Special Issue

Integrated Nutrient Recovery from Organic Waste and Bio-Based Fertilizers

Message from the Guest Editor

Dear colleagues, With the increasingly strict regulations for organic waste management and agricultural fertilizer application has come a growing interest in recovering nutrients from organic waste as bio-based fertilizer products. Nevertheless, challenges remain in improving the economic performance of nutrient recovery technologies and upgrading fertilizer product quality to meet agricultural and societal requirements. Integration of multiple nutrient recovery technologies may allow improving bio-based fertilizer formulations, while reducing overall chemical and energy needs, and hence operational costs. Indeed, nutrient recovery processes are often interdependent, and hence, there is an urgent need for systems-thinking (integration) in the field, thereby considering interactions between unit processes instead of targeting single unit process design. It is in this perspective that this Special Issue welcomes papers on integrated or multiprocess approaches to nutrient recovery from organic waste to recover bio-based fertilizer products that meet the requirements of agriculture and society.

Guest Editor

Dr. Céline Vaneeckhaute

Department of Chemical Engineering, Laval University, Québec, QC G1V 0A6, Canada

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

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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