås, October 23-24, 2018.* Invited speaker.
24. **Tröger R., Ahrens L., Wiberg K.** Screening of organic micropollutants in Sweden's two biggest drinking water sources. *SETAC Asia Pacific, Daegu, Korea, September 16-20, 2018.* Oral presentation.
25. **Dahlberg A.-K., Wiberg K., Apler A., Josefsson S.** Dispersal of Persistent Organic Pollutants from Wood Fiber Contaminated Sediments of Industrial Origin in Sweden, *10th International Conference on Remediation and Management of Contaminated Sediments, February 11-14, 2019, New Orleans, Louisiana, U.S.*

26. **Josefsson S., Apler A., Dahlberg A.-K., Frogner-Kockum P., Göransson G., Sowball I., Wiberg K.** Dispersal pathways of contaminants from organic-rich sediments – a field study of fibrous sediments in northern Sweden. *7th Nordic Joint Meeting on Remediation of Contaminated Sites (NORDROCS), Helsingør, Denmark, Sept 3-6, 2018*. Oral presentation.
27. **Sowball I., Apler A., Dahlberg A.-K., Frogner-Kockum P., Göransson G., Josefsson S., Kopf A., Löfroth G., Paul C., O'Regan M., Wiberg K., Zillén L.** Novel and innovative methods used to characterize two of Sweden's contaminated fiberbank sediments. *7th Nordic Joint Meeting on Remediation of Contaminated Sites (NORDROCS), Helsingør, Denmark, Sept 3-6, 2018*.
28. **Menger F., Ahrens L., Wiberg K., Gago-Ferrero P.** Suspect screening: Halogenated micropollutants in surface waters. *14th Annual LC/MS/MS workshop on environmental applications and food safety, Barcelona, Spain, June 26-27, 2018*. Poster presentation.
29. **Wiberg K.** Tracing micropollutants in raw and drinking water in Sweden, *5th Sapporo Summer Seminar for One Health (SaSSOH), Sept 20-21, Sapporo, Japan, 2017*. Invited key note speaker.
30. **Wiberg K.** Faran med de okända kemikalierna i våra vatten. *Forskare på Slottet, organized by the Governor of the County Board of Uppsala, May 16, 2017*. Invited speaker.
31. **Zhang W., Renman G., Björleinius B., Ahrens L., Blum K., Gago-Ferrero P., Gao Q., Kholoma E.** Removal of micropollutants and nutrients using filter beds for on-site sewage treatment – column and field experiments. *International IWA conference on sustainable solutions for small water and wastewater treatment systems (S<sub>2</sub>Small2017), Nantes, France, October 22-26, 2017*.
32. **Dalahmeh S., Ahrens L., Gros M., Wiberg K., Pell M.** Biochar efficiently removes recalcitrant pharmaceuticals from wastewater. *International IWA conference on sustainable solutions for small water and wastewater treatment systems (S<sub>2</sub>Small2017), Nantes, France, October 22-26, 2017*.
33. **Weiss J., Back P.-E., Berggren Kleja D., Enell A., Engwall M., Fransson M., Hallin S., Jones C., Josefsson S., Larsson M., Rosén L., Taylor A., Viketoft M., Volchko Y., Åberg A., Wiberg K.** Assessment of effects of PAHs on soil functions in contaminated soils. *AquaConSoil 14<sup>th</sup> International Conference, Sustainable Use and Management of Soil, Sediment and Water Resources, Lyon, France, June 26–30, 2017*.
34. **Back P.-E., Hermansson S., Rosén L., Volchko Y., Wiberg K., Fransson M., Enell A.** The protection value of the soil ecosystem. *AquaConSoil 14<sup>th</sup> International Conference, Sustainable Use and Management of Soil, Sediment and Water Resources, Lyon, France, June 26–30, 2017*.
35. **Weiss J., Berggren Kleja D., Enell A., Engwall M., Fransson M., Hallin S., Jones C., Larsson M., Rosén L., Taylor A., Viketoft M., Volchko Y., Åberg A., Wiberg K.** Assessment of effects of PAHs on soils functions in contaminated soils. *SETAC Europe 27<sup>th</sup> Annual Meeting, Brussels, Belgium, May 7–11, 2017*.
