
Andrew J. Peters BSc, PhD

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Employment

Current:

Bermuda Institute of Ocean Sciences - St. George's, Bermuda

2017-present: Director of Education, University Programs

- Administrative and financial management of undergraduate and postgraduate programs at BIOS

2003-present: Associate Scientist

- Principal Investigator - BIOS Bermuda Environmental Quality Program
- Principal Investigator - Tudor Hill Marine-Atmospheric Observatory, Bermuda
- Environmental monitoring and consultancy services for the Government of Bermuda
- Undergraduate and postgraduate teaching and mentoring

Previous:

NERC Centre for Ecology and Hydrology - Dorset, UK

2000-2003: Research Scientist

- Principal Investigator - Environmental fate and behaviour of organic contaminants
- Establishment and development of chemical ecology research facilities and applications

Lancaster University, Department of Environmental Science - Lancaster, UK

2000: Sessional Lecturer

- Provision of course module (lectures and laboratory classes), "Water Pollution, Regulation and Control" for B.Sc. and M.Sc. Environmental Science degrees

1996-1999: Research Associate

- Management of national air monitoring network for the UK Government's Persistent Organic Pollutants (POPs) programme in support of the UNECE POPs Protocol and the UN Stockholm Convention
- Development of sampling and analytical techniques to study the environmental behaviour and fate of contaminants (organochlorine pesticides, PAHs, PCBs, PBDEs and polychlorinated *n*-alkanes)
- Investigation of organochlorine contaminant time trends in sediments and archived soils

University of Reading, Postgraduate Research Institute for Sedimentology - Reading, UK

1995-1996: Research Fellow

- Investigation of sorption of herbicides in soil and sediment from the London Basin aquifer

Environment Canada, National Water Research Institute - Burlington, Ontario, Canada

1992-1995: NSERC CGL Visiting Fellow

- Determination of the record of the atmospheric flux of POPs to an Arctic glacier
- Investigation of ²¹⁰Pb dating technique for glaciological studies
- Monitoring the fluvial flux of contaminants to the Arctic Ocean

Education

PhD - Polycyclic Aromatic Hydrocarbons in Seasonal Snowcover

1992: Department of Oceanography, University of Southampton, Southampton, UK

- Investigation of PAHs in snowfall and examination of source processes and regions (sup: Dr. M. Tranter)

College Certificate - Advanced Analytical Techniques for Environmental Systems

1989: School of Ocean Sciences, University College of North Wales, Bangor, UK

- Intensive postgraduate course of practical training in environmental analytical chemistry

BSc (Joint Hons.) - Oceanography and Marine Biology

1988: School of Ocean Sciences, University College of North Wales, Bangor, UK

- Chemical Oceanography, Marine Biology, Earth Sciences, Biology, Biochemistry and Soil Science. Degree dissertation: Microbial methanogenesis in near-shore sediments (sup: Drs. G. Floodgate and M. Yarrington)

Academic Honours

NSERC Canadian Government Laboratory Visiting Fellowship

1992: National Water Research Institute, Environment Canada, Burlington, Ontario, Canada (sup: Dr. D. Gregor)

European Environmental Research Organisation Graduate Student Fellowship

1991: Department of Hydrology, University of Bayreuth, Germany (sup: Prof. R. Herrmann)

