

Editorial

Founding Editorial: A New Voice in Environmental and Earth Scholarship

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The past century has witnessed remarkable advances in science and technology that have reshaped industry, medicine, and our understanding of the world. Yet, alongside these achievements, human activities have released unparalleled quantities of natural and synthetic substances into air, water, and soil. These unprecedented anthropogenic impacts have fundamentally altered the Earth system, giving rise to a host of interlinked challenges such as pollution, climate change, resource depletion, and increased vulnerability to natural hazards. Addressing these complex challenges demands diverse, interdisciplinary, and innovative approaches to the planetary sustainability.

Environmental and Earth sciences play a pivotal role in guiding humanity toward a sustainable future. These fields offer essential insights into the natural processes that regulate Earth's systems and the fundamental ways in which human activities reshape them. Geoscience elucidates the planet's physical structure, dynamics, and long-term evolution, while environmental science focuses on the impacts of anthropogenic actions on the biosphere, atmosphere, and human society. Together, they enable us to investigate critical phenomena such as climate change, groundwater depletion, soil degradation, pollutant transport, and natural hazards in a holistic manner. Bridging these fields is essential for identifying the underlying drivers of environmental change, assessing risk, and formulating effective strategies for adaptation and mitigation.

By launching the new journal "*Environmental Science and Geoscience*" (*ESG*), we endeavor to build an inclusive and interdisciplinary platform that brings together environmental, Earth, and planetary scientists. Our goal is to contribute to a deep understanding of human-environment interactions, the drivers of environmental change, and the pathways to a more sustainable future. As a gold open-access journal, *ESG* is dedicated to disseminating high-quality research contributions from scientists worldwide and to advancing knowledge across the diverse subfields of *Environmental Science and Geoscience*. In doing so, we hope to catalyze new collaborations, advance integrative knowledge, and accelerate solutions to the current challenges. By promoting rigorous, accessible, and cross-disciplinary scholarship, *ESG* seeks to underpin the fundamental understanding and practical action in the pursuit of global sustainability.

The scope of *ESG* encompasses a broad and diverse range of topics across the environmental and geoscience topics. From the atmosphere to the solid, from high to low latitudes, and from deep-time reconstructions to future-oriented projections, *ESG* invites research that addresses the complex interplay between natural environmental processes and human activities. The journal emphasizes multi-scale investigations and encourages the integration of insights across disciplines, including environmental chemistry, geology, ecology, atmospheric science, and environmental engineering. *ESG* welcomes high-quality submissions across a broad thematic spectrum, including but not limited to:

- Atmospheric Science
- Air Pollution and Control Science
- Water Pollution and Control Science
- Soil Pollution and Remediation Science
- Physico-Chemical Treatment and Resource Recovery
- Climate Science



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- Geochemistry
- Geophysics
- Geobiology
- Sustainable Systems

As a founding editorial team, we are deeply committed to upholding the highest standards of peer review and scientific integrity. We are grateful to the distinguished members of our Editorial Board, who bring diverse expertise and global perspectives. We warmly invite researchers worldwide to consider *ESG* as a venue for their impactful work. Together, we aspire to build a vibrant, inclusive, and impactful journal that not only reflects the state of the science but helps shape its future.

Conflicts of Interest

The author declares no conflict of interest.

Use of AI and AI-Assisted Technologies

No AI tools were utilized for this paper.