

Editorial

Global Need Moving Remediation Ecology to the Center Stage

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The most extraordinary features of our planet are the existence and diversity of life, as well as the habitats inhabited by various life forms. Currently, 8 billion people live together with 9 million types of plants, animals, protists, and fungi [1] in various kinds of soil, land, rocks, water, air, and even ecosphere. However, our planet is increasingly being polluted and damaged, accompanied by declining biodiversity and losing eco-service function, as observed across the past centuries. The urgency to address these crises and the pressure to achieve the UN Sustainable Development Goals [2] have highlighted the global need for enhanced focus on remediation ecology, compelling scientists and practitioners in different fields as well as policy makers and the public to explore interdisciplinary and comprehensive strategies [3] for ensuring our better future.

With great pleasure, we introduce the newly launched journal Remediation Ecology (RE). RE is a gold open access, peer-reviewed journal dedicated to advancing the theory and technology of remediation ecology, while simultaneously facilitating the novel solution of critical eco-environmental problems. The journal aims to provide a platform for innovative research that explores the treatment, remediation, restoration, rehabilitation, and management of polluted or degraded ecosystems impacted by human activities, and climate change. It focuses on integrating ecological principles with eco-environmental practice to foster sustainable development for the human society.

RE reports groundbreaking, impactful, world-class research across various eco-environmentally relevant topics. Key topics covered by RE include, but are not limited to:

- Ecological evolution/changes of polluted or degraded ecosystems, including processes and mechanisms of ecosystem pollution/degradation;
- Ecosystem diversity, structure, and function under natural and human stress;
- Human-ecosystem interactions and public health;
- Ecological treatment and ecological remediation;
- Ecological restoration and ecological rehabilitation;
- Ecosystem services and ecological management, including green infrastructure and ecosystem-based solutions, ecological mitigation and adaptation of climate change;
- Social, economic, and policy impacts and their ecological solutions;
- Ecological risk monitoring and assessment, and sustainable ecosystem management, and resource recovery.

From April to May 2025, we are inviting distinguished scientists worldwide to join this young journal's editorial board and appreciate their enthusiastic support in undertaking this significant challenge. RE has already organized a strong editorial board, comprising experts on various aspects of ecology, environment and other related fields. As we anticipate the growth of our editorial board, any candidate who would like to join the team to promote the journal's development is highly welcome.

We invite researchers from across the world, whether you are an established scientist or an emerging scholar, to contribute your innovative work to RE, and we ensure that each manuscript undergoes thorough evaluation and careful consideration. We are confident that our authors, editorial board members, reviewers, and the Scilight Press team, will position RE at the forefront of scientific research and global sustainable development.



Conflicts of Interest

The authors declare no conflict of interest.

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