◎ ▲ Hitta 第75回Hitta Webinar

Hiroshima Research Center for Healthy Aging (HiHA) 主催:広島大学健康長寿研究拠点

HIROSHIMA UNIVERSITY

Managing Nitrogen for Climate Change Mitigation in Agricultural Sector

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≪Summary≫

Nitrous oxide (N₂O) and Methane (CH₄) are greenhouse gases (GHGs), which contribute to global warming by destroying or removing the troposphere and stratosphere of the ozone layer. The major source of N₂O and CH₄ is the agriculture sector, and their global warming potential is 25 which is 298 times more than that of carbon dioxide (CO₂). The agriculture is a major contributor to GHGs released into the atmosphere and accounts for 23% of the total GHGs produced globally by anthropogenic activities (IPCC, 2019). The mitigation of GHGs from agriculture is one of the potential strategies to minimize the impact of climate change. The effort has been conducted to escalate nitrogen use efficiency by additional substrates in nitrogen fertilizer, e.g., use of organic material, nitrification inhibitors and slow release with technologies of coating to increase food production through an optimized fertilizer utilization rate to reduce negative environmental impact of N₂O losses to atmosphere and NO₃⁻ leaching.



本セミナー<mark>は、</mark>統合生命科学研究科セミナー<mark>として、プログラム共同セミナーの対象です</mark>

<u>開催日時</u>:令和4年 10月 21日(金) 14:00-15:00

Zoomによるwebセミナー ミーティングID: 832 8585 5415 パスコード: 368751

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