CV Paul van den Brink

Personal information

Family name:	Van den Brink
First names:	Paulus Johannes
Date of birth:	21 June 1968
Nationality:	Dutch
Websites	http://www.stressecology.eu https://www.wur.nl/en/persons/paul-prof.dr.ir.-pj-paul-van-den-brink.htm

Employer (2005 – current)

Name:	Aquatic Ecology and Water Quality Management group, Wageningen University
Position:	Full professor of chemical stress ecology
Address:	Wageningen University & Research, P.O. Box 47, 6700 AA, Wageningen, The Netherlands
Phone:	+31-317-481615
Email:	Paul.vandenBrink@wur.nl

Past employer (1992 – 2023)

Name:	Environmental Risk Assessment group, Wageningen Research
Position:	Senior scientist
Address:	Wageningen University & Research, P.O. Box 47, 6700 AA, Wageningen, The Netherlands

Ancillary activities and volunteer work

Institution	Position	Period
European Food Safety Authority	Member of the PPR panel	2024 – current
"Bergcommissie", commission that advises Wageningen on "de Wageningse berg"	Member	2022 – current
Journal "Environmental Management"	Associated editor	2019 – current
Primary school "G.J. van den Brinkschool"	Board member and treasurer	2018 – 2023
NORMAN network (https://www.norman-network.net/)	Steering committee member	2020 – 2023
Wageningen Institute for Environment and Climate Research (WIMEK)	Board member	2017 – 2023
South China Normal University	Visiting professor	2017 – 2021
University of York	Honorary visiting professor	2012 – 2020
Canadian River Institute	Associate fellow	2008 – 2020
Journal "Toxics"	Associated editor	2018 – 2020
SETAC, the Society of Environmental	President of the World	2011 – 2013

Toxicology and Chemistry	Council (incl. vice and past)	
SETAC, the Society of Environmental Toxicology and Chemistry	President of the European Council (incl. vice and past)	2008 – 2011
Journal "Environmental Toxicology and Chemistry"	Editor	2007 – 2017

Education

Institution Wageningen University

From	To	Degree	Major subjects
1986	1992	MSc	Environmental Sciences
1992	1999	PhD	Agricultural and environmental sciences (ecological risk-assessment of pesticides)
	2019	University Teaching Qualification	

Bibliography

Paul J. Van den Brink is a personal professor at the Aquatic Ecology and Water Quality Management Group of Wageningen University. Paul chairs the Chemical Stress Ecology subgroup comprising 16 PhD students, a Postdoc, several MSc students and himself. He supervises and executes international projects assessing the ecological effects of contaminants, such as pesticides and pharmaceuticals, often in a multiple-stressor context that includes their interaction with climate change, drought, nutrients, and salinisation. Other research topics include the development of effect models (e.g., individual-based, meta-population models, ecoinformatics, expert-based AI models), trait-based methods, and tropical ecotoxicology. Since 1995, Paul van den Brink has published over 300 ISI-listed papers (h-index = 68; Scopus), for which he has won three international prizes. He also co-edited five books. Paul coordinated the EU-funded Innovative Training Network ECORISK2050, which studied the effects of global change on the emission, fate, effects, and risks of chemicals in aquatic ecosystems, as well as the NWO project EMERCHE (Effect-directed Monitoring tools to assess Ecological and Human Health Risks of Chemicals of Emerging Concern in the Water Cycle). In 2006, Paul won the LRI-SETAC Innovative Science Award of €100,000, and in 2023, the SETAC Capacity Building Award. He also organised and took part in many international workshops and courses. He is also a past president of SETAC (Society of Environmental Toxicology and Chemistry; www.setac.org) World and Europe, and a SETAC Fellow. Currently, he is a member of the Panel on Plant Protection Products and their Residues (PPR) of the European Food Safety Authority (EFSA).

