



Effect of Human Activities on Carbon and Nitrogen Cycles and Greenhouse Gas Fluxes from Terrestrial Ecosystems

Guest Editor:

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Message from the Guest Editor

This Special Issue of *International Journal of Environmental Research and Public Health (IJERPH)* focuses on the current state of knowledge on the links between human activities, particularly land uses and land-use changes, and C and N cycling in terrestrial ecosystems and greenhouse gas fluxes. New research papers (measurements and modelling) and systematic reviews (synthetic or meta-analysis) are welcome to this issue. Papers dealing with new approaches to measure C and N cycling in terrestrial ecosystems and greenhouse gas fluxes are also welcome.

We will accept manuscripts from different disciplines including greenhouse gas flux measurements, modelling validation and prediction, C and N storage in terrestrial ecosystems, isotopic signatures of C and N life elements and greenhouse gas fluxes under human activities. Here are some examples of topics that could be addressed in this Special Issue:

- Net ecosystem exchange of CO₂.
- Net primary productivity.
- Ecosystem-atmosphere exchange of CH₄ and/or N₂O.
- Soil respiration and its component heterotrophic and autotrophic respiration.
- Isotope of C and N fluxes.
- Terrestrial C and N storage.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

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