UKABBSR Scholarship - Hazard Assessment of Marine Contaminants Summer Course

1989: Bermuda Biological Station for Research, Bermuda

Professional Activities

- American Geophysical Union, member
- SOLAS Science and Society Workshops, October 2016 and June 2017, session co-chair
- Panel reviewer for Gulf of Mexico Research Initiative RFP-V (2015) and RFP-VI (2017)
- Reviewer for research grant panels, inc. NSF, NOAA, Leverhulme Trust, Canadian Foundation for Climate and Atmospheric Sciences, Antarctica New Zealand
- Reviewer for academic journals, inc. *Environ. Sci. Technol.*, *Environ. Poll.*, *Chemosphere*
- Bermuda Marine Pollution Contingency Plan, Command Team member (2004-present)
- Scientific Advisor, Bermuda Biodiesel Ltd. (2006-08)
- Adjunct Associate Professor, Duke University, USA (2006-07)
- Adjunct Lecturer, Bournemouth University, UK (2001-02)
- Participant in EU validation of ISO analytical method for alkylphenols in water (2002)
- UN-ECE EMEP Expert Panel on Measurement of POPs in Air and Precipitation (1997-99)
- Participant in Canadian Government IAND Inter-laboratory Study of PAH Analysis (1993-94)

Professional Development

- Analyzing Risk: Science, Assessment and Management (2010) - Harvard School of Public Health
- HYSPLIT Users Workshop (2008) - NOAA
- AERMOD-View Air Dispersion Modelling Workshop (2007) - Lakes Environmental
- Introductory Risk Assessment Guidance For Superfund (2007) - US EPA
- Panel Interviewing Skills (2003) - NERC professional development course
- Essential Line Management Skills (2002) - NERC professional development course
- Project Management (2000) - NERC professional development course

Research Activities and Funding

Pending Funding Applications:

- NSF: *Water Isotopes in the Marine Boundary Layer* \$US TBD

Current Funding (Principal Investigator):

- NSF: *Operation of a Community Marine-Atmospheric Sampling Facility at Tudor Hill, Bermuda, 2018-2021* - \$US 376,491
- NSF: *Research Experience for Undergraduates, Fall Semester Marine Science Research in Bermuda, 2018-2020* - \$US 440,434
- NOAA: *Baseline Surface Radiation Network, Operations Support* - \$US 16,300 per year
- Government of Bermuda: *Bermuda Air Quality Program* - \$US 230,000 per year

Current Funding (Co-Principal Investigator):

- BIOS Cawthorn Innovation Grant: *Eddy covariance: Understanding the environmental regulators of air-sea gas exchange and the importance of the Sargasso Sea for atmospheric CO₂ variability* - \$100,000

Previous Funding (Principal Investigator):

- NSF: *Operation of a Community Marine-Atmospheric Sampling Facility at Tudor Hill, Bermuda, 2017-2018* - \$US 99,336
- Government of Bermuda: *Bermuda Air Quality Program, 2003-present* - \$US 230,000 per year
- NSF: *Operation of a Community Marine-Atmospheric Sampling Facility at Tudor Hill, Bermuda, 2014-2017* - \$US 289,010
- NSF: *Collaborative Research: Emergency Funding for Repair of the BIOS Tudor Hill Marine Atmospheric Observatory* - \$32,081
- NSF: *Augmentation of Existing REU Site Awards, 2014-2015* - \$US 25,207
- NSF: *Research Experience for Undergraduates, Fall Semester Marine Science Research in Bermuda, 2013-2014* - \$US 275,987
- NSF: *Operation of a Community Marine-Atmospheric Sampling Facility at Tudor Hill, Bermuda, 2011-2014* - \$US 234,818
- NSF: *Research Experience for Undergraduates, 2012-2013* - \$US 107,623
- Government of Bermuda: *Dockyard Monitoring Program, 2010-2012* - \$US 172,216
- NSF: *Collaborative Research: The Processing and Radiative Properties of Aerosols over the Western North Atlantic Ocean at Bermuda, 2008-2009* - \$US 107,557
- Government of Bermuda: *Bermuda Mercury Program, 2005-2007* - \$US 266,000
- Government of Bermuda: *BBSR Centennial Equipment Grant, 2003* - \$US 100,000
- NERC: *Participation in ISO Method Testing for Nonylphenol in Water, 2002* - £UK 2,300
- NERC: *Contaminants in Sediment Pore Water, 2001-2002* - £UK 13,000
- UK water supply company: *Control of Chironomid Midges, 2001* - £UK 36,000

Previous Funding (Co-Principal Investigator):

