DESCRIPTION

*Environment International* is an international, multidisciplinary Journal situated at the interface between the environment and humans. Our interest is broadly reflecting the complexity of our environment and spans sources, pathways, fate and impacts associated with air, soil, water, food, and biota and their related interactions with ecosystems and human health.

*Environment International* serves as a platform for academics, practitioners, regulators, and policy makers to share and discuss current developments and insights into how environmental processes and human activities shape and impact environmental and human health now and in the future. In doing so, it also brings forward opportunities to minimize public and environmental health risk and maximize resilience. The use of systematic review methods for environmental and human health risk assessment is also an area of focus and growth.

We encourage submission of all high quality environmentally and health focused papers, but would be specifically interested in the following subject areas:

- Integration of data and modeling to identify and characterize critical aspects of the source-exposure-health outcome continuum
- The measurement, modeling, and assessment of the impact of air quality (outdoor and indoor) in the context of human exposure and health
- The modelling, exposure and impact of chemicals of emerging concern on the environment and human health
- Etiology of environmentally induced illness and associated health effects
- Sensitive and vulnerable sub-populations, such as children, elderly, pregnant women and specific occupational groups
- Environmental modelling and model-based evaluations of climate change and/or its health impacts
- The link between ecosystem health and human health, an emerging topic of global significance
- Source apportionment, exposure, bioavailability, and biotransformation of environmental contaminants including novel and innovative approaches for bio-monitoring and environmental "omics"
- The use of systematic review methods for environmental and human health risk assessment

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• Systematic reviews- provide a comprehensive summary and critical appraisal of existing evidence to answering a research question, conducted using methods which seek to minimise risk of bias in results and conclusions
• Perspectives/Frontiers (topical essays that present a specific point of view and have a 'horizon scanning theme')
• Policy Analysis (commissioned only)
• Correspondence and commentaries

AUDIENCE

Environmental scientists, ecotoxicologists, environmental chemists, environmental health specialists, environmental regulators, ecologists, biologists, hydrologists, geologists, marine and atmospheric scientists.

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Exposure assessment; Air pollution modelling; Environmental epidemiology

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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 toxicity

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Human exposure assessment and 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

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Toxicology, genotoxicity, telomerases, PCBs, PAHs, Benzene, Quinones, mechanisms-of-action

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

**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 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, 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

**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)

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

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