

Curriculum Vitae

Last name, First name: Johnson, Andrew **Gender:** Male

Nationality: British

Overall Scientific Expertise

B.Sc. in Microbiology followed by a PhD in Soil Science at Reading University in 1988 studying aluminium toxicity to bacteria. Research topics have included the fate of contaminants in soil, groundwater and rivers, predicting exposure to wildlife and looking at impacts on abundance and biodiversity. Contaminants have included pesticides, metals, endocrine disrupting chemicals, pharmaceuticals, nanoparticles and microplastics. Of particular relevance was a comprehensive survey of risk assessment methods and how best to assess relative chemical risks carried out for Defra (UK Govt.).

Professional Experience

Years employed from - to	Title of position	Employer – name and location	Areas of professional specialisation
2000 -	Principal Scientific Officer	Centre for Ecology & Hydrology, Wallingford (UK)	Exposure and risk assessment in rivers and soils from chemical contaminants
2012 -	Visiting Professor	Brunel University (UK)	Risk assessment and modelling techniques
2008	Visiting Professor	Kyoto University (Japan)	Behaviour of estrogen conjugates in sewage and rivers
1996-2000	Senior Scientific Officer	Institute of Hydrology, Wallingford (UK)	Pesticide fate in groundwater and EDCs in rivers
1992-1996	Higher Scientific Officer	Institute of Hydrology, Wallingford (UK)	Pesticide fate movement and loss in soil and subsurface
1988-1992	Research Fellow	Reading University (UK)	Groundwater microbial processes

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
1988	PhD	Reading University (UK)	aluminium toxicity to the bacteria Rhizobium
1985	BSc	Reading University (UK)	Microbiology (associated with Biochemistry)

Memberships in Scientific Advisory Bodies/Committees/Panels:

- Co-Chair of Science Advisory Group for the Environment Agency of England since 2018
- Member of the Hazardous Substances Advisory Committee (Defra) advising UK government on issues of chemicals policy and risks since 2015
- Hydrological expert for the Environment Tribunal (UK Courts of Justice) advising and arbitrating in cases of Nitrate Vulnerable Zones designation in the UK since 2012
- Advisory member for Brunel University Institute for the Environment Panel on MSc Courses
- Funding Panel member for the FORMAS (Sweden) FNR CORE Programme (grant evaluations) in Luxembourg
- Grant evaluator for KNR (Saudi Arabia Research Council), AFR (French Research Council), GRIS (Czech Research Council), CNR (Italian Research Council), NERC (UK).

Memberships in Learned Societies

Society of Environmental Toxicology and Chemistry (SETAC)

Memberships in Editorial Boards

Member of Editorial board of Current Opinions in Environmental Science and Health (Elsevier)

Publications

As of December 2021, peer reviewed publications: 140

H-index: 49

Some relevant examples:

Johnson, A.C., Sumpter, J.P., Depledge, M.H. (2021). The Weight of Evidence approach and the need for greater international acceptance of its use in tackling questions of chemical harm to the environment. *Environmental Toxicology and Chemistry*, 40, 2968-2977.

Johnson, A.C., Jin, X., Nakada, N. Sumpter, J.P. (2020). Learning from the past and considering the future of chemicals in the environment. *Science*, 367, 384-387.

Johnson, A.C., Donnachie, R.L, Sumpter, J.P., Monika D. Jürgens, M.D., Moeckel, C., Pereira, M.G. (2017). An alternative approach to risk rank chemicals on the threat they pose to the aquatic environment. *Science of the Total Environment*, 599-600, 1372-1381.

Johnson, A.C., Sumpter, J.P. (2016). Are we going about chemical risk assessment for the aquatic environment the wrong way? *Environmental Toxicology and Chemistry*, 35, 1609-1616.

Johnson, A.C., Keller, V., Dumont, E., Sumpter, J.P. (2015). Assessing the concentrations and risks of toxicity from the antibiotics ciprofloxacin, sulfamethoxazole, trimethoprim and erythromycin in European rivers. *Science of the Total Environment*, 511, 747-755.

Johnson, A.C., Sumpter, J.P. (2014). Putting pharmaceuticals into the wider context of challenges to fish populations in rivers. *Philosophical Transactions of the Royal Society B*, 369, 20130581.

Harris, C.A., Scott, A.P., Johnson, A.C., Panter, G.H., Sheahan, D., Roberts, M., Sumpter, J.P. (2014). Principles of Sound Ecotoxicology. *Environmental Science and Technology*, 48, 3100-3111.

Sumpter, J.P., Donnachie, R.L., Johnson, A.C. (2014). The apparently very variable potency of the anti-depressant floxetine. *Aquatic Toxicology*, 151, 57-60.

Johnson, A.C., Dumont, E., Williams, R.J., Oldenkamp, R., Cisowska, I., Sumpter J.P. (2013). Do concentrations of ethinylestradiol, estradiol and diclofenac in European rivers exceed proposed EU environmental quality standards? *Environmental Science and Technology* 47, 12297-12304.

Jurgens M.D., Johnson, A.C., Jones, K.C., Hughes, D., Lawlor, A.J. (2013). The presence of EU priority substances mercury, hexachlorobenzene, hexachlorobutadiene and PBDEs in wild fish from four English rivers. *Science of the Total Environment*, 461-462, 441-452.