DESCRIPTION

*Environmental Pollution* welcomes high quality submissions on all aspects of environmental pollution and the mitigation measures related to ecosystem & human health.

AUDIENCE

Pollution research workers including chemists, toxicologists, environmentalists, conservationists, botanists, marine scientists, ecologists, biologists.

IMPACT FACTOR

2017: 4.358 © Clarivate Analytics Journal Citation Reports 2018

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Persistent organic pollutants; Bioaccumulation; Human exposure; Health risk assessment; Intercompartmental diffusion flux; Passive sampling; Wet and dry deposition

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Environmental Toxicology; Chemical Carcinogenesis; Epigenetic Regulation; Biomarkers

Payam Dadvand, Instituto de Salud Global Barcelona (ISGlobal), Barcelona, Spain
Epidemiological studies on the health effects of environmental factors.

Maria Cristina Fossi, Università di Siena, Siena, Italy
Marine Pollution; Persistent Organic Contaminants; Aquatic Toxicology; Microplastic; Plastic, Marine Litter; Ecotoxicological biomarkers; Marine Mammals; Large marine vertebrates; Endocrine disruptors.

Sarah Harmon, University of South Carolina Aiken, Aiken, South Carolina, USA
Aquatic toxicology; Water pollution; Heavy metals toxicity; Fecal coliform pollution; Mercury toxicity.

Klaus Kümmeler, Leuphana Universität Lüneburg, Lüneburg, Germany
Sustainable Chemistry; Green Chemistry; Green and Sustainable Pharmacy; Resources; Design; Environmental Chemistry; Time and sustainability

Bernd Nowack, Swiss Federal Laboratories for Materials Science and Technology, St. Gallen, Switzerland
Nanomaterials: Fate, Effects, Analysis and risks; Chelating agents; Metal speciation in water and soils; Pollutants in soils; Metal in soils; Bioavailability of pollutants; Environmental risk assessment.

Yong Sik Ok, Korea University, Seoul, The Republic of Korea
Soil pollution; Soil remediation; Heavy metals in the environment; Waste management; Bioavailability of Emerging Contaminants; Bioenergy and value-added products; Biochar and soil organic matter; Phytoremediation.

Jörg Rinklebe, University of Wuppertal, Wuppertal, Germany
Soils, sediments, waters, plants, and their pollutions (in particular trace elements and nutrients) and linked biogeochemical issues with a special focus in redox chemistry; Remediation of soils and soil microbiology.

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.

Admir Créso Targino, Universidade Tecnológica Federal do Paraná (UTFPR), Londrina, Brazil
Air pollution in urban environments; Personal exposure to air pollutants; Urban climate; Aerosol measurement instrumentation; Short-lived climate pollutants; Long-range atmospheric transport

Wen-Xiong Wang, Hong Kong University of Science and Technology, Kowloon, Hong Kong
Metal Pollution, Metal Ecotoxicology, Metal Biogeochemistry, Metal Bioavailability, Metal bioaccumulation, Metal toxicity, Environmental processes of metals, Biomonitoring, Biomarkers, Bioassays.

Charles Wong, University of Winnipeg, Winnipeg, Manitoba, Canada
Environmental organic chemistry, persistent organic chemicals, pharmaceuticals and personal care products, metabolites and transformation products, environmental/analytical chemistry, passive samplers, wastewater, ecotoxicology, bioaccumulation and food web interactions.

Baoshan Xing, University of Massachusetts, Amherst, Massachusetts, USA
Engineered Nanoparticles; Organic Contaminants; Biochar; Soil Organic Matter; Sorption Of Organic Chemicals.

Editorial Board:
Dula Amarasiriwardena, Hampshire College, Amherst, Massachusetts, USA
Metal Pollution, environmental trace metal determination (ICP-MS, LA-ICP-MS), metal chemical speciation, toxic metals in soils, tissue level, elemental bioimaging, nanoparticles in environment, environmental remediation-metals, humic substances in the environment.

