

Special Issue

Converting Waste Nitrogen to Bioenergy

Message from the Guest Editors

Bioenergy is an important form of low-carbon, clean and renewable energy. Developing bioenergy is a promising way to solve the dilemmas related to energy and food shortages, as well as challenges faced by the environment. However, clearing forest land for the cultivation of bioenergy crops will indirectly increase CO₂ emissions due to land-use change and similar activities. Recycling waste nitrogen to produce bioenergy is an attractive notion because it can reduce the competition of farmland use and reduce additional investments in chemical fertilizer. For example, domestic sewage, livestock wastewater, garden waste, crop residue and food waste can all be reused. The topics of this Special Issue extend from theoretical to practical knowledge and tests of reusing various kinds of waste nitrogen to produce bioenergy. Articles on a wide variety of topics including, but not limited to, the innovative and low-carbon technology of reusing waste nitrogen in practice; the accompanying cost-benefit analysis or feasibility analysis; and the value of the net GHG mitigation on a regional or global scale will be considered for publication. Review papers are also welcomed.

Guest Editors

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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