

Special Issue

Sustainable Resource and Waste Management for Environmental Protection

Message from the Guest Editors

Population growth, industrialization, and overexploitation of natural resources have raised global concerns over depletion, pollution, biodiversity loss, and climate change. Sustainable resource and waste management is key to ensuring long-term availability of primary/secondary resources, balancing ecology with human needs. Technological innovation, green tech, nature-based solutions, monitoring, and community participation enhance adaptive management and sustainable livelihoods. This Special Issue explores strategies for sustainable resource use and waste recycling—covering natural (minerals, water, forests) and secondary (industrial, municipal, hazardous, mining) wastes—to balance development and environmental protection. It synthesizes insights from environmental science, ecology, and resource research, focusing on multidisciplinary approaches for resilience, conservation, waste minimization, and equity.

Guest Editors

Dr. Kazutoshi Haga
Dr. Altansukh Batnasan
Dr. Burmaa Gunchin

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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