Bibliometric data

	SCOPUS	Google Scholar
Total list of publications:	316	618
h-index:	68	88
Total citations:	16,648	24,4963

Awards

Year	Award
2000	SETAC best publication award on environmental research
2003	ECETOC Science Award, in the category 'Environmental Fate and Effects'

	(€ 10.000)
2006	CEFIC-LRI, SETAC Europe Innovative Science Award (€ 100.000)
2013	University Fund Wageningen and KLV Wageningen Alumni Network MSc thesis award in the field of environmental sciences (as supervisor)
2015	Environmental Toxicology and Chemistry 2015 Best Paper Award won by Andreu Rico (as co-author)
2016	SETAC Fellows Award
2019	Environmental Toxicology and Chemistry 2018 Exceptional Paper Award (as co-author)
2023	SETAC Capacity Building Award
2025	MilieuChemie en Toxicologie (MCT) PhD Thesis Award won by Annika Mangold-Döring (as supervisor)

National media

Channel	Title	Date
NOS news site	Poison proves more deadly for aquatic insects as temperatures rise	24-07-2025
"NOS Radio 1 journaal" on the National Radio 1	Poison proves deadlier to insects as temperatures rise (min 120, in Dutch)	24-07-2025
Newspaper "Trouw"	Insects suffer more from the heat if they also ingest poison (in Dutch)	23-07-2025
Newspaper "Nederlands Dagblad"	Scientists: Ban pesticides now, don't wait for irrefutable evidence (in Dutch)	26-06-2025
Newspaper "de Volkskrant"	Opinion: Ban pesticides in flower cultivation, even though there is no evidence of their risks yet (in Dutch)	23-06-2025
Newspaper "Noordhollands Dagblad"	The quality of Dutch water is so poor that a crisis is looming: 'We started twelve years too late' (in Dutch)	04-01-2025
Newspaper "de Volkskrant"	Opinion: Is the fear of poison really exaggerated? The sharp boundaries are there for a reason (in Dutch)	11-10-2024
Newspaper "Dagblad van het Noorden"	Our ditch water is not getting cleaner (in Dutch)	21-09-2024
"Nieuws en co" on the National Radio 1	Discharges and water quality of the Meuse (min 14, in Dutch)	09-09-2024
Newspaper "de Volkskrant"	Meuse water quality insufficiently protected against PFAS pollution; should we be concerned? (in Dutch)	09-09-2024
Online newspaper "nu.nl"	Blue-green algae, PFAS and faecal bacteria: this is how clean swimming water is in the Netherlands (in Dutch)	27-08-2024
Newspaper "de Volkskrant"	The sewage water is full of medicine residues and cosmetics, which should be cleaner, according to the EU (in Dutch)	21-05-2024
RTL news TV broadcast	Water quality of ditches and puddles is unhealthy: 'It's really going in the wrong direction' (in Dutch)	06-11-2023
RTL news site	Water quality of ditches and puddles is unhealthy: 'It's really going in the wrong direction' (in Dutch)	06-11-2023

Spraakmakers on the National Radio 1	What is the quality of the surface water? (in Dutch)	13-09-2023
Newspaper “de Volkskrant”	The water quality of the Rhine is getting worse instead of better (in Dutch)	05-09-2023
Newspaper “De Gelderlander”	Polluted Enka Groundwater remains a problem for Ede residential areas: 'Not a pleasant idea if I lived there' (in Dutch)	27-06-2023
Magazine of Wageningen University & Research	No ENKA pipeline, but concerns remain (in Dutch)	16-03-2023
Newspaper “De Gelderlander”	Many questions about the cancellation of the ENKA grease pipe (in Dutch)	08-03-2023
Pointer Radio on the National Radio 1	The ENKA grease pipe (min 31, in Dutch)	12-02-2023
Nieuws en Co on the National Radio 1	Effects of psychopharmaceutics on aquatic ecosystems (min 17-21, in Dutch)	30-01-2023
Magazine of Wageningen University & Research	A big fail for water quality (in Dutch)	20-12-2022
Newspaper “De Gelderlander”	Experts baffled by polluted groundwater discharged from Enka factory on the Rhine (in Dutch)	30-09-2022
Newspaper “de Volkskrant”	Water quality in the Netherlands is at the bottom of the European ranking – is it really that bad? (in Dutch)	03-06-2022
Newspaper “de Volkskrant”	Insects retain more and longer heavy pesticides than thought (in Dutch)	16-12-2021
Newspaper “de Volkskrant”	Water quality is below average almost everywhere in the Netherlands: new 'nitrogen-like debacle' threatens (in Dutch)	18-11-2021
Investigative Journalism Platform “Follow the Money”	Toxicologist Tennekes was right about bee deaths all along (in Dutch)	18-04-2020
Newspaper “de Volkskrant”	An alarming study on insect venom is 'just too late' to be able to approve the drug (in Dutch)	14-05-2019
Newspaper “de Volkskrant”	Dutch ditches, streams and canals are a lot dirtier than we think (in Dutch)	07-03-2019
Television news provided by the Dutch NOS broadcasting organisation	Neonicotinoids (in Dutch)	09-04-2015
Newspaper “de Volkskrant”	Devastation by insecticides turns out to be bigger than thought (in Dutch)	09-04-2015
Newspaper “NRC”	Poison plague: first the bees, now the birds (in Dutch)	12-07-2014
Newspaper “de Volkskrant”	Insects and birds disappear because of poison (in Dutch)	10-07-2014