36. **Ahrens L., Glimstedt L., Wiberg K., Cato E., Holmström H., McCleaf P., Olsson J.** Mass flows of per- and polyfluoroalkyl substances (PFASs) in a wastewater network and treatment plant. *SETAC Europe 27<sup>th</sup> Annual Meeting, Brussels, Belgium, May 7–11, 2017*.
37. **Tröger R., Ahrens L., Franke V., Glimstedt L., Klöckner P., Kothawala D., Köhler S., Wiberg K.** Tracing micropollutants in raw and drinking water in Sweden. *SETAC Europe 27<sup>th</sup> Annual Meeting, Brussels, Belgium, May 7–11, 2017*.

38. **Wiberg K.** Kemisk förorening från källa till kran - Resultat från SafeDrink. *DRICKS seminar day chemical health risks associated to drinking water, Gävle, October 26, 2016.* Invited speaker.
39. **Wiberg K.** SafeDrink - ett projekt med fokus på kemiska hälsorisker (FORMAS 2013-2017). *Workshop on Kemiska risker, Svenskt Vatten, Stockholm, October 27, 2016.* Invited speaker.
40. **Back P.-E., Hermansson S., Rosén L., Volchko Y., Wiberg K., Fransson M., Enell A.** Does soil have value beyond what it provides humans? *2<sup>nd</sup> Global Soil Security Conference, Paris Dec 5-6, 2016.*
41. **Berggren-Kleja D., Enell A., Weiss J., Back P.-E., Engwall M., Larsson M., Fransson M., Hallin S., Jones C., Rosén L., Taylor A., Viketoft M., Åberg A., Wiberg K.** APPLICERA - Applicable site-specific environmental risk assessment of contaminated soils. *2<sup>nd</sup> Global Soil Security Conference, Paris, France, Dec. 5-6, 2016.*
42. **Gago Ferrero P., Ahrens L., Gros M., Blum K.M., Haglund P., Renman G., Andersson P., Wiberg K.** Evaluation of the efficiency of on-site sewage facilities in the removal of micropollutants and assessment of the impact of their effluents in the receiving aquatic ecosystem. *13th IWA Specialized Conference on Small Water and Wastewater Systems, Sept 14-16, 2016, Athens, Greece.* Poster presentation.
43. **Wiberg K.** FoU för säkert dricksvatten - Kemiska hälsorisker. *DRICKS-externat in Alingsås, Jan 26-27, 2016.* Oral presentation.
44. **Wiberg K.** SafeDrink - Bättre kontroll av hälsofarliga kemiska föroreningar i dricksvatten. *Förbundsträff Mälarens vattenvårdsförbund, Mälaren - en sjö för miljoner, Västerås, Febr. 2-3, 2016.* Invited speaker.
45. **Wiberg K.** Detektion av kemiska hälsorisker i dricksvatten. *Delegation from the network "Towards a non-toxic South-East Asia", coordinated by KemI, SLU, Uppsala, Feb. 11, 2016.* Invited speaker.
46. **Lundqvist J., Tröger R., Le Godec T., Ohlson-Andersson Å., Rosenmai AK, Ahrens A, Wiberg K, Oskarsson A.** In vitro bioassays and chemical analysis of drinking water from source to tap. *Society of Toxicology 55th Annual Meeting in New Orleans, March 13-17, 2016.*
47. **Dürig W., Tröger R, Ahrens L, Wiberg K., Andersson P.** Identification of organic pollutants for suspect screening in water and biota. Abstract submitted to the conference *Non-target screening of organic chemicals for a comprehensive environmental risk assessment, May 29 - June 3, 2016 Ascona, Switzerland.* Poster presentation.
48. **Oskarsson A, Le Godec T, Rosenmai AK, Hellman B, Ahrens L, Tröger R, Wiberg K, Lundqvist J.** Nrf2 as an oxidative stress biomarker of drinking water from source to tap - association with AhR activity and chemical pollutants. SETAC, Nantes, 2016.
49. **Ahrens L, Tröger R, Klöckner P, Lundqvist J, Rosenmai AK, Le Godec T, Oskarsson A, Wiberg K.** Screening of organic contaminants in raw and drinking water from source to tap. SETAC, Nantes, 2016. Oral presentation.
50. **Enell A., Back P.-E., Berggren Kleja D., Engwall M., Fransson M., Hallin S., Jones C., Josefsson S., Rosén L., Taylor A., Viketoft M., Volchko Y., Åberg A., Wiberg K.** APPLICERA - En applicerbar metodik för platsspecifik riskbedömning av effekter på markmiljön. *Annual Renare Mark meeting, March 15-16, 2016, Gothenburg, Sweden.* Oral presentation and workshop.
