Special Issue

Recent Advances in Manure Composting

Message from the Guest Editor

Manure has been used as a fertilizer material for a long time. It contains organic matter and nutrients that are highly valuable for crops when appropriately treated and stabilized. However, improper handling can lead to air, water, and soil pollution. Composting technology has long been used to recycle manure as a fertilizer resource. Composting is a bioconversion process that stabilizes organic matter in manure through bio-decomposition and converts nutrients into a form that crops can use. This process reduces odor and moisture, making it easier to handle as a fertilizer. Recent research on composting focuses on improving composting efficiency by using additives such as microorganisms, bulking agents, and biochar. It also involves developing techniques to reduce greenhouse gas emissions and odors during composting, as well as developing a mathematical model for optimizing the composting process, predicting and analyzing the permeability and airflow within compost piles. This Special Issue aims to publish innovative research results and review papers in manure composting.

Guest Editor

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Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
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