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Environmental analysis; Water and soil quality; Organic mass spectrometry; Emerging organic contaminants; Nanomaterials; Biosensors for: Analysis, Fate and Risk of Emerging Pollutants such as Pharmaceuticals and Nanomaterials in the Environment Water Pollution Control and Protection Bridging analytical chemistry with ecotoxicology- toxicity identification; Evaluation techniques used: GC and LC tandem MS, biosensors, sample preparation, automated on-line techniques for water analysis environmental samples (water, including marine waters, sediments soils, biota samples)

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Environmental Toxicology, Dioxin, Endocrine Disruptors, BPAs, Flame Retardants

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Environmental Epidemiology; Reproductive Epidemiology; Endocrine Disruptors

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Membrane bioreactors; Microbial Fuel Cells; Microbial Electrolytic Cells; Radiolysis; AORPs; Sustainability; Decentralized Wastewater Treatment; Resources Recovery; Energy Recovery; Nutrients Recovery

Nicole Cardello Deziel, Yale School of Public Health, New Haven, Connecticut, USA

Exposure Science (environmental measurements, biomonitoring, geospatial models); pesticides; persistent organic pollutants; hydraulic fracturing

Corinne Charlier, CHU Sart-Tilman, Liege, Belgium

Kyungho Choi, Seoul National University (SNU), Seoul, The Republic of Korea

Environmental Health, Environmental Toxicology, Exposure and Risk Assessment, Endocrine Disruption, Thyroid Hormones, Reproduction, Ecotoxicology, Persistent Organic Pollutants, Phenolics, Personal Care Products

Angel del Valls, Universidad de Cádiz, Cádiz, Spain

Julio Díaz Jiménez, Instituto de Salud Carlos III, Madrid, Spain
Time series analysis.; cold and heat waves: impact on morbi-mortality; air pollution: impact on health; prevention plans; noise and health; urban health

José G. Dórea, University of Brasilia, Brasilia, DF, Brazil

Carlos G. Dosoretz, Technion - Israel Institute of Technology, Haifa, Israel
Advanced wastewater treatment and reuse; Effluents desalination; Biofouling; Micropollutants removal; Microbial degradation of toxic organic compounds

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Human health risk assessment, exposure assessment, organic chemicals (POB's, dioxins, PAHS), risk communication, contaminated land

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Metabolomics; Risk Assessment; Environmental Analytical Chemistry; Gut microbiome; Biomarkers; Exposome; Mixture Effect; Non-targeted identification

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Organic contaminant; Soil-plant system; Soil contamination and remediation; Rhizosphere; Root exudates; Soil environmental chemistry; Bioremediation; Plant contamination

Yuming Guo, Monash University, Melbourne, Victoria, Australia
Climate change and health; Air pollution and health; Extreme weather and health; Exposure assessment; Environmental Epidemiology; Biostatistics; Machine learning; Time series analysis

Stuart Harrad, University of Birmingham, Birmingham, England, UK

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Exposure assessment; Air pollution modelling; Environmental epidemiology

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Milena Horvat, Jožef Stefan Institute, Ljubljana, Slovenia
Environment and health: exposure and effects of chemicals in the environment; Human exposure; Human biomonitoring; Environmental sciences (e.g. biological and geochemical cycling of chemicals); Environmental analytical chemistry; Quality systems in chemical laboratories; Metrology in environmental and health studies

Ching-Hua Huang, Georgia Institute of Technology, Atlanta, Georgia, USA
Environmental chemistry; Water quality; Physicochemical treatment processes; Drinking water quality; Wastewater reuse; Contaminants of emerging concern; Reaction kinetics and mechanism

Xia Huo, Jinan University, Guangzhou, China
Exposure and children's health; Early life exposure and health risk; Developmental toxicology

Antarpreet Jutla, West Virginia University, Morgantown, West Virginia, USA
Water quality; Health; Forecasting; Water resources; Remote sensing; Statistical modelling; Climate change; Infectious disease

Kurunthachalam Kannan, University at Albany, SUNY, Albany, New York, USA
Human exposure assessment; Biomonitoring

Holger Koch, German Social Accident Insurance (DGUV), Bochum, Germany

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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, telomeres, PCBs, PAHs, Benzene, Quinones, mechanisms-of-action

Lena Ma, University of Florida, Gainesville, Florida, USA
Soil pollutants and health, environmental transport and fate of pollutants, risk assessment and public health, waste treatment and disposal

Nancy Bixian Mai, Chinese Academy of Sciences (CAS), Gangzhou, China
Persistent organic pollutants (POPs); Bioaccumulation; atmosphere; Sediment; Environmental fate and transfer; Exposure and risk assessment

Mandana Mazaheri, NSW Government, Sydney, New South Wales, Australia
Urban air quality; Human and environmental exposures; Green spaces and their health impacts

Lidia Mínguez-Alarcón, Harvard University, Boston, Massachusetts, USA
Endocrine Disrupting Chemicals; Interactions diet-chemicals; Environmental mixtures; Environmental epidemiology; Reproductive epidemiology; Male infertility

Luke Naeher, University of Georgia, Athens, Georgia, USA

David Oliver, University of Stirling, Stirling, Scotland, UK

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

Spyros G. Pavlostathis, Georgia Institute of Technology, Atlanta, Georgia, USA

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

Nuno Ratola, Universidade do Porto, Porto, Portugal

Environmental presence and behaviour of legacy and emerging organic contaminants; Biomonitoring and chemical transport of chemicals; Advanced analytical techniques of extraction and quantification; Field sampling campaigns and sample handling protocols; Exposure assessment and prioritisation of relevant compounds; Climate change scenarios

Benoit Roig, Université de Nîmes, Nîmes, France

Ivan Rusyn, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, USA

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

Nanotechnology in Real Samples (in special nanominerals and advanced electron beam); 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, raptorial 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.

Massimo Stafoggia, Lazio Regional Health Service, Rome, Italy

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

Ashlynn S. Stillwell, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA

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

Guanyong Su, Nanjing University of Science and Technology, Nanjing, China

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)

Phong K. Thai, University of Queensland, Woolloongabba, Queensland, Australia

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

Shilu Tong, Shanghai Jiao Tong University, Shanghai, China

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

Eric D. van Hullebusch, Institut de Physique du Globe de Paris, Paris, France

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

Nico M. van Straalen, Vrije Universiteit Amsterdam, Amsterdam, Netherlands

Marc-Andre Verner, Université de Montréal, Montreal, Quebec, Canada

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

Jun Wu, University of California at Irvine, Irvine, California, USA

Zuxin Xu, Tongji University, Shanghai, China

Modelling & decision support in environmental systems; Urban and regional water quality; Water pollution control of river system; Urban sewage system planning; Aquatic Ecosystem management

Kai Zhang, University of Texas Health Science Center at Houston (UTHealth), Houston, Texas, USA

Air quality; Built Environment; Climate Change and Health; Environmental and Occupational Epidemiology; Exposure assessment; Exposome; GIS; Urban Health; Statistics

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