51. **Andersson P.L., Blum K., Fick J., Ahrens L., Gros M., Wiberg K., Björnelius B., Renman G., Zhang W., Haglund P.** Variation in removal efficiency of micropollutants in on-site sewage facilities studied using target and non-target analysis. *Abstract to 13th IWA Specialized Conference on Small Water and Wastewater Systems and the 5th IWA*

- Specialized Conference on Resources-Oriented Sanitation, Athens, Greece, September 14-16, 2016. Oral presentation.*
52. **Frogner-Kockum P., Kononets M., Josefsson S., Apler A., Paul C.J., Göransson G., Wiberg K., Zillén L., Snowball I.** *Quantification of metal transport from contaminated sediments of industrial origin. ECSA symposium: ECSA 56 Coastal systems in transition: From a 'natural' to an 'anthropogenically-modified' state. September 4-7, 2016, Bremen, Germany.*
  53. **Dürig W., Tröger R., Ahrens L., Wiberg K., Andersson P.** Identification of organic pollutants for suspect screening in water and biota. Abstract submitted to the conference *Non-target screening of organic chemicals for a comprehensive environmental risk assessment, May 29 - June 3, 2016 Ascona, Switzerland.* Poster presentation.
  54. **McCleaf P., Ahrens L., Wiberg K.** PFAS i dricksvatten - förekomst och rening. *4th National Drinking Water Conference, Malmö, Sweden, April 19-20, 2016.* Invited speaker.
  55. **Wiberg K.** SafeDrink - detektion av kemiska hälsorisker. *Analys av vatten från källa till kran. . 4th National Drinking Water Conference, Malmö, Sweden, April 19-20, 2016.* Invited speaker.
  56. **Dürig W., Tröger R., Ahrens L., Wiberg K., Andersson P.** Identification of organic pollutants for suspect screening in water and biota. *Abstract submitted to 6th International Network of Environmental Forensics conference, June 27-30 2016, Örebro University, Sweden.* Poster presentation.
  57. **Dürig W., Tröger R., Ahrens L., Wiberg K., Andersson P.** Identification of organic pollutants for suspect screening in water and biota. *Abstract submitted 21st Nordic Environmental Chemistry Conference, June 20-22 2016, Loka brunn, Sweden.* Poster presentation.
  58. **Dürig W., Tröger R., Ahrens L., Wiberg K., Andersson P.** Identification of organic pollutants for suspect screening in water and biota. *Abstract submitted to the NORMAN network conference Non-target screening of organic chemicals for a comprehensive environmental risk assessment, May 29 - June 3, 2016 Ascona, Switzerland.* Poster presentation.
  59. **Assefa A.T., Tysklind M., Bignert A., Wiberg K.** Past use of chlorophenol is linked to long-term stability of dioxins in fish. *Abstract submitted to the 21st Nordic Environmental Chemistry Conference, June 20-22, 2016, Loka brunn, Sweden.* Oral presentation.
  60. **Holt E., Kočan A., Klánová J., Assefa A.T., Wiberg K.** Spatiotemporal patterns and potential sources of dioxins and PCBs contamination in Scots pine (*Pinus sylvestris*) needles from Europe. *Abstract submitted to the 21st Nordic Environmental Chemistry Conference, June 20-22, 2016, Loka brunn, Sweden.* Oral presentation.
  61. **Gago-Ferrero P., Ahrens L., Gros M., Blum K., Haglund P., Renman G., Andersson P.L., Wiberg K.** Evaluation of the efficiency of on-site sewage facilities in the removal of micropollutants and assessment of the impact of their effluents in the receiving aquatic ecosystem. *Abstract to 13th IWA Specialized Conference on Small Water and Wastewater Systems and the 5th IWA Specialized Conference on Resources-Oriented Sanitation, Athens, Greece, September 14-16, 2016.* Poster presentation.
  62. **Sobek A., Assefa A.T., Cornelissen G., Haglund P., Sundqvist K., Tysklind M., Wiberg K.** POPs in Baltic Sea sediment: Archive of the past and source for the future? *Abstract Contaminated Sediments: Environmental Chemistry, Ecotoxicology and Engineering (ContaSed), March 8-13, 2015, Ascona, Switzerland.* Keynote speaker.