Lian-Jun Bao, Jinan University, Guangzhou, China
E-waste, flame retardants, organic chemicals, PAHs, microplastics.

Allen Barker, University of Massachusetts, Amherst, Massachusetts, USA
Nigel Bell, Imperial College London, Kensington, London, UK
Effects of air pollution on managed and natural ecosystems; radioecology; waste management.

Man Yu Bon, The Education University of Hong Kong, Hong Kong, China
Organic pollutants in all compartments of the environment, health risk assessment, food safety and food waste recycling, wastewater treatment

Juergen Burkhardt, University of Bonn, Germany
Air pollution and global climate change effects to terrestrial ecosystems; Native plant community responses (shifts in diversity) to air pollutants and global climate change; Plant-stress-air pollution/global climate change interactions; Urban ecology and ecosystem services

Alessandra De Marco, ENEA Centro Ricerche Casaccia, S. Maria di Galeria, Rome, Italy
Impacts of air pollution on vegetation, with particular interest on ozone and nitrogen deposition; climate change and air pollution interactions and their synergistic impacts on ecosystems; integrated assessment modelling for evaluating impacts of policies and measures to reduce air pollution; nitrogen cycle and nitrogen budget and their importance in agricultural field

Jean-Pierre Desforges, Aarhus University, Denmark
Marine mammals, immunotoxicity, ecologic modeling, population dynamics

Marisa Domingos, MutaGen Brasil, Monte Alegre, Ribeirão Preto, Brazil
Environmental pollution and climatic change effects on natural vegetation, particularly in the tropics and subtropics, air-plant-soil interactions in polluted terrestrial ecosystems, physiologic, metabolic, structural/ultrastructural markers of increased plant tolerance against air pollutants and other environmental stressors, disturbances on nutrient dynamics in polluted terrestrial ecosystems, physiognomic/landscape disturbances in polluted terrestrial ecosystems, the search of innovative biomonitoring technics for evaluating risks posed by air pollutant, ozone, nitrogen and sulfur oxides, particulate matter, fluorine, trace metals, polycyclic aromatic hydrocarbons

Paulo Renato Dorneles, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil
Ecology of pollutant exposure, sustainable and safe fisheries; mercury pollution, marine mammals

Zafar Fatmi, University of Karachi, Karachi, Pakistan
Environmental epidemiology; air pollution; cognitive effects of air pollution; risk assessment, health effects of heavy metals

Bin Gao, University of Florida, USA
Biochar, nanoparticles, environmental nanotechnology, contaminant fate and transport, organics

Martin Hansen, Aarhus University, Denmark
Hormone-disrupting chemicals, endocrine disruptors, organic pollutants, exposome, metabolome and proteome in animal studies

Markus Hauck, Georg-August-Universität Göttingen, Göttingen, Germany
Global change ecology; Climate warming; Eutrophication; Acidic deposition; Heavy metals in terrestrial ecosystems; Land use; Lichen biology

Deyi Hou, Tsinghua University, Beijing, China
Sustainability assessment; Life cycle assessment; Environmental footprint analysis; Risk management; Contaminated soil and groundwater remediation; Heavy metal contamination; Biochar production and application; Green synthesis of environmental functional materials; Fate and transport of volatile organic compounds in porous media

Magali Houde, Environment and Climate Change Canada
Aquatic ecotoxicology, organic pollutants, toxicogenomics, biological effects, zooplankton and fish, bioaccumulation, impacts of waste water treatment plant effluent, emerging flame retardants, polyfluoroalkyl substances, marine mammals

Paul Jagals, University of Queensland, Brisbane, Queensland, Australia
Environmental risk assessment and impact assessment, health-related water quality, waste and sanitation, translating environmental health research into policy and practice

