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Equipe

Biogéochimie environnementale et écotoxicologie



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✉ [Courriel](#)

I am an environmental chemist with more than 20-year experience in trace element chemical speciation, bioavailability and impact to aquatic microorganisms. Presently I am a Full Professor in Environmental Biogeochemistry and Ecotoxicology, at the Department for Environmental and Aquatic Sciences and the Institute for Environmental Sciences at the University of Geneva, and a Vice president of the School of Earth and Environmental Sciences. Between July 2011 and July 2017 I have served as a director of Department for Environmental and Aquatic Sciences. Previous positions I held include Lecturer at the University of Geneva, Professor Fellow of SNF at the Swiss Federal Institute of Technology Lausanne (EPFL).

At present my research interests include: (i) Speciation and bioavailability inorganic contaminants, such as mercury, and (nano)particles in aquatic systems; (ii) Molecular ecotoxicology and effect of contaminants and nanoparticles on physiology, metabolome and transcriptome of aquatic microorganisms. Biomarkers; (iii) In-situ determination of the impact of contamination by lab-on-a-chip. Biosensors; (iv) Population and community ecotoxicology and biodiversity in aquatic systems. Bioindicators.

Currently, I am teaching different classes for the Bachelor students at the Section of Earth and Environmental Sciences, for Master students enrolled in the interdisciplinary Master of Environmental Science given within the ISE, in the Master in African studies of the Global Study Institute, as well as in the Geneva Global programme between the Universities of Geneva, Lausanne and EPFL. I am a member of several International Science Advisory Boards and foundations in the area of environmental toxicology and involved in SETAC Global Mercury Partnership initiative.