63. **Wiberg K.** Detektion av hälsofarliga ämnen i dricksvatten. Invited speaker to the *National Drinking Water Conference in Uppsala, Sweden, April 14-15, 2015.*
64. **Ahrens L., McCleaf P., Köhler S.J., Ericsson P., Tröger R., Wiberg K.** Per- and polyfluoroalkyl substances (PFASs) in drinking water. Abstract *Tredje nationella dricksvattenkonferensen, Forum för kunskap och diskussion om dricksvatten, Uppsala, Sweden, April 14–15, 2015.*
65. **Ahrens L., Lundgren S., Englund S., Persson C., McCleaf P., Lavonen E., Keucken A., Ericsson P., Köhler S.J., Wiberg K.** Performance assessment of advanced water treatment processes for the removal of per- and polyfluoroalkyl substances (PFASs). Abstract *SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 3-7, 2015.*
66. **Ahrens L., Bergström S., Holmström K., Ribéli E., Wiberg K.** Tracing sources for contamination of per- and polyfluoroalkyl substances in ground and drinking water. Abstract *SETAC Europe 25th Annual Meeting, Barcelona, Spain, May 3-7, 2015.*
67. **Wiberg K.** Högfluorerade kemikalier i yt- och grundvatten - Bör vi oroa oss? Invited speaker to the workshop *Screening och miljögiftsövervakning, Örebro, May 26-27, 2015.*
68. **Wiberg K.** Vattnets innehåll av hälsofarliga kemikalier. *Invited speaker to the seminar Har Sverige bra dricksvatten?, The Royal Swedish Academy of Engineering Sciences (IVA), Stockholm, May 27, 2015.*
69. **Dalahmeh S., Gros M., Wiberg K., Jönsson H., Pell M.** Biochar efficiently removes recalcitrant pharmaceuticals from wastewater. *IWA Water and Industry conference Västerås, June 7-10, 2015.* Oral presentation.
70. **Ahrens L., Bergström S., Gustavsson J., Holmström K., Josefsson S., Nguyen M.A., Ribéli E., Wiberg K.** Aqueous fire-fighting foams as a source of contamination of PFASs in ground and drinking water. Abstract *13<sup>th</sup> International UFZ-Deltares Conference on Sustainable Use and Management of Soil, Sediment and Water Resources (AquaConSoil), June 9-12, 2015, Copenhagen, Denmark.*
71. **Enell A., Josefsson S., Back P-E, Berggren Kleja D., Engwall M., Fransson M., Hallin S., Rosén L., Taylor A, Viketoft M., Åberg A., Wiberg K.** A presentation of the project APPLICERA - Applicable site-specific environmental risk assessment of contaminated soils. Abstract *13<sup>th</sup> International UFZ-Deltares Conference on Sustainable Use and Management of Soil, Sediment and Water Resources (AquaConSoil), June 9-12, 2015, Copenhagen, Denmark.*
72. **Ahrens L., Köhler S., Lundgren S., Englund S., Persson C., McCleaf P., Lavonen E., Keucken A., Ericsson P., Wiberg K.** Removal efficiency of per- and polyfluoroalkyl substances by drinking water treatment processes and the role of natural organic matter. Abstract *NOM6, the 6th International Water Association (IWA) Specialist Conference on Natural Organic Matter in Water, September 7-10, 2015, Malmö, Sweden.*
73. **Pekar H., Ahrens L., Dirks C., Persson K.M., Pott B.-M., Tröger R, Wiberg K.** Screening of pesticides in Lake Vomb using LC-MS/MS, GC-MS/MS and LC-QTOF and consequences for drinking water monitoring. Abstract to *7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), November 3-6, 2015, Prague, Czech Republic.* Poster presentation.
74. **Dalahmeh S., Gros M., Wiberg K., Jönsson H., Pell M.** Biochar efficiently removes recalcitrant pharmaceuticals from wastewater *NORDIWA 2015—Nordic Wastewater Conference, Bergen, Norway, Nov 4-6, 2015.* Poster presentation.
75. **Gros M., Ahrens L., Andersson P., Barceló D., Blum K., Fick J., Haglund P., Jernstedt H., Renman G., Rodríguez-Mozaz S., Wiberg K.** Screening of micropollutants in wastewaters from on-site sewage treatment facilities and evaluation

- of current treatment techniques. Extended abstract submitted to SETAC Europe 25th Annual Meeting, Barcelona, Spain, 2015.
