Special Issue

Greenhouse Gas Reduction

Message from the Guest Editor

The major greenhouse gases contributing to global warming include CO2, CH4 and N2O. Their growing concentrations continue to raise global average temperatures, while the feedback effects not only destabilize ecosystems but also drive global warming, which further alters nutrient biogeochemical processes on a global scale. Soil microorganisms and their activities play a key role in GHG emissions and mitigation. In addition to the metabolic reactions and chemistry of various microorganisms, changes in environmental conditions including global warming, precipitation changes, nitrogen deposition and plant types affect nutrient cycling in soils and inevitably have positive or negative feedback on GHG emissions. Thus, this Special Issue aims to elucidate microbially mediated GHG emission processes and their driving mechanisms under different ecosystems, which are important for mitigating GHG emissions and clarifying their feedback mechanisms to global environmental change. We welcome original research articles, perspectives and reviews involving environmental, microbial and theoretical aspects related to GHGs.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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