- Bermuda Waterworks Ltd: *Environmental Assessment of a Sea Water Reverse Osmosis Outfall, 2017-2018* - \$209,136
- NSF: *Collaborative Research: Isotopic and Compositional Investigation of the Sources and Interactions of Reactive N in the Marine Atmosphere at Bermuda, 2011-2013* - \$US 139,499
- NSF: *Operation of a Community Marine-Atmospheric Sampling Facility at Tudor Hill, Bermuda, 2008-2011* - \$US 225,694
- Government of Bermuda: *Contaminants in Groundwater, 2004* - \$US 20,000
- UK Food Standards Agency: *Impact of Water Pollution on Food Safety, 2002* - £UK 17,800

Current External Collaborations:

- Dr. H-C. Steen-Larsen, Geophysical Institute, University of Bergen, Norway: *Isotopic composition of water vapour in the atmosphere of the North Atlantic*
- Dr. T. Harner: Meteorological Service of Canada: *Air sampling for POPs*

Previous Collaborative Partners:

- Dr. M. Hastings, Brown University and Drs. D. Sigman and K. Altieri, Princeton University: *Cycling and atmospheric sources of reactive nitrogen in the Atlantic Ocean*
- Dr. K. Schönrogge, CEH Dorset: *The chemical ecology of tritrophic relationships*
- Drs. J.N. Cape, U. Skiba and A. Meharg, ITE Edinburgh, UK: *Air-surface contaminant fluxes*
- Dr. D.A. Lane, Meteorological Service of Canada: *Field testing of an annular denuder air sampler*
- Drs. G. Stern and G. Tomy, DFO, Canada: *Analysis of polychlorinated n-alkanes*
- Drs. R.M. Koerner and D.A. Fisher, Geological Survey of Canada: *Glaciological investigation of atmospheric deposition of POPs and ²¹⁰Pb in the Arctic*

Teaching Experience

Bermuda Institute of Ocean Sciences (2003-present):

• ***Taught Courses***

- BIOS Fall Semester Program - Instructor (2017-present)
- BIOS Summer Course - Modern Observational Oceanography, Instructor (2016-present)
- BIOS-Lehigh University - Oceans and Human Health Course, Instructor (2016-present)
- BIOS-Furman University - Oceans and Human Health Course, Instructor (2013-present)
- BIOS-POGO - Centre of Excellence in Observational Oceanography, Co-Director (2012-2013), Instructor and Admissions Panel (2008-2013)
- BBSR-Duke University - "Beaufort to Bermuda" Program, Instructor (2006-2007)
- BBSR Graduate Summer Course - Marine Ecotoxicology, Instructor (2003-2004)

• ***Student Research Supervision and Mentoring*** (* = co-mentor)

- NSF Research Experiences for Undergraduates Program:
 - 2012-14 and 2017-present: Program Director
 - 2014-present: Instructor and seminar leader
 - 2004-present: Mentor
 - *Students and Projects:*
 - 2016: C. Harris*, Univ. North Carolina, *H and O isotopes in water vapour and precipitation*
 - 2013: H. Specht, Cornell Univ., *Hydrocarbons in aged oil deposits on Bermuda's shoreline*
 - 2012: J. Rendon, Old Dominion Univ., *Coprostanol in near-shore sediments, Bermuda*
 - 2011: A. Compaan, Univ. North Florida, *PCBs in surface water of the N. Atlantic*
 - 2010: S. Loomis, Eckerd College, *Air quality in Bermuda and regional meteorology*
 - 2009: D. Wyse, George Mason University, *Plastics and POPs in the ocean*
 - 2008: M. Melendez*, University of Puerto Rico, *Marine carbonate dissolution*
 - 2007: K. Darling*, University of California-Berkeley, *Lipids in ocean particle flux traps*
 - 2006: C. Strong, Butler University, *PCBs in the marine atmosphere*
 - 2005: A. Siu, University of California-Berkeley, *Passive sampling of SO₂/NO₂ in air*
 - 2004: P. Pawelzik, State Univ. New York-Syracuse, *Contaminants in groundwater*
- UK-BIOS Associates Research Internship:
 - 2017: C. White, Univ. Plymouth, *Organic nitrogen in marine aerosols*