76. **Oskarsson A., Tröger R., Kreuger J., Ahrens L., Wiberg K., Lundqvist J.** Oxidative stress response in samples from surface water and a drinking water treatment plant. *SETAC 54<sup>th</sup> Annual Meeting, March 22-26, 2015, San Diego, U.S.*
  77. **Wiberg K.** FoU för säkert dricksvatten - så detekteras kemiska risker. *Svensk Vatten Utveckling 25 år - då, nu och framtid, Stockholm, December 2-3, 2015.* Invited speaker.
  78. **Bidleman T.F., Agosta K., Andersson A., Arnoldsson K., Brorström-Lundén E., Haglund P., Hansson K., Newton S., Nygren O., Ripszam M., Tysklind M., Wiberg K.** Persistent chemicals in the Baltic Sea: Investigations of sources, pathways and response to climate change scenarios under the EcoChange Programme. *ASLO-AGU Ocean Sciences meeting in Honolulu, February 23-28, 2014.*
  79. **Oskarsson A., Tröger R., Kreuger J., Ahrens L., Wiberg K., Lundqvist J.** Oxidative stress response in samples from surface water and a drinking water treatment plant. *Society of Toxicology's 53rd Annual Meeting, March 24–27, 2014, Phoenix, U.S.* Oral presentation.
  80. **Sobek A., Wiberg K., Sundqvist K.L., Jonsson P., Cornelissen G.** Coastal Bothnian Sea sediments as a source of dissolved PCDD/Fs and PCBs to water. *SETAC Europe 24<sup>nd</sup> annual meeting, May 11-15, 2014, Basel, Switzerland.* Oral presentation.
  81. **Ahrens L., Oskarsson A., Köhler S.J., Hellman B., Wall E., Pekar H., Glynn A., McCleaf P., Tröger R., Wiberg K.** Integrated chemical and toxicological methods for early detection of hazardous chemicals in drinking water. *SETAC Europe 24<sup>nd</sup> annual meeting, May 11-15, 2014, Basel, Switzerland.* Poster presentation.
  82. **Dirks C., Ahrens L., Dryselius R., Wiberg K., Pekar H.** An ESI and APCI LC-MS/MS-based multi-method for fecal source tracking in raw water: passive versus active sampling. *SETAC Europe 24<sup>nd</sup> annual meeting, May 11-15, 2014, Basel, Switzerland.* Poster presentation.
  83. **Ahrens L., Lavonen E., Keucken A., Ericsson P., McCleaf P., Wiberg K., Köhler S.J.** Performance assessment of advanced water treatment processes for the removal of perfluoroalkyl substances (PFASs). *Nordic drinking water conference, Helsinki, June 2-4, 2014.* Poster presentation.
  84. **Ahrens L., Pekar H., Tröger R., Wiberg K.** Passive samplers as a screening tool for organic micropollutants in drinking water. *Nordic drinking water conference, Helsinki, June 2-4, 2014.* Poster presentation.
  85. **Ahrens L., Oskarsson A., Köhler S.J., Hellman B., Wall E., Pekar H., Glynn A., McCleaf P., Tröger R., Wiberg K.** Integrated chemical and toxicological methods for early detection of hazardous chemicals in drinking water. *Nordic drinking water conference, Helsinki, June 2-4, 2014.* Poster presentation.
  86. **Laudon H., Sponseller R., Lidman F., Wiberg K., Klaminder J., Ågren A., Mörth M., Köhler S.J., Bishop K., Futter M.N., Buffam I.** Towards a unified model of stream water quality generation: Elucidating the role of hotspots, landscape heterogeneity and scale in a nested stream network" Abstract, *AGU Chapman Conference on Catchment Spatial Organization and Complex Behavior. Luxembourg City, Luxembourg, Sept 26-28, 2014.*
  87. **Nguyen M.A., Ahrens L., Josefsson S., Ribéli E., Wiberg K.** Per- and polyfluoroalkyl substances (PFASs) in Swedish rivers and the Baltic Sea. Poster presentation at the *24th SETAC European conference, May 11-15, 2014, Basel, Switzerland.* Poster presentation.