Acquisition and project management (2008 - present)

Projects with PhD students and/or PostDocs (total: € 5.191.600,-)

Start year	Name project	Funder	PhD/ PostDoc

2024	BOM: Multiplex receptor bioassay for the online monitoring of water quality	TKI	1 PhD
2024	SYBERAC: Towards a SYstems-Based, holistic Environmental Risk Assessment of Chemicals	EU	1 PhD
2024	Early EnSa: Early detection of the effects of organic chemicals towards the environment	Industry	1 PhD
2023	Impact of agricultural chemicals on the ecology & ecosystem of the Lake Tana sub-basin wetlands	Schlumberger Foundation	1 PhD
2023	Effects of chemicals of emerging concern on aquatic ecosystems under climate change	LPDP	1 PhD
2023	QTOX: Quantitative extrapolation in ecotoxicology	EU	1 PhD
2022	RATION: Risk assessment innovation for low-risk pesticides	EU	1 PhD
2022	Effects of PFOS on aquatic ecosystems	PEEF	1 PhD
2021	Effects of antibiotics on aquatic ecosystems.	CSC	1 PhD
2020	PsychoPharmac'eau: Psychopharmaceutical Prevention & Pilots to Reduce Effects in the water cycle	NWO	1 PhD
2019	GetReal: Assessing spatial and temporal variability in species assemblages and potential implications for chemical risk assessments	CEFIC	1 PhD 1 PostDoc
2018	Mechanisms of toxicity of neonicotinoid insecticides towards aquatic arthropod species	CSC	1 PhD
2018	ECORISK2050: Effects of global change on the emission, fate, effects and risks of chemicals in aquatic ecosystems.	EU	2 PhD
2017	EMERCHE: Effect-directed monitoring tools to assess ecological and human health risks of chemicals of emerging concern in the water cycle.	NWO	1 PhD
2016	Influence of ecosystem complexity on the ecological effects of pesticides.	CSC	1 PhD
2016	Ecological Risk Assessment of Chemicals in a Central Ethiopian Rift Valley Lake: An Ecosystem Services Approach	NUFFIC	1 PhD
2016	Development of ecological archetypes and models for use in chemical risk assessment	Consumer goods company	1 PhD
2014	Effects of agrochemicals on aquatic ecosystem and fish biodiversity	NUFFIC	1 PhD
2013	Fate and effects of personal care ingredients in subtropical and tropical sediments	Consumer goods company	1 PhD
2012	Biological control of Schistosomiasis using molluscivorus freshwater fishes	NUFFIC	1 PhD
2012	Post-registration monitoring of pesticide-induced environmental and human health risks in Ghana.	Ghana go-vernment	1 PhD
2011	Assessing the effects of chemicals in untreated household wastewater on the ecosystems of rivers in developing regions	Consumer goods company	2 PhD 1 PostDoc
2011	Environmental Risk Assessment of Pesticides in	Dutch Ministry	1 PhD

	Ethiopia	of Economic Affairs	
2009	CREAM. Mechanistic Effect Models for Ecological Risk Assessment of Chemicals	EU	1 PhD 1 PostDoc
2009	SEAT, Sustainable Ethical Aquaculture Trade	EU	1 PhD 1 PostDoc
2009	Adaptive capacity and functionality of multitrophic aquatic ecosystems	WIMEK / SENSE	1 PhD

Projects without PhD students and/or PostDocs (total: € 4.454.000,-)