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- Princeton University-BIOS Intern Program:
 - 2012: J. Bocarsly*, *Atmospheric sources of lignin to the surface ocean*
 - 2012: K. Pickering*, *Ecotoxicity of copper in marine sediments*
 - 2011: Y. Zheng*, *Measurements of organic N in the marine atmosphere*
 - 2010: A. Gobel*, *Organic N and major ions in the marine atmosphere*
 - 2007: M. Pecora-Saipe, *Sources of mercury in Bermuda.*
 - Trent University-BIOS Graduate Intern Program:
 - 2010: M. McInnes, *Air-sea exchange of nonylphenol and nonylphenolethoxylates*
 - BIOS-Galbraith Scholarship Intern Program:
 - 2009: K. Barr, Eckerd College, USA. *HCHs in the marine atmosphere*
 - BIOS Research Intern Program:
 - 2016: I. Salvaterra, Boston College, USA. *Air quality and human health in Bermuda*
 - 2008: B. Li, UBC/UNBC, Canada. *Cost-benefit analysis of waste disposal in Bermuda*
 - 2007: C. Funkey, Univ. of Mary Washington, USA. *PAHs in ambient air in Bermuda*
 - 2003: A. Hewitt, Queen's University, Canada. *GIS mapping of metals in Bermuda soil*
 - BIOS Bermuda Program:
 - 2017: R. Stovell, George Washington Univ. *Water quality in Bermuda water tanks*
 - 2014: S. Antonition, Plymouth University. *Emissions inventory for mercury in Bermuda*
 - 2013: W. Halliday*, *Trace metals in macroalgae from the Sargasso Sea*
 - 2012: M. Johnston, Saltus Grammar School. *Meteorology and air quality in Bermuda*
 - 2010: K. Vance, Pacific Union College, USA. *Sewage sterols in near-shore sediment*
 - 2005: J. Bush and M. Gardner, *Laboratory interns*

Bermuda College (2018):

- Instructor - Professional Training Seminar: Drinking Water Quality Control, June 2018

NERC Centre for Ecology and Hydrology (2000-2002):

- Course administration and provision of lectures - Environmental Quality in Rivers for Bournemouth University, School of Conservation Sciences, M.Sc. Environmental Quality degree

Lancaster University, Department of Environmental Science (1996-2000):

- Provision of module on Water Pollution, Regulation and Control for B.Sc. and M.Sc. Environmental Science degrees (ENV353 and ENV404)
- Supervision of M.Sc. and Ph.D. graduate student research activities
- Presentation of B.Sc. Environmental Science lectures

University of Southampton, Department of Oceanography (1988-1992):

- Supervision of Chemical Oceanography component of residential field course for B.Sc. Oceanography programme
- Teaching assistant for B.Sc. Oceanography classes and supervision of B.Sc. research projects

Fieldwork Experience

Extensive experience of environmental sampling and monitoring of air, water, soil and sediments, including:

- Management of the BIOS Tudor Hill Marine Atmospheric Observatory (2008-present)
- Operation of meteorological and ambient air quality monitoring stations in Bermuda (2003-present)
- Design and implementation of an island-wide soil, water and sediment survey, Bermuda (2005)
- Study of permethrin for controlling nuisance midge swarms at a UK water treatment plant (2000)
- Air sampling and monitoring for POPs at multiple locations in England and Scotland (1996-1999)
- Sampling for POPs and ²¹⁰Pb, Agassiz Ice Cap, Ellesmere Island, NWT, Canada (1993-1995)
- Sampling of Arctic river systems for organic contaminants, NWT, Canada (1992)
- Collection of snow samples for the determination of PAHs, Cairngorm Mountains, Scotland and Montmorency Field Station, INRS-Eau, Université du Québec, Canada (1988-1991)