  88. **Wiberg K., Ahrens L.** PFASs i vattenmiljön – borde vi oroa oss? Seminariedag om PFASs i miljön, Föreningen Vatten, Linköping, September 4, 2014. Invited speaker.



89. **Wiberg K.** SafeDrink - Integrated chemical and toxicological methods for early detection of hazardous chemicals in drinking water. *The Chemical side of SLU 2+*, Uppsala, Sweden, Aug.19-20, 2014. Oral presentation.
90. **Wiberg K., Assefa A., Bignert A., Cornelissen G., Cousins I.T., Hedman J. E., Miller A., Peltonen H., Sobek A.** How do dioxin-contaminated sediments impact the water column and pelagic biota? *GeoArena, Uppsala, Sweden, Oct 14-15, 2014*. Invited keynote speaker.
91. **Ahrens L., Oskarsson A., Köhler S.J., Hellman B., Wall E., Pekar H., Glynn A., McCleaf P., Tröger R., Wiberg K.** Méthodes chimiques et toxicologiques intégrées pour la détection précoce de substances chimiques dangereuses dans l'eau potable. *Journés Information Eaux 2014, ENSI Poitiers, France*. Poster presentation
92. **Bidleman T.F., Agosta K., Andersson A., Arnoldsson K., Brorström-Lundén E., Haglund P., Hansson K., Newton S., Nygren O., Ripszam M., Tysklind M., Wiberg K.** Persistent chemicals in the Baltic Sea: Investigations of sources, pathways and response to climate change scenarios under the EcoChange Programme. Abstract *Nordic Marine Science Conference: Marine Ecosystems in a Changing Environment, Oslo, Norway, October 28-30, 2013*.
93. **Bidleman T.F., Newton S., Wiberg K., Hansson K., Brorström-Lundén E., Ripszam M., Haglund P., Nygren O., Tysklind M.,** Atmospheric Deposition and Exchange of Persistent Chemicals in Bothnian Bay, Northern Baltic Sea. Abstract *SETAC North America 34<sup>th</sup> Annual Meeting, Nashville, USA, November 2013*, Oral presentation.
94. **Wiberg K.**, Transport and fate of persistent organic pollutants (POPs) in the Krycklan catchment, *Krycklan Symposium, Umeå, October 9, 2013*. Invited speaker.
95. **Wiberg K.**, Persistent organic pollutants - sources, transport and fate, *Seminar series at the Department of Limnology, Uppsala University, Nov 9, 2013*. Invited speaker.
96. **Nguyen M.A., Ahrens L., Josefsson S., Futter M., Laudon L., Wiberg K.** Legacy and emerging pollutants in boreal environments, *ICOS workshop, October 21-22, 2013, Uppsala, Sweden*. Poster presentation.
97. **Wiberg K.** Baltic POPs projektet. Workshop on *Kemikalier och Miljögifter i Gävleborgs län, County Board of Gävleborg, March 19, 2012*. Invited speaker.
98. **Wiberg K.** River-bound transport of persistent organic pollutants (POPs). Workshop on the *Significance of river-bound transport of natural and anthropogenic material for coastal and open-sea ecosystems, Umeå Marine Sciences Centre, Umeå University, and the research programme EcoChange, Umeå March 27-29, 2012*. Invited keynote speaker.
99. **Wiberg K.** Stream and river-bound transport of persistent organic pollutants (POPs). Invited speaker to the PhD research school *Focus on Soil and Water, SLU, Uppsala, April 11, 2012*.
100. **Wiberg K.** BalticPOPs: Managing the dioxin problem in the Baltic environment with focus on sources to air and edible fish. Workshop on *EU Strategy for the Baltic Sea Region, Priority Area 3: Reduce the use and impact of hazardous substances. Polish Ministry of the Environment, Warsaw, Poland, May 10, 2012*. Invited speaker.
101. **Newton S., Bidleman T.F., Wiberg K.** Atmospheric deposition of legacy and emerging Persistent Organic Pollutants in northern Sweden. Abstract *to the SETAC Europe 22<sup>nd</sup> annual meeting / 6<sup>th</sup> SETAC world congress, May 20-24, 2012, Berlin*. Poster presentation.
102. **Miller A., Hedman J., Haglund P., Wiberg K., Bignert A.** Temporal trends in dioxins and dl-PCBs from Baltic herring (*Clupea harengus*). Abstract *SETAC Europe 22<sup>nd</sup> annual meeting / 6<sup>th</sup> SETAC world congress, May 20-24, 2012, Berlin*. Oral presentation.