Start year	Name project	Funder
2025	SEFAP: Smart Experimental Facilities for Aquatic Processes	NWO
2024	EESE: EU Environmental scenarios for ERA of non-target organisms	EFSA
2022	AENEAS: Advancing the environmental risk assessment of non-target arthropods for plant protection products	EFSA
2020	PRECAUTION: Predicting the sensitivity of aquatic communities to emerging chemicals: A modelling toolbox for the cross-species extrapolation of chemical sensitivity	Consumer goods company and the Dutch government
2020	ANTIVENOM: ANTIfoulants, VEterinary MediciNal Products and Organic Material can affect marine sediment organisms, but to what extent?	Norwegian Research Council
2018	Key factor toxicity: effect-based monitoring and mixture toxicity	Dutch ministry of infrastructure and water
2018	Chemicals Assessment of Risks to Ecosystem Services II	CEFIC
2018	Development of effect models for the ecological risk assessment of pesticides	Dutch Ministry of Economic Affairs
2016	Tools for Assessment and Planning of Aquaculture Sustainability	EU
2015	Chemicals Assessment of Risks to Ecosystem Services	CEFIC
2015	Development of ecological archetypes and models for use in chemical risk assessment	Consumer goods company
2014	Development of ecological scenarios for the ecological risk assessment of pesticides	Dutch Ministry of Economic Affairs
2009	Professorship Paul van den Brink	WUR
2013	AquaStress	Belgian Science Policy Office
2013	CHIMERA: Towards a more ecologically realistic assessment of chemicals in the environment	CEFIC
2013	SOLUTIONS: Solutions for present and future emerging pollutants in land and water resources management	EU
2013	Recovery and multistress	Dutch Ministry of Economic Affairs
2010	Models chemical stress	WUR
2011	Evaluation of test methods for measuring toxicity to sediment organisms	CEFIC
2010	Pesticide Risk Reduction Programme – Ethiopia	Dutch Ministry of Economic Affairs

2008	Metapopulation modelling	Chemical industry
2008	A model for integrated risk assessment of pesticide use in the Brazilian Amazon	WUR

PhD students

Tatiana Siniakova (September 2024 – current). Multiplex receptor bioassay for the online monitoring of water quality. Funded by the knowledge and innovation funds of the Dutch government. Based at Wageningen Plant Research. Supervised by Maurice Henquet.

Ann Marielle Evarita (August 2024 – current). Testing the water: transdisciplinary approach to risk assessments and harm reduction strategies to water pollution in the Philippines. PhD project funded by the Wageningen Graduate Schools (WGS) Sandwich PhD programme. Supervised by Anita Hardon.

Dana Bashkir (June 2024 – current). Ecological modelling in environmental risk assessment. PhD project funded by the EU. Based at Wageningen Environmental Research. Supervised by Louise Wipfler and Bas Buddendorf.

Giulia Cafiero (March 2024 – current). Understanding species sensitivity to chemicals. PhD project funded by industry. Based at Wageningen Environmental Research. Supervised by Sanne van den Berg and Ivo Roessink.

Banchiamlak Getnet (September 2023 – current). Impact of agricultural chemicals on the ecology & ecosystem of the lake Tana sub-basin wetlands. PhD project funded by the Schlumberger Foundation.

Imroatushshoolikhah (September 2023 - current). Effects of chemicals of emerging concern on aquatic ecosystems under climate change. PhD project funded by Lembaga Pengelola Dana Pendidikan, or the Indonesia Endowment Fund for Education (LPDP).

Judith Epping (March 2023 – current). Effects of low-risk pesticides on aquatic ecosystems. PhD project funded by the EU.

Lea Grenc (March 2023 – current). Eco(toxico)logical modelling of the combined effects of chemicals and climate change. PhD project funded by the EU. Based at Radboud University Nijmegen. Supervised by Jan Hendriks.

Pierina Rivas (February 2023 – current). Extrapolation of ecotoxicological effects in a changing climate. PhD project funded by the EU.

Venja Schoenke (February 2023 – current). Eco(toxico)logical modelling lab-field extrapolation. PhD project funded by the EU. Based at Radboud University Nijmegen. Supervised by Jan Hendriks.

Vera van Santvoort (February 2023 – current). Community-wide micro-evolutionary adaptation to anthropogenic stress: context dependency and ecological implications. PhD project funded by the Netherlands Organisation for Scientific Research (NWO). Based at NIOO. Supervised by Steven Declerck.

Ayesha Siddiqa (December 2021 – current). Effects of PFOS on aquatic ecosystems. PhD project funded by The Punjab Educational Endowment Fund (PEEF).