Symposia and Workshop Activities and Contributions

- 2019:** EGU General Assembly, Vienna, Austria
2018: GEO-REU Workshop, Boulder, USA
2017: International Workshop on Marine and Atmospheric Sciences in West Africa, Mindelo, Cape Verde
2016: SOLAS Science and Society Workshop, Brussels, Belgium
2015: AGU Fall Meeting, San Francisco, USA
2015: EGU General Assembly, Vienna, Austria
2013: AGU Fall Meeting, San Francisco, USA
2013: EGU General Assembly, Vienna, Austria
2012: AGU Fall Meeting, San Francisco, USA
2011: SETAC North America Annual Meeting, Boston, USA
2011: 10th International Conference on Mercury as a Global Pollutant, Halifax, Canada
2010: AGU Fall Meeting, San Francisco, USA
2009: 9th International Conference on Mercury as a Global Pollutant, Guiyang, China
2009: International Conference on Nucleation and Atmospheric Aerosols, Prague, Czech Rep.
2008: ASLO 2008 Ocean Sciences Meeting, Orlando, USA
2006: 8th International Conference on Mercury as a Global Pollutant, Madison, USA
2003: 1st International Coral Reef Ecotoxicology and Health Workshop, BBSR, Bermuda
2002: CEH Annual Conference, Nottingham University, UK
2002: CEH Wetland Research: Scoping Study Workshop, Somerset, UK
2001: CEH Workshop on Aquatic Ecotoxicology, CEH Windermere, UK
2000: CEH Workshop on Hydrology and Freshwater Ecology, CEH Wallingford, UK
1999: 17th International Symposium on Polycyclic Aromatic Compounds, Bordeaux, France
1999: Dioxin99: Halogenated Environmental Organic Pollutants, Venice, Italy
1998: Dioxin98: Halogenated Environmental Organic Pollutants, Stockholm, Sweden
1997: EMEP Expert Meeting on Measurements of POPs in Air and Precipitation, Lillehammer, Norway.
1997: 7th Annual Meeting of SETAC-Europe, Amsterdam, Netherlands
1996: COST-66 International Workshop on Pesticides in Soil and the Environment, Stratford, UK
1995: 2nd Annual Workshop on Organic Contaminants in Soil, Water and Sediment, University of Reading, UK
1995: 2nd SETAC World Congress, Vancouver, Canada
1995: NATO Advanced Research Workshop, Il Ciocco, Italy
1995: Northern Contaminants Program, Institute of Ocean Sciences, Sidney, Canada
1994: Workshop on Techniques for POPs Measurement in Northern Environments, Waterloo, Canada
1993: Northern Contaminants Program Progress Meeting, DFO, Winnipeg, Canada
1993: International Symposium on the Ecological Effects of Airborne Contaminants, Reykjavik, Iceland

Publications

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Submitted and In Press:

1. Marandino, C., van Doorn, E., Açma, B., Brévière, E., Campen, H., Carou, S., Cocco, E., Czernski, H., Endres, S., Hilmi, S., Hopkins, F., Johnson, M., Liss, P., Maes, F., Mårtensson, M., McDonald, N., Oeffner, J., Oloyede, M., Peters, A., Quack, B., Singh, P. and Thomas, H. (sub.) Towards a synthesized understanding of the links between biogeochemical air-sea interactions and the social sciences via large-scale knowledge integration – A SOLAS Initiative. Submitted to *Ambio*

Peer-Reviewed Journals:

