



ENVIRONMENTAL RESEARCH

A Multidisciplinary Journal of Environmental Sciences, Ecology, and Public Health

AUTHOR INFORMATION PACK

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DESCRIPTION

Environmental Research publishes original reports describing studies of the adverse effects of environmental agents on humans and animals. The principal aim of the journal is to assess the impact of chemicals and microbiological pollutants on human health. Both *in vivo* and *in vitro* studies, focused on defining the etiology of environmentally induced illness and to increase understanding of the mechanisms by which environmental agents cause disease, are especially welcome. Investigations on the effects of global warming/climate change on the environment and public health, as well as those focused on the effects of anthropogenic activities on climate change are also of particular interest.

Although *Environmental Research* is opened to all subjects directly related with this field, areas of special interest include:

- Air, soil, and water pollutants and health
- Biomonitoring and adverse human health effects
- Environmental and occupational medicine
- Environmental epidemiology
- Environmental microbiology
- Environmental toxicology
- Environmental transport and fate of pollutants
- Global warming/climate change
- Nanomaterials in the environment and nanotoxicology
- Risk analysis, risk assessment and risk management, and public health
- Waste treatment and disposal
- Water and wastewater management, and sewage

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Environmental and reproductive epidemiology, endocrine disruptors.

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Mitigation and adaptation of climate change, environmental impact assessment, air pollution abatement and co-benefits to climate policy, exposure to atmospheric pollutants and relate human health, sustainable development.

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Eco-toxicology, behaviour, monitoring and assessment, birds and reptiles

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Arsenic metabolism Effects of metals and pesticides on the heme synthesis pathway Effects of metals and pesticides on male reproductive health (hormones and semen quality)

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Reproductive, pediatric, environmental epidemiology and the effects of environmental exposures on reproductive, perinatal, and children's health

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Heavy Metals Toxicity and Chelation Therapy

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exposure assessment, air pollution modeling, environmental epidemiology

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Human exposure assessment and biomonitoring

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VOC; Odor; Air quality; MOF; Sensing; Removal; Synthesis

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Molecular mechanisms of antioxidant activity of antioxidants, oxidative stress and exercise, markers of redox status in human, biofunctional food development

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Epidemiology, Cohort study, Case-control study, Persistent Organic Pollutants, Organochlorine pesticides, Polychlorinated biphenyls, Endocrine disrupting chemicals, Chemical mixtures, Methodological issues in human studies, Obesity, Diabetes, Cardiovascular diseases, Cancer, Dementia

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Organohalogen pollutants, Environmental Chemistry, Analytical and Bioanalytical Chemistry, Ecological Chemistry, Ecotoxicology, Metabolism and Biotransformation, Biomarkers, Endocrine Disruption, Marine and Freshwater, Wildlife and Ecosystems, Arctic

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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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environmental analytics and monitoring, food analysis, QA/QC systems, green analytical chemistry, envirometrics

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Air Quality, Particulate matter, Heavy metals, source apportionment, air quality policy

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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.

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

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Toxicology, Pesticides, Biomarkers, Biomonitoring, Risk Assessment, Oxidative Stress, Ageing Telomeres, Drugs, Anabolics, Hair Analysis, Nail Analysis, Heavy Metals, Food Toxicology, Poisoning

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Bert van Bavel, Örebro University, Örebro, Sweden

Paul Villeneuve, Carleton University, Ottawa, Ontario, Canada

Xilong Wang, Peking University, Beijing, China

Mary Wolff, Mount Sinai School of Medicine, New York, New York, USA

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INTRODUCTION

A Multidisciplinary Journal of Environmental Sciences, Ecology, and Public Health

Environmental Research: A Multidisciplinary Journal of Environmental Sciences, Ecology, and Public Health publishes original reports describing studies of the toxic effects of environmental agents and conditions in humans and animals, including both experimental subjects and ecosystems. The principal aims of the journal are to increase understanding of the etiology of preventable disease and environmental impairments, and to increase understanding of the mechanisms by which environmental agents cause disease and ecological effects. Human impact on the biosphere is considerable and, thus, an additional aim of the journal is to explore the means by which the adverse effects of anthropocentric activities can be minimized through new initiatives or changes in policy, at the local, regional, national, and international scales.

The study of environmental health is inherently multidisciplinary and international. Therefore, the journal welcomes relevant articles in epidemiology, risk analysis and policy, environmental medicine, exposure assessment, geosciences and environmental chemistry, and wildlife biology and ecotoxicology, and ecology. Reports that bridge one or more of these disciplines are particularly encouraged, as are studies employing biological markers of exposure and/or effect.

The focus of the journal generally excludes papers that report results of toxicology studies or industrial exposures, unless these papers have clear relevance to environmental topics. The journal does not generally consider reports of a specific site or source (such as an assessment of releases or environmental contamination) unless these reports present novel or generalizable information. However, short papers can be submitted to the Journal as a "Case Report" (see below). Papers reporting on studies of human subjects must provide written assurance that the research was reviewed and approved by an appropriate institutional review board (or ethics committee) for the protection of human subjects. *Environmental Research*, in common with international practice in science, requires that all authors must, in denoting measures, utilize the metric system and SI derived units (e.g., degrees Centigrade rather than Fahrenheit; [Click here](#)).

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Abstract

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