Dailing Wu (March 2021 – current). Effects of antibiotics on aquatic ecosystems. PhD project funded by the China Scholarship Council (CSC).

Aafke Saarloos (January 2020 - current). Chemical threats en route: risks of contaminants for migratory birds. Based in the sub-department of Toxicology. Supervised by Nico van den Brink.

Shuwen Han (September 2019 – current). Facing interactive effects of multiple stressors in a changing world: possibilities and limitations of rapid microevolutionary adaptation. PhD project funded by the China Scholarship Council (CSC). Based at NIOO. Supervised by Steven Declerck.

Jadipa Khatikarn (August 2011 - current). Assessing the effects of chemicals in untreated household wastewater on the ecosystems of rivers in Thailand. Unfunded PhD project.

(Co-)supervised completed PhD theses

Kaisheng Yao (2025). Ecological effects of chemical contaminants on sub-tropical aquatic ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Elien Versteegen (2025). Behavioural effects of psychopharmaceuticals and their ecological relevance in aquatic environments. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Marelize Labuschagne (2024). Adverse Outcome Pathways to assess the effects of pesticides on aquatic macroinvertebrates. PhD thesis North-West University, Potchefstroom, South Africa. Co-supervisor.

Markus Hermann (2023). Interactive effects of stress posed by global climate change and chemicals on aquatic ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Annika Mangold-Döring (2023). Modelling the effect of temperature and chemicals at different levels of biological organisation. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Lara Schuijt (2023). Aquatic life on drugs. Assessing the ecological impacts of pharmaceuticals on aquatic ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Anna Huang (2022). Inter- and intra-species sensitivity of aquatic arthropods to imidacloprid and flupyradifurone. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Zhao Qinghua (2021). The influence of horizontal and vertical biodiversity on the effects of stressors on aquatic ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Lemessa Merga (2021). Impacts of anthropogenic activities on the ecology and ecosystem service delivery of Lake Ziway, Ethiopia. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Sanne van den Berg (2020). Improving cross-species extrapolation of chemical sensitivity. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Michael Onwona-Kwakye (2020). Pesticide-induced environmental risks: A field study in Ghana. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Fengjiao Peng (2018). Ecological risks of personal care ingredients for subtropical benthic communities. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Kizar Ahmed Sumon (2018). Effects of insecticides on aquatic ecosystems in Bangladesh. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Jacqueline Augusiak (2016). Improving communication and validation of ecological models - A case study on the dispersal of aquatic macroinvertebrates. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Berhan Teklu (2016). Environmental risk assessment of pesticides in Ethiopia: A case of surface water systems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Concillia Monde (2016). Impact of natural and anthropogenic factors on the trophic interactions of molluscivores and Schistosoma host snails. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Mauricio Rocha Dimitrov (2016). Assessing the effects of chemicals on aquatic microbial ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Noel Diepens (2015). Evaluation of test methods for measuring toxicity to sediment organisms. PhD thesis Wageningen University, Wageningen, The Netherlands. Co-supervisor

Andreu Rico (2014). Environmental risk assessment of veterinary medicines used in Asian aquaculture. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Mazhar Iqbal Zafar (2012). Extrapolation of effects of pesticides on aquatic communities and ecosystems across different exposure patterns. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Nika Galic (2012). Assessing recovery potential of aquatic macroinvertebrate populations using ecological models. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Tahla Ansara-Ross (2011). Environmental and human risk in pesticide use in Southern Africa. PhD thesis University of Johannesburg, Johannesburg, South Africa. Co-supervisor.

Mascha N. Rubach (2010). Predicting the response of aquatic invertebrates to stress using species traits and stressor mode of action. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Stephen J. Maund (2009). The aquatic ecotoxicology of the synthetic pyrethroids: from laboratory to landscape. PhD Thesis Wageningen University, Wageningen, The Netherlands. Supervisor.

Michiel A. Daam (2007). Influence of climatic factors and microcosm complexity on the fate and effects of pesticides. PhD Thesis University of Aveiro, Aveiro, Portugal. Co-supervisor.

Experience in Third countries

Paul has long-term cooperation and/or projects with counterparts in Europe, Canada, Brazil, Ghana, South Africa, Ethiopia, Bangladesh, Thailand, Vietnam and China.