Harri Kankaanpaa, Finnish Institute of Marine Research, Helsinki, Finland
Haider Khwaja, New York State Department of Health (NYSDOH), Albany, New York, USA
Air pollution, black carbon, particulate matter, Asian megacities, water contamination

Chunyang Liao, Chinese Academy of Sciences, Yantai, China
Emerging organic contaminants, endocrine disrupting chemicals, pesticides, environmental analytical chemistry, environmental behavior and fate, bioavailability, toxicological effects, and risk assessment

Daohui Lin, Zhejiang University, Hangzhou, China
Nanomaterials; Ecotoxicity; Nanotoxicity; Bioavailability; Colloidal behavior; Sorption

Rainer Lohmann, University of Rhode Island, Narragansett, Rhode Island, USA
Passive samplers, POPs, sorption, bioaccumulation, atmospheric chemistry, marine pollution, long-range transport, oceans, black carbon, organic geochemistry.

Lisbeth Lopez-Carrillo
Epidemiology, breast cancer, arsenic, persistent organic pollutants, diet.

Stefano Loppi, Università degli Studi di Siena, Siena, Italy

Michael Lydy, Southern Illinois University, Carbondale, Illinois, USA

Pesticides, toxic effects on aquatic systems, pyrethroid insecticides, bioavailability, desorption-based samplers, sediment-associated organic contaminants, honey bees declines.

Melissa A. McKinney, McGill University, Sainte-Anne-de-Belle-ecue, Quebec, Canada

Ecological change, environmental stressors, wildlife toxicology, fish, land and marine mammals

Denise Mitran, Swiss Federal Institute of Aquatic Science & Technology (EAWAG)

Water quality analysis, analytical method development, nanomaterials, microplastics (including nanoplastic, microplastic fibers), life cycle thinking

Kunihiro Nakai, Tohoku University, Japan

Heavy metals, persistent organic pollutants, epidemiology, birth cohort studies, risk assessment/analysis, methylmercury, Minamata convention

Willie Peijnenburg, Universiteit Leiden, Leiden, Netherlands

Risk assessment; Ecological risk assessment; Environmental fate and effect assessment; Nanoparticles; Bioavailability; Metals; Organics; Quantitative structure-activity relationships (QSARs); Transformation of chemical substances; Biodegradation; Abiotic transformations

Elijah J. Petersen, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA

Nanomaterials, carbon nanomaterials, standardization, nanoecotoxicity, carbon nanotubes.

Stergios Pirintos, University of Crete, Iraklion, Crete, Greece

Biomonitoring of air pollution, trace elements and nitrogen using lichens, climate change issues and lichens, lichens and hydrogen production, lichen physiology and pollution, sensitivity issues of lichens, lichen diversity and vegetation in Mediterranean ecosystems.

Hakan Pleijel, Göteborgs Universitet, Göteborg, Sweden

Ozone (effects on vegetation), carbon dioxide (effects on vegetation), urban ecology (especially air pollution in relation to vegetation), temporal and spatial variation in air pollution exposure, crops (especially effects of air pollutants on growth and nutrient content), deposition of air pollutants, weather and climate dependence of air pollution, climate change effects on crops.

Markus Puschenreiter, Universität für Bodenkultur Wien (BOKU), Vienna, Austria

Heavy metals/trace elements in soils and plants, rhizosphere processes involved in metal/trace element acquisition, soil remediation technologies / phytoremediation

Sabyr M. Shaheen, Wuppertal University, Laboratory of Soil- and Groundwater-Management, Wuppertal, Germany

Heavy metals, trace elements, soil and environmental science, waste management, risk assessment.

Richard Shore, Centre for Ecology and Hydrology (CEH), Bailrigg, Lancaster, UK

Ecotoxicology, ecological risk assessment, wildlife toxicology.