103. **Wiberg K.**, Östersjön som recipient av miljöföroreningar (The Baltic Sea as a recipient of pollutants), *FORMAS' theme day Framtidens mat (The food of the future)*, February 16-17, 2011. Invited speaker.
104. **Codling G., Bergknut M., Halsall C., Wiberg K., del Vento S., Tysklind M., Laudon H.** Empirical investigation into the fate of organic contaminants during snowmelt in a sub-Arctic snowpack. Abstract *AMAP conference: The Arctic as a messenger for global processes – Climate Change and Pollution*, May 4-6, 2011.
105. **Wiberg K.** Sources, transport, and fate of persistent organic pollutants (POPs). Abstract *The Chemical Side of SLU*, August 25-26, 2011, p.15. Oral presentation.
106. **Assefa A.T., Sundqvist K.L., Cato I., Wiberg K.** Time trends of dioxin levels and source contributions in Baltic Sea sediments Abstract *The Chemical Side of SLU*, August 25-26, 2011, p.15. Poster presentation.
107. **Josefsson S., Schaanning, M., Samuelsson, G., Gunnarsson, J., Wiberg, K.** Efficiency of thin-layer caps amended with carbonaceous materials for in situ remediation of marine sediments contaminated with PCDD/Fs, OCS and HCB. *DIOXIN 2011, 31th International Symposium on Halogenated Persistent Organic Pollutants*, August 21-25, 2011, Brussels, Belgium. Oral presentation.
108. **Wiberg K., Josefsson S.** Sources, fate and transport of persistent organic pollutants - with focus on contaminated sediments, Oct 4, 2011, EAWAG, Zurich, Switzerland. Oral presentation.
109. **Wiberg K., Josefsson S.** Sources, fate and transport of persistent organic pollutants - with focus on contaminated sediments, Oct 7, 2011, Masaryk University, Czech Republic. Oral presentation.
110. **Wiberg K.** Dioxins in the Baltic Sea - tracing sources by measurements and modeling, The Contaminant Science Seminar Series, Nov 9, 2011, ITM, Stockholm University. Invited speaker.
111. **Cornelissen G., Arp H.P., Wiberg K., Næs K., Broman D., Breedveld G.D.** Fate and transport of PAHs, PCBs and PCDD/Fs: from Norwegian fjord estuaries to the open Baltic Sea. Extended abstract *SETAC Europe annual 20<sup>th</sup> meeting in Seville*, May 23-27, 2010. Oral presentation.
112. **Wiberg K.**, Applications of the CalTOX method at site Marieberg, Kramfors. Workshop on *Developments in research on contaminated land management*, organized by Northern Sweden Soil Remediation Center *Lövånger, Sweden. May 10. 2010*. Invited speaker
113. **Bergknut M., Meijer S., Halsall C., Ågren A., Laudon H., Köhler S., Jones K.C., Tysklind M., Wiberg K.** Fate of dioxins in a boreal forest catchment. Abstract *European Geosciences Union (EGU) conference in Vienna*, May 2-7, 2010. Oral presentation.
114. **Josefsson S., Karlsson M., Malmeaus M., Cornelissen G., Wiberg K.** Seasonal variation and partitioning of PCDD/Fs in an estuarine system of the Baltic Sea. *Extended abstract SETAC Europe annual 19<sup>th</sup> meeting in Gothenburg*, June 1-4, 2009. Oral presentation.
115. **Bergknut M., Wiberg K., Josefsson S., Lidman F., Ågren A., Laudon H., Köhler S., Meijer S., Halsall C., Jones K.C., Tysklind M.** Mobilisation of prioritised contaminants in soil and at the soil/water interface - Results from the PERSPEC project. Abstract *12th EuCheMS International Conference on Chemistry and the Environment in Stockholm*, June 14-17, 2009. Poster presentation.
116. **Bergknut M., Wiberg K., Josefsson S., Lidman F., Ågren A., Laudon H., Köhler S., Meijer S., Halsall C., Jones K.C., Tysklind M.** Mobilisation of prioritised contaminants in soil and at the soil/water interface - Results from the PERSPEC project.

- Extended abstract *SETAC Europe annual 19<sup>th</sup> meeting in Gothenburg, June 1-4, 2009*.  
Poster presentation.
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