27. Benetti, M., Lacour, J.-L., Sveinbjörnsdóttir, A.E., Aloisi, G., Reverdin, G., Risi, C., Peters, A.J. and Steen-Larsen, H.C. (2018) A framework to study mixing processes in the marine boundary layer using water vapor isotope measurements. *Geophysical Research Letters* **45**:2524-2532, doi: 10.1002/2018GL077167
26. Benetti, M., Steen-Larsen, H.C., Reverdin, G., Sveinbjörnsdóttir, A.E., Aloisi, G., Berkelhammer, M.B., Bourlès, B., Bourras, D., de Coetlogon, G., Cosgrove, A., Faber, A., Grelet, J., Hansen, S.B., Johnson, R., Legoff, H., Martin, N., Peters, A.J., Popp, T.J., Reynaud, T. and Winther, M.N. (2017) Stable isotopes in the atmospheric marine boundary layer water vapour over the Atlantic Ocean, 2012-2015. *Scientific Data* **4**:160128, doi: 10.1038/sdata.2016.128
25. Berkelhammer, M., Steen-Larsen, H.C., Cosgrove, A., Peters, A.J., Johnson, R. and Hayden, M. (2016) Radiation and atmospheric circulation controls on carbonyl sulfide concentrations in the marine boundary layer. *Journal of Geophysical Research: Atmospheres* **121**, 13,113-13,128, doi:10.1002/2016JD025437
24. Altieri, K.E., Fawcett, S.E., Peters, A.J., Sigman, D.M. and Hastings, M.G. (2016) Marine biogenic source of atmospheric organic nitrogen in the subtropical North Atlantic. *Proceedings of the National Academy of Sciences* **113**:925-930, doi:10.1073/pnas.1516847113
23. Altieri, K.E., Hastings, M.G., Peters, A.J., Oleynik, S. and Sigman, D.M. (2014) Isotopic evidence for a marine ammonium source in rainwater at Bermuda. *Global Biogeochemical Cycles* **28**:1066-1080
22. Steen-Larsen, H.C., Sveinbjörnsdóttir, A.E., Peters, A.J., Masson-Delmotte, V., Guishard, M.P., Hsiao, G., Jouzel, J., Noone, D., Warren, J.K. and White, J.W.C. (2014) Climatic controls on water vapor deuterium excess in the marine boundary layer of the North Atlantic based on 500 days of in situ, continuous measurements. *Atmospheric Chemistry and Physics* **14**:7741-7756
21. Peters, A.J. and Siuda, A.N.S. (2014) A review of observations of floating tar in the Sargasso Sea. *Oceanography* **27**(1):217–221
20. Gobel, A.R., Altieri, K.E., Peters, A.J., Hastings, M.G. and Sigman, D.M. (2013) Insights into anthropogenic nitrogen deposition to the North Atlantic investigated using the isotopic composition of aerosol and rainwater nitrate. *Geophysical Research Letters* **40**:1-6
19. Altieri, K.E., Hastings, M.G., Gobel, A.R., Peters, A.J. and Sigman, D.M. (2013) Isotopic composition of rainwater nitrate at Bermuda: The influence of air mass source and chemistry in the marine boundary layer. *Journal of Geophysical Research: Atmospheres* **118**:11,304-11,316