Conferences, Training and Lecturing

<u>International conferences</u>

On average, 3 - 5 times a year, he gives a platform presentation at (SETAC) conferences, for which he is often invited. He also served many times as (co-)chair. He was also a member of the scientific committee for several SETAC conferences and the local organising committee for the SETAC Europe meeting in The Hague in 2006.

<u>Keynote and invited presentations</u>

Van den Brink, P.J. (2025). What makes chemicals persistent in terms of their aquatic ecotoxicity? 29-09-2025. 19th International Symposium on Persistent Toxic Substances and Health, Seoul, Republic of Korea.

Van den Brink, P.J. (2025). Pesticides Peril (together with Nico van den Brink). Science Café Wageningen 16-04-2025. Wageningen, The Netherlands

Van den Brink, P.J. (2024). Background to the European Horizon Scanning process, final themes, and questions. Special Session on the “Establishment of a Science-Policy Panel

to Contribute Further to the Sound Management of Chemicals, Waste, and Pollution Prevention". SETAC Europe conference, Seville, Spain.

Van den Brink, P.J. (2023). Effects of pharmaceuticals on aquatic ecosystems. 15th International Congress of the European Association for Veterinary Pharmacology and Toxicology, Bruges, Belgium.

Van den Brink, P.J. (2023). The interactive effects of climate change and chemicals on aquatic ecosystems. 2nd International Conference on Climate Change & Environment. Quaid-i-Azam University, Islamabad in collaboration with Pakistan EPA, Islamabad, Pakistan.

Van den Brink, P.J. (2020). Personal reflections on the top 4 research questions from the European horizon-scanning workshop. 9th Young Environmental Scientists Meeting, SETAC, Waco TX, USA.

Van den Brink, P.J. (2019). Assessing and Extrapolating of Effects of (Multiple) Stressors at Different Levels of Biological Organisation. The 6th national ecotoxicology conference, Guangzhou, China.

Van den Brink, P.J. (2019). Effects of Imidacloprid on aquatic ecosystem. 2019 International symposium on chemical risk prediction and management (ISCRPM-2019), Guangzhou, China.

Van den Brink, P.J. (2017). Towards Sustainable Environmental Quality: Priority Research Needs for Europe. SETAC Europe 2017 meeting, Brussels, Belgium.

Van den Brink, P.J. (2015). Diagnosis of field impacts of chemicals from monitoring and experimental data. SASAqS (The Southern African Society of Aquatic Scientists) 2015 Conference, Drakensberg, South Africa.

Van den Brink, P.J. (2013). Assessing aquatic population and community level risks of pesticides. SETAC Europe 2013 meeting, Glasgow, UK.

Van den Brink, P.J. (2010). Risk assessment of effects of agrochemicals on irrigation water quality. 28th International Horticultural Congress, Lisbon, Portugal.

Van den Brink, P.J. (2010). The effects of climate change on the pesticide sensitivity and recovery potential of aquatic ecosystems. 12th IUPAC International Congress of Pesticide Chemistry, Melbourne, Australia.

Van den Brink, P.J. (2009). 'Putting the eco into ecotoxicology': a lesson from J. Cairns Jr. from 1988 is still contemporary in 2009. 30th annual meeting of SETAC North America, New Orleans, USA.

Van den Brink, P.J. (2009). Ecological Risk Assessment: From Book-Keeping to Chemical Stress Ecology. 2nd CSTS (Cameroon Society for Toxicological Sciences) international conference, Dschang, Cameroon.

Van den Brink, P.J. (2009). Trait based Ecological Risk Assessment of chemicals, does taxonomy matters? SASAqS (The Southern African Society of Aquatic Scientists) 2009 Conference, Magaliesberg, South Africa.

Van den Brink, P.J. (2009). Patterns, socio-economic issues and effects of pesticide use in Asia, South Africa and South America. 19th annual meeting of SETAC Europe, Göteborg, Sweden.

Van den Brink, P.J. (2009). Career talk at the Young Environmental Scientists Meeting of SETAC Europe. 1st SETAC Young Environmental Scientists meeting, Landau, Germany.

Van den Brink, P.J. (2006). Assessing ecosystem health and impairment by species traits and their relation to stressors. International Conference on Pesticide Use in Developing Countries, Arusha, Tanzania.

