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DESCRIPTION

The *Journal of Environmental Radioactivity* provides a coherent international forum for publication of original research or review papers on any aspect of the occurrence of radioactivity in natural systems.

Relevant subject areas range from applications of environmental radionuclides as mechanistic or timescale tracers of natural processes to assessments of the radioecological or radiological effects of ambient radioactivity. Papers deal with naturally occurring nuclides or with those created and released by man through nuclear weapons manufacture and testing, energy production, fuel-cycle technology, etc. Reports on radioactivity in the oceans, sediments, rivers, lakes, groundwaters, soils, atmosphere and all divisions of the biosphere are welcomed, but these should not simply be of a monitoring nature unless the data are particularly innovative.

Research papers are also included which, by either experimental or theoretical approaches, aim towards an improved understanding of the behaviour, transfer and distribution of environmental radionuclides. Predictive modelling is particularly encouraged. Papers on dating methods are acceptable if they have clear geophysical or geochemical significance. Descriptions of experimental methods should be both highly original and specifically related to determination of low-level environmental activities.

The journal provides a vehicle for objective, open and peer-reviewed publication and discussion of the more controversial aspects of environmental radioactivity, including assessments of health effects, criteria for discharge control and options for ultimate disposal of nuclear wastes. Publication in this field is also encouraged in the related book series *Radioactivity in the Environment* designed to complement the coverage of the journal.

IMPACT FACTOR

2018: 2.179 © Clarivate Analytics Journal Citation Reports 2019
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INTRODUCTION

The Journal of Environmental Radioactivity is affiliated to the International Union of Radioecology

Types of Contributions

Original papers; review articles; short communications; news and announcements; book reviews; letters to the Editor.

The Journal of Environmental Radioactivity provides a coherent international forum for publication of original research or review papers on any aspect of the occurrence of radioactivity in natural systems. Relevant subject areas range from applications of environmental radionuclides as mechanistic or timescale tracers of natural processes to assessments of the radioecological or radiological effects of environmental radioactivity. Papers deal with naturally occurring nuclides or with those created and released by man through nuclear weapons manufacture and testing, energy production, fuel-cycle technology, etc. Reports on radioactivity in the oceans, sediments, rivers, lakes, groundwaters, soils, atmosphere and all divisions of the biosphere are welcomed, but these should not simply be of a monitoring nature unless the data are particularly innovative. Statement and testing of hypotheses are preferred over simple reporting of observations.

Research papers are also included which, by either experimental or theoretical approaches, aim towards an improved understanding of the behaviour, transfer and distribution of environmental radionuclides. Predictive modelling is particularly encouraged. Papers on dating methods are acceptable if they have clear geophysical or geochemical significance.

Review papers must present novel interpretation of previously published literature. Ideally a review paper will propose an hypothesis and then test that hypothesis using cited papers. Thoroughness in both argument and papers cited is expected.

Descriptions of experimental methods should be both highly original and specifically related to determination of low-level environmental activities. The journal provides a vehicle for objective, open and peer-reviewed publication and discussion of the more "controversial" aspects of environmental radioactivity, including assessments of health effects, criteria for discharge control and options for ultimate disposal of nuclear wastes.

From time to time, virtual special issues are published. These are groupings of papers that have been invited by an Editor or Guest Editor. These papers have a commonality, such as all were presented at a specific conference or deal with a specific topic. All other papers should be submitted as research papers or reviews.

Letters to the Editor are encouraged. Ideally these express opinions, substantiated with appropriate citations, about recent publications in JER or significant developments in radioecology. The Letters should be of interest to the international readership.

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