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18. McInnes, M.A., Ellis, D.A., Webster, E.M. and Peters, A. (2013) Sea spray and the atmospheric transport of nonylphenol ethoxylates. A combined laboratory, field and modeling study. *Atmospheric Environment* **69**:304-312
 17. Altieri, K.E., Hastings, M.G., Peters, A.J. and Sigman, D.M. (2012) Molecular characterization of water soluble organic nitrogen in marine rainwater by ultra-high resolution electrospray ionization mass spectrometry. *Atmospheric Chemistry and Physics* **12**:3557-3571
 16. Shoeib, M., Vlahos, P., Harner, T., Peters, A., Graustein, M. and Narayan, J. (2010) Survey of polyfluorinated chemicals (PFCs) in the atmosphere over the northeast Atlantic Ocean - Bermuda, Sable Island and coastal USA. *Atmospheric Environment* **44**:2887-2893
 15. Peters, A.J., Weidner, K.L. and Howley, C.L. (2008) The chemical water quality in roof-harvested water cisterns in Bermuda. *Journal of Water Supply: Research and Technology-AQUA* **57**:153-163
 14. Bates, N.R. and Peters, A.J. (2007) The contribution of atmospheric acid deposition to ocean acidification in the subtropical North Atlantic Ocean. *Marine Chemistry* **107**:547-558
 13. Harner, T., Pozo-Gallardo, K., Gouin, T., Macdonald, A.M., Hung, H., Caine, J. and Peters, A. (2006) Global pilot study for persistent organic pollutants (POPs) using PUF disk passive air samplers. *Environmental Pollution* **144**:445-452
 12. Schönrogge, K., Wardlaw, J.C., Peters, A.J., Everett, S., Thomas, J.A. and Elmes, G.W. (2004) Changes in chemical signature and host specificity from larval retrieval to full social integration in the myrmecophilous butterfly *Maculinea rebeli* (Lepidoptera: Lycaenidae). *Journal of Chemical Ecology* **30**: 91-107
 11. Peters, A.J., Armitage, P.D., Everett, S.J. and House, W.A. (2003) Control of nuisance chironomid midge swarms from a slow sand filter. *Journal of Water Supply: Research and Technology-AQUA* **52**:109-118
 10. Meijer, S., Halsall, C.J., Peters, A.J., Harner, T.J., Johnston, A.E. and Jones, K.C. (2001) Organochlorine pesticide residues in archived UK soil. *Environmental Science and Technology* **35**:1989-1995
 9. Peters, A.J., Jones, K.C., Flower, R.J., Appleby, P.G., Ramdani, M., Kraiem, M.M. and Fathi, A.A. (2001) Recent environmental change in North African wetland lakes: A baseline study of organochlorine contaminant residues in sediments from nine sites in the CASSARINA project. *Aquatic Ecology* **35**:449-459
 8. Peters, A.J., Lane, D.A., Gundel, L.A., Northcott, G.L. and Jones, K.C. (2000) A comparison of high volume and diffusion denuder samplers for measuring semi-volatile organic compounds in the atmosphere. *Environmental Science and Technology* **34**:5001-5006
 7. Lane, D.A., Peters, A.J., Gundel, L.A., Jones, K.C. and Northcott, G.L. (2000) Gas/particle partition measurements of PAH at Hazelrigg, UK. *Polycyclic Aromatic Compounds* **20**:225-234
 6. Gregor, D.J. and Peters, A.J. (2000) Comment on "Delayed deposition of organochlorine pesticides at a temperate glacier". *Environmental Science and Technology* **34**:2871-2872
 5. Peters, A.J., Tomy, G.T., Jones, K.C., Coleman, P. and Stern, G.A. (2000) Occurrence of C₁₀-C₁₃ polychlorinated n-alkanes in the UK atmosphere. *Atmospheric Environment* **34**:3085-3090
 4. Rae, J.E., Cooper, C.S., Parker, A. and Peters, A. (1998) Pesticide sorption onto aquifer sediments. *Journal of Geochemical Exploration* **64**:263-276

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3. Peters, A.J., Gregor, D.J., Wilkinson, P. and Spencer, C. (1997) The deposition of ²¹⁰Pb to the Agassiz Ice Cap, Canada. *Journal of Geophysical Research* **102 (D5)**:5971-5978
 2. Peters, A.J., Gregor, D.J., Teixeira, C., Jones, N. and Spencer C. (1995) The recent depositional trend of polycyclic aromatic hydrocarbons and elemental carbon to the Agassiz Ice Cap, Ellesmere I., Canada. *Science of the Total Environment* **160/161**:167-179
 1. Gregor, D.J., Peters, A.J., Teixeira, C., Jones, N. and Spencer C. (1995) The historical residue trend of PCBs in the Agassiz Ice Cap, Ellesmere I., Canada. *Science of the Total Environment* **160/161**:117-126

Other Journals, Abstracts and Proceedings:

14. Sveinbjörnsdóttir, A.E., Lacour, J-L., Steen-Larsen, H.C. and Peters, A. (2019) Relation between the water isotopic composition in the North Atlantic marine boundary layer and the boundary layer dynamic. *Geophysical Research Abstracts* **21**, EGU2019-18398
13. Steen-Larsen, H.C., Sveinbjörnsdóttir, A.E., Peters, A.J., Masson-Delmotte, V. (2015) Climatic controls on water vapor deuterium excess in the marine boundary layer of the North Atlantic based on 500 days of in situ, continuous measurements. *Geophysical Research Abstracts* **17**, EGU2015-10838
12. Steen-Larsen, H.C., Sveinbjörnsdóttir, A.E., Werner, M., Risi, C., Yoshimura, K., Peters, A. and Rosset, J. (2013) Continuous water vapor isotopic composition observations in the sub-tropical North Atlantic (Bermuda). *Geophysical Research Abstracts* **15**, EGU2013-6847.
11. Steen-Larsen, H.C., Sveinbjörnsdóttir, A.E., Peters, A. and Rosset, J. (2012) Monitoring the water vapor isotopic composition in the sub-tropical North Atlantic. *Geophysical Research Abstracts* **14**, EGU2012-1563.
10. McInnes, M., Peters, A.J. and Ellis, D.A. (2011) The measurement of nonylphenol in aqueous aerosols and marine waters in the Bermuda coastal region and Atlantic Ocean. *Abstracts of the Society of Environmental Toxicology and Chemistry North America 32nd Annual Meeting, Boston, USA.*
9. Meléndez, M., Andersson, A. and Peters, A. (2009) Estimates of calcium carbonate dissolution rates under elevated CO₂ conditions in Devil's Hole, Bermuda. *Abstracts of the 38th Annual Benthic Ecology Meeting, Corpus Christi, Texas, March 4-7, 2009.*
8. Ceburnis, D., Dupuy, R., Morcrette, J.-J., O'Dowd, C.D. and Peters, A.J. (2009) Validation of aerosol chemical components predicted by ECMWF IFS model. *Proc. Intern. Conf. on Nucleation and Atmospheric Aerosols 2009.*
7. Peters, A.J., Coleman, P. and Jones, K.C. (1999) Organochlorine pesticides in UK air. *Organohalogen Compounds* **41**:447-450
6. Jones, K.C., Howsam, M., Lee, R.G.M., A. Peters, Smith, K., Sweetman, A. and Thomas, G.O. (1999) Recent studies on air-terrestrial surface exchange of POPs in the UK. *Abstracts of Papers of the American Chemical Society* **217**:090-ENVR
5. Peters, A.J., Tomy, G.T, Stern, G.A. and Jones, K.C. (1998) Polychlorinated *n*-alkanes in the atmosphere of the United Kingdom and Canada: Analytical methodology and evidence of the potential for long-range transport. *Organohalogen Compounds* **35**:439-442

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4. Gregor, D.J., Koerner, R.M., Fisher, D., Bourgeois, J., Nriagu, J., Alae, M., Peters, A., Lawson, G., Jones, N. and Doubleday, N. (1994) The historical record of persistent organic pollutants and trace metals in glacial snow/ice. in: *Environmental Studies 72, Synopsis of Research Conducted Under the 1993/94 Northern Contaminants Program*, Environment Canada, Ottawa.
 3. Alae, M., Barrie, L., Gregor, D. and Peters, A. (1994) Polychlorinated dibenzodioxins/furans in the Arctic environment. in: *Environmental Studies 72, Synopsis of Research Conducted Under the 1993/94 Northern Contaminants Program*, Environment Canada, Ottawa.
 2. Gregor, D.J., McDonald, S., Ross, D., Brumwell, C., Whitley, G., Palmer, M., Alae, M., Peters, A., Teixeira, C. and Jones, N. (1993) Current contaminant deposition measurements in precipitation. in: *Env. Studies 70, Synopsis of Research - 1992/93 Northern Contaminants Program*, Environment Canada, Ottawa.
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