Van den Brink, P.J. (2002). Multivariate Techniques: an Advanced Group of Methods to Link Biological and Chemical Data. Interact2002 meeting, Sydney, Australia.

Van den Brink, P.J. (2001). Effects of remediation on sediment contaminant composition, sediment toxicity and benthic community structure in the delta of the rivers Rhine and

Meuse. 6th International Conference of the Aquatic Ecosystem Health and Management Society (AEHMS), Amsterdam, The Netherlands

Courses and trainings lectured

Paul is the coordinator and examiner of the course "Chemical Stress Ecology and Ecotoxicology" (6 credits) and "Trending Topics in Biology and Chemistry of Soil and Water" (6 credits), and a lecturer and examiner in the "Environmental Risk Assessment of Chemicals" (6 credits) taught at Wageningen University. The "Chemical Stress Ecology and Ecotoxicology" course has been evaluated by the students as very good (4.2 out of 5) and the contribution of Paul as excellent (4.6 out of 5). Since 1998, he has taught over 30 courses, mainly on the ecological risk assessment of chemicals and the use of multivariate statistical methods for analysing ecotoxicological data sets. Most of these courses were tailor-made and were held in Europe, Canada, USA, Costa Rica, Cameroon, Tanzania, South Africa, Vietnam, Australia and New Zealand. He was also teaching for several years in the Erasmus Intensive Program "Pollution in Europe".

Key Publications

Van den Brink, P.J. (2008). Ecological risk assessment: from book-keeping to chemical stress ecology. Environ. Sci. Technol. 42: 8999 – 9004.

Hermann, M., M.K. Amekor, E. Contrucci, A.M. Evarita, E.T.H.M. Peeters and P.J. Van den Brink (2025). Multiple stressor effects of a neonicotinoid, heatwaves, and elevated temperatures on aquatic insect emergence. Environ. Sci. Technol. 59: 14226−14238.

Van den Brink, P.J. (2024). Temperature induced changes in species distribution increases sensitivity of aquatic invertebrate communities to chemicals. Global Change Biology 30: e17284.

Van den Brink, P.J., A.B.A. Boxall, L. Maltby, B.W. Brooks, M.A. Rudd, T. Backhaus, D. Spurgeon, V. Verougstraete, C. Ajao, G.T. Ankley, S.E. Apitz, K. Arnold, T. Brodin, M. Cañedo-Argüelles, J. Chapman, J. Corrales, M-A. Coutellec, T.F. Fernandes, J. Fick, A.T. Ford, G. Giménez Papiol, K.J. Groh, T.H. Hutchinson, H. Kruger, J.V.K. Kukkonen, S. Loutseti, S. Marshall, D. Muir, M.E. Ortiz-Santaliestra, K.B. Paul, A. Rico, I. Rodea-Palomares, J. Römbke, T. Rydberg, H. Segner, M. Smit, C.A.M. van Gestel, M. Vighi, I. Werner, E.I. Zimmer and J. van Wensem (2018). Towards sustainable environmental quality: priority research questions for Europe. Environ. Toxicol. Chem. 37: 2281-2295

Van den Brink, P.J. and C.J.F. Ter Braak (1999). Principal Response Curves: analysis of time-dependent multivariate responses of a biological community to stress. Environ. Toxicol. Chem. 18: 138-148. Won the SETAC best publication award on environmental research for the year 2000.

Schuijt, L.M., F-J. Peng, S.J.P. van den Berg, M.M.L. Dingemans and P.J. Van den Brink (2021). Ecotoxicological tests for assessing impacts of chemical stress to aquatic ecosystems: facts, challenges, and future. Science of the Total Environment. 795: 148776.

Publications (extended list)

PhD Thesis

Van den Brink, P.J. (1999). Ecological and statistical evaluation of effects of pesticides in freshwater model ecosystems. PhD Thesis Wageningen University, Wageningen, The Netherlands.

Peer-reviewed papers

306 Wu, D., K. van Gijn, L. Schuijt, M. van Venetië, G-G. Ying, H. Smidt and P.J. van den Brink (Submitted). The ecological gain of using bioactivated carbon and ozone sewage treatments assessed using freshwater microcosms.

305 Wyckhuys, K.A.G., O. Dangles, C. Krupke, F. Sanchez-Bayo, J.F. Tooker and P.J. van den Brink (Submitted). Generative AI could steer farmers away from resilience.

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