

Special Issue

Radioecology: The Fate of Radionuclides

Message from the Guest Editors

Radionuclides and ionizing radiation arise from many natural sources, ranging from the unstable atoms in the materials around us, and within our bodies, to the Sun, and even beyond the Solar System. In addition, the testing of nuclear weapons, nuclear waste, and nuclear accidents can be included as radioactive sources. These sources have provided means of dating environmental materials and tracing the movements of substances through the Earth's land, oceans, and atmosphere. However, although radionuclides have been used in the Earth, marine, and environmental sciences for over a hundred years and provide unique tools to study environmental processes in great detail from different observational scales, the ionizing radiation affects genetic systems, which has led to a remarkable range of studies to examine how and how quickly both humans and biota accumulate unstable atoms, and their various effects on both, thus creating adverse genetic effects for future generations. Accordingly, this Special Issue welcomes research and review papers on radioecology, environmental radioactivity, radiochemistry, environmental mineralogy, geophysics, and geochemistry.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

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