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Environmental chemistry; Water quality; Physicochemical treatment processes; Drinking water quality; Wastewater reuse; Contaminants of emerging concern; Reaction kinetics and mechanism

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Exposure and children’s health; Early life exposure and health risk; Developmental toxicology

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Water quality; Health; Forecasting; Water resources; Remote sensing; Statistical modelling; Climate change; Infectious disease

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Human exposure assessment; Biomonitoring

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Biomonitoring; Risk assessment; Exposure to chemicals; Systematic reviews; Data quality

Christopher Lau, U.S. Environmental Protection Agency (EPA), Research Triangle Park, North Carolina, USA
Characterizing the chemically induced reproductive toxicity and developmental toxicity during embryonic and perinatal life stages, understanding of their modes of action, and applying such information to human health risk assessment

Dan Li, Fudan University, Shanghai, China

Gabriele Ludewig, University of Iowa, Iowa City, Iowa, USA
Toxicology, genotoxicity, telomerases, PCBs, PAHs, Benzene, Quinones, mechanisms-of-action

Lena Ma, University of Florida, Gainesville, Florida, USA
Biogeochemistry of trace metals in soils, wastes, and plants; Soil contamination and remediation; Phytoremediation; Chemical stabilization; Metal speciation; Metal bioavailability and bioaccessibility; Metal exposure and human health; Plant metal uptake and transport; Microbial transformation of metals; Metal availability and food safety

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Persistent organic pollutants (POPs); Bioaccumulation; atmosphere; Sediment; Environmental fate and transfer; Exposure and risk assessment

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Urban air quality; Human and environmental exposures; Green spaces and their health impacts

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Endocrine Disrupting Chemicals; Interactions diet-chemicals; Environmental mixtures; Environmental epidemiology; Reproductive epidemiology; Male infertility

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Diffuse microbial pollution from agriculture; modelling & decision support in environmental systems; fate & transfer of human pathogens; recreational water quality

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Environmental biotechnology; Bioprocess engineering; Wastewater treatment; Anaerobic digestion; Biotransformation; Bioremediation; Bioenergy and biofuels; Bioelectrochemical systems; Kinetics and modeling

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Gene expression Omics

**Heqing Shen**, Chinese Academy of Sciences (CAS), Xiamen, China
Biological monitoring (Bio-monitoring); Endocrine disrupting chemicals; Human microbiome; Birth cohort; Male fertility; Biomarkers; Epigenetics; OMICS with emphasis toxicometabolomics

**Luis Felipe Silva Oliveira**, Universidad de la Costa (CUC), Barranquilla, Colombia
Nano technology in Real Samples (in special nanominerals and advanced electron bean); Soil and water researches; Atmosphere impacts (in special particulate matter)

**Christian Sonne**, Aarhus University, Roskilde, Denmark
Biological effects, environmental chemicals, infectious diseases, climate change, veterinary science, wildlife medicine, predatory mammals, raptor birds, sea birds, fish, internal organs, reproductive organs, histopathology, morphology, skeletal system, bone density, immune system, endocrinology, PBPK modelling, blood biochemistry, implantation of PTT satellite transmitters, immobilization.

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Exposure assessment; statistical methods; air pollution; epidemiology; study design

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Water resources; Energy systems; Policy; Urban water; Sustainability

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Analytical Chemistry; Ecotoxicology; Molecular Toxicology; Environmental Monitoring; Risk Assessment; Human studies; Organic Contaminates; Flame Retardants; Urinary Biomarkers; Metabolites; Gas Chromatography-Mass Spectrometry (GC-MS); Lipid Chromatography-Mass Spectrometry (LC-MS)

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Wastewater analysis; Water quality; Air quality; Air pollution; Environmental monitoring; Environmental health

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Environmental epidemiology, climate change, planetary health, sustainable development, quantitative risk assessment, spatiotemporal modelling

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Resource Recovery, Solid Waste, Biological wastewater treatment, Bio-hydrometallurgy, Anaerobic Digestion, Biogeochemistry, Critical Elements

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Exposure assessment, pharmacokinetic modeling, environmental epidemiology, persistent organic pollutants, risk assessment

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