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Inaugural Editorial

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Decades of industrialization and urbanization have led to increased resource consumption and waste generation, resulting in quantities of solid waste that threaten our ecosystems and land resources. The focus of solid waste management is changing from "harmless treatment" to high-efficiency "resource recycling." The world is now at a critical stage of green transformation and sustainable development. The sustainable transformation of solid waste into energy, fuels, chemicals, and other high-value products offers a new path to alleviate resource shortages and support sustainable socio-economic development. The traditional growth model is gradually replaced by a development model of resource conservation, environmental friendliness, and recycling. The construction of "zero-waste cities" is an important measure for reducing pollution and carbon emissions, promoting industrial upgrading, transforming development modes, and modernizing urban governance. It is of great significance to promote green production and lifestyles and achieve sustainable development of cities. Therefore, how to drive waste resource utilization through technological innovation, promote urban green governance with a systematic approach, and reshape resource utilization models with a circular economy has become an important issue of common concern to academia, industry, and policymakers.

With this background, I'm delighted to partner with an outstanding editorial team guided by the principles of scientific rigor, innovation, and open collaboration to establish this journal with the support of Collaborative Innovation Platform of IUR in China Laboratory and ICJN. *Journal of Solid Waste Valorization and Chemical Management (JSWVCM)*, upholding the green development concept of "Solid Waste Resource Recycling·Chemical Risk Control," promotes the synergistic advancement of solid waste resource utilization, environmental safety management of chemicals, and ecological sustainable development. It focuses on multidisciplinary fields related to the high-value utilization of solid waste and the environmental risk prevention and control of chemicals, covering the entire chain of research, including waste-free city construction, new pollutant treatment, whole-process environmental risk assessment, high-value utilization of solid waste, resource utilization of hazardous waste, and optimization of environmental chemical processes and improvement of low-carbon energy efficiency.

The journal is committed to providing a high-quality academic forum for the research community and a rigorous peer-review process to promote the publication and dissemination of cutting-edge research on solid waste resource utilization and full life-cycle risk management of chemicals. The journal also focuses on emerging research directions and technological innovations for sustainable resource management. At the launch of the journal, we welcome researchers and scholars in relevant disciplines to submit their latest findings and share their valuable contributions with the global academic community. During the inaugural stage, the journal will operate under a free Article Processing Charge to encourage broad participation. We sincerely thank our editorial board members, authors, reviewers, and readers for their support and engagement. We look forward to working with researchers worldwide to advance the high-value utilization of solid waste and chemical risk control.

Conflict of Interest

The author declares that there is no conflict of interest.

About the Journal

Journal of Solid Waste Valorization and Chemical Management (JSWVCM) , upholding the green development concept of "Solid Waste Resource Recycling · Chemical Risk Control," promotes the synergistic advancement of solid waste resource utilization, environmental safety management of chemicals, and ecological sustainable development. It focuses on multidisciplinary fields related to the high-value utilization of solid waste and the environmental risk prevention and control of chemicals, covering the entire chain of research, including waste-free city construction, new pollutant treatment, whole-process environmental risk assessment, high-value utilization of solid waste, resource utilization of hazardous waste, and optimization of environmental chemical processes and improvement of low-carbon energy efficiency. The journal features dedicated columns such as Article, Review, Perspective, Commentary, and Editorial, systematically promoting the latest research results, technological breakthroughs, and industrial application experience in the field. https://www.icjn.net/jswvcm

Editor-in-Chief

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