Stefania Squizzato, University of Rochester, Rochester, New York, USA

Atmospheric Sciences, focusing on the identification of sources in different PM fractions, application of statistical tools to the study of air pollution, particulate matter sampling and analytical determination of inorganic composition using IC, ICP-OES and ICP-MS

John Ssempebwa, Makerere University, Kampala, Uganda

Environmental pollution, PAHs, water and sanitation, occupational health

Daniel Tsang, The Hong Kong Polytechnic University, Hong Kong, China

Green chemistry/engineering; Soil/sediment remediation; Engineered biochar; Waste valorization; Resource recovery; Wastewater/stormwater treatment; Catalytic conversion/degradation; Pollutant transport; Environmental pollution | Sustainable urban development, urban wastes, contaminated land and water, waste management (food, wood, plastic agro, sludge), green remediation, wastewater treatment.

Jason Unrine, University of Kentucky, Lexington, Kentucky, USA

Nanomaterials, metals, soils, contaminant fate, bioavailability, agriculture, ecosystem services, radionuclides, synchrotron methods

Doris Vetterlein, Umweltforschungszentrum (UFZ) Leipzig-Halle GmbH, Halle/Saale, Germany

Perchlorate, OC pesticides, PCBs, PBDEs, PFCs, toxic metals (mercury, manganese, copper, arsenic) Ecotoxicology research incorporates molecular (gene expression), organismal (endocrine disruption, developmental disruption, behavior), and ecological approaches (stable isotopes) to solve problems in conservation biology and environmental health. A critical component of several of my larger research projects is community-based participatory research (CBPR) with indigenous people.

Courtney Waugh, Norwegian University of Science & Technology NTNU, Trondheim, Norway

Toxicology, disease and immunology of wild, captive and domestic animals

Yanhong Wei, Sun Yat-Sen University, Guangzhou, China
Persistent organic pollutants, zebrafish, cardiovascular toxicology, developmental toxicology, toxicity pathways

**Jason White**, Connecticut Agricultural Experiment Station (CAES), New Haven, Connecticut, USA
Nanotoxicology, food safety, bioremediation and phytoremediation.

**Paul Williams**, Chinese Academy of Sciences (CAS), Beijing, China
Toxic trace elements, 2D high-resolution chemical imaging, rhizosphere chemistry, soil-plant interactions, diffusive gradients in thin films (DGT), arsenic/selenium biogeochemistry, bioavailability of metals, human health impacts of arsenic, cadmium and lead, urban & sustainable agriculture, advanced analytical approaches for contaminant quantification, soil & water pollution.

**Feng Xiao**, University of North Dakota, Grand Forks, North Dakota, USA
Perfluorochemicals (PFCs) and perfluoroalkyl substances (PFASs); Perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS); Biochar, char, soot, black carbon, and activated carbon, absorption. water chemistry, drinking-water treatment, emerging contaminants and environmental monitoring, geographic Information system; exploratory data analysis; exposure assessment.

**Scott Young**, Nottingham, Nottingham, UK
Bioavailability, speciation and mobility of trace metals and radioisotopes in the environment and specifically with the geochemical controls over trace element deficiency and toxicity.

**Yunjiang Yu**, South China Institute of Environmental Science, Guangzhou, China
Environmental occurrence and fate of emerging contaminants, ecological toxicology of pollutants, risk assessment of chemicals

**Shuzhen Zhang**, Chinese Academy of Sciences (CAS), Beijing, China
soil contamination; Sorption/desorption of organic contaminants; Bioaccumulation and transformation of organic contaminants in the terrestrial environment; Applications of synchrotron-based spectroscopy techniques in environmental chemistry, NOM analysis and effects on contaminant behaviors

**Fangjie Zhao**, Nanjing Agricultural University, Nanjing, China
Biogeochemistry of trace elements, uptake and detoxification of heavy metals in plants, bioremediation.

**Jian Zhao**, Ocean University of China, China
Nanomaterials, adsorption organics; PPCPs, colloidal chemistry, microplastics, aquatic toxicology, environmental transformation.

**Qing Zhao**, Chinese Academy of Sciences, China
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