ENVIRONMENT INTERNATIONAL

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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 Epidemiology; Reproductive Epidemiology; Endocrine Disruptors

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Andrea Capodaglio, Università degli Studi di Pavia, Pavia, Italy

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

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

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Time series analysis.; cold and heat waves: impact on morbidity-mortality; air pollution: impact on health; prevention plans; noise and health; urban health

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

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Climate change and health; Air pollution and health; Extreme weather and health; Exposure assessment; Environmental Epidemiology; Biostatistics; Machine learning; Time series analysis

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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

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

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Human exposure assessment; Biomonitoring

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Soil pollutants and health, environmental transport and fate of pollutants, risk assessment and public health, waste treatment and disposal

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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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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

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

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