

Curriculum Vitae

Last name, First name: de Voogt, Pim

Gender: Male

Nationality: Dutch

Overall Scientific Expertise:

M.Sc. in analytical chemistry, majors: chemical oceanography, environmental analytical chemistry. Ph.D. on the use of quantitative structure-activity relationships for the prediction of environmental behavior of polynuclear heteroaromatic hydrocarbons. Research topics: influence of heavy metals and smoking on human tissue; fate and metabolism of persistent organic compounds and polar emerging contaminants in the environment. Expertise: environmental chemistry, physicochemical compound properties, sewer epidemiology, development and quality assurance of analytical methods for identification and quantitation of organic chemicals, including complex mixtures (e.g. PCBs, flame retardants, PAHs/azaarenes, surfactants, perfluorinated compounds, legal and illicit drugs, carbon nanoparticles) and their degradation products in environmental matrices.

Professional Experience

| Years employed from – to | Title of position | Employer – name and location | Areas of professional specialisation |
|--------------------------|---|---|---|
| 2006 - | Professor | Institute for Biodiversity and Ecosystem Dynamics (IBED) - University of Amsterdam, Amsterdam (NL) | Chair: Chemistry of emerging water contaminants; environmental chemistry analytical chemistry, ecotoxicology, risk assessment, analysis |
| 2006 - | Professor | KWR Watercycle Research Institute, Nieuwegein (NL) | Water chemistry, sewer epidemiology, analytical chemistry, nanoparticles |
| 1992 – 2006 | Associate professor, head of phys-chem laboratory | Department of Environmental and Toxicological Chemistry, Amsterdam Research Institute for Substances in Ecosystems (ARISE) and IBED - University of Amsterdam, Amsterdam (NL) | environmental analytical chemistry, ecotoxicology, QSAR |
| 1991-1992 | Senior Researcher | National Institute for Coastal and Marine Management (RIKZ), Ministry of Transport and Public Works. The Hague | Exposure assessment, exposure modeling |
| 1990-1991 | Senior research associate | Special Analytical Laboratory (ItM) of the Stockholm University/Swedish Environmental Protection Agency, Solna, Sweden | Analytical chemistry of POPs and transformation products in marine biota; long range transport of POPs |
| 1981- | Assistant | Institute for Environmental | Environmental and human |

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|-----------|-------------------------------|--|---|
| 1990 | professor, head of laboratory | Studies (IES) of the Free University (VU) Amsterdam (NL) | exposure to heavy metals and POPs; development of analytical |
| 1978-1980 | Research associate | Department of Gynaecology and Obstetrics, Wilhelmina Gasthuis, Amsterdam, NL | Influence of exposure to heavy metals and smoking on human placental tissue |

Educational Background

| Year | Degree awarded | Educational Institution – name and location | Areas of educational specialisation* |
|------|----------------|---|--|
| 1990 | Ph. D. | Free University, Amsterdam (NL) | Environmental Chemistry, QSAR, POPs |
| 1978 | M.Sc. | Utrecht University, Utrecht (NL) | Environmental analytical chemistry, chemical oceanography, didactics |

Memberships in Scientific Advisory Bodies/Committees/Panels:

- Member of the CEN (Commission for European Normalisation) Working Group 22 on Determination of PCBs in Waste Mineral Oils.
- Member of the CEN/TC 382 on PFOS
- Consultant for the Dutch Ministry for Environmental Protection in the matter of PCB analysis in waste streams
- Member of the Dutch Commission on Environmental Guidelines for PCBs
- Consultant in environmental analysis for the Community Bureau of References (BCR), Commission of the European Communities, Brussels.
- Member of the Dutch Health Council Committee on Environmental Chemicals and Reproduction
- Member of the Dutch Health Council Committee on Atmospheric Transport of Pesticides
- Chairman of the board of the International Centre of Water Studies (ICWS) in Amsterdam from its founding in 1983 until 1990.
- Member of the 2000 and 2002 Scientific Evaluation Committee of the CEFIC Long Range Initiative, CEFIC, Brussels
- Member of the Dutch Health Council Committee on Guidelines for Soil Screening and Intervention
- Member of the Dutch Soil Protection Technical Committee (TCB) 2003-
- Member of several project and programme evaluation panels for EU, including evaluation panel EU programme GROWTH
- Research Core Leader of the Research School Socio-Economic and Natural Sciences of the Environment (SENSE)
- Invited to act as evaluator for Ludwig Boltzmann Society, Austria; Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning, Sweden; Kentucky Science and Engineering Foundation, USA; FWO Research Foundation Flanders, Belgium; WIMEK Wageningen University, the Netherlands; Health Canada.
- Member of the European Food Safety Authority (EFSA), Working Group on Perfluorooctane sulphonates (PFOS)

Memberships in Learned Societies:

Presently member in:

Society of Environmental Toxicology and Chemistry (SETAC)

Member elect of the Council of SETAC Europe (1993-1999)
Treasurer of SETAC Europe (2000-2003)
American Chemical Society (ACS)
Section Environmental Chemistry of the Royal Dutch Society of Chemistry (KNCV)

Memberships in Editorial Boards:

Environmental Toxicology and Chemistry
Reviews of Environmental Contamination and Toxicology

List of Publications:

Publications peer reviewed (journals, monographs): ~200
H-index: 26

Key publications 2009-2013

1. Bijlsma L, Emke E, Hernández F, de Voogt P (2013) Performance of the linear ion trap Orbitrap mass analyzer for qualitative and quantitative analysis of drugs of abuse and relevant metabolites in sewage water. *Anal. Chim. Acta* 768, 102– 110
2. Eschauzier C, Beerendonk EF, Scholte-Veenendaal P, de Voogt P (2012) Impact of treatment processes on the occurrence of perfluoroalkyl acids in the drinking water production chain. *Environ. Sci. Technol.* 46, 1708-1715
3. De Voogt P, Zurano L, Serné P, Haftka JJH (2012) .Experimental hydrophobicity parameters of perfluorinated alkylated substances from reversed-phase HPLC. *Environ. Chem.* 9, 564-570
4. Felizeter S, McLachlan M, de Voogt P (2012), Uptake of perfluorinated alkyl acids by hydroponically grown lettuce (*Lactuca sativa*). *Environ. Sci. Technol.* 46, 11735–11743
5. Schriks M, Heringa MC, van der Kooi MME, de Voogt P, van Wezel AP (2010) Toxicological relevance of emerging contaminants for drinking water quality. *Water Res.* 44, 461-476
6. D'Hollander W, de Voogt P, De Coen W, Bervoets L (2010) Perfluorinated substances in human food and other sources of human exposure. *Rev. Environ Contam. Toxicol.* 208, 179-215
7. Hogenboom AC, van Leerdam JA, de Voogt P (2009) Accurate mass screening and identification of emerging contaminants in environmental samples by liquid chromatography-LTQ FT Orbitrap mass spectrometry. *J Chromatogr. A* 1216, 510–519
8. Van Wezel A, Puijker L, Vink C, Versteegh A, de Voogt P (2009) Odour and flavour thresholds of gasoline additives (MTBE, ETBE and TAME) and their occurrence in Dutch drinking water collection areas. *Chemosphere* 76, 672-676