



## The Effects of Land Use on Formation of Greenhouse Gases

Guest Editor:

**Prof. Dr. Helvi Heinonen-Tanski**

Department of Environmental  
and Biological Sciences,  
University of Eastern Finland,  
Kuopio, Finland

Deadline for manuscript  
submissions:

**closed (23 July 2021)**

### Message from the Guest Editor

Forest areas are continually reduced because these lands are taken for agriculture, industry, home plots, etc., with more and more roads passing through originally natural or afforested forests. In addition, the drainage of wetlands is continuing, since these soils are taken for forest cultivation, agriculture, peat cutting, etc. Often, new forest trees are planted to get forest products or/and to control desertification—especially in the tropics. These land use processes can increase or decrease formation of greenhouse gases such as carbon dioxide, methane or nitrous oxide and water vapor, both of which increase rainfalls, as there may be, for example, sinks of carbon dioxide due to vegetation but increasing emissions of methane and nitrous oxide due to soil microorganisms. There are too few studies on this important topic even though knowledge in the field is pivotal for land use planning in different countries. We therefore invite authors to submit papers dealing with the effects of land use practices on greenhouse gases in arid or wet climates in different temperature zones.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Sergio Ulgiati**

1. Department of Science and  
Technology, Parthenope  
University of Naples, Centro  
Direzionale, Isola C4, 80143  
Napoli, Italy  
2. State Key Joint Laboratory of  
Environment Simulation and  
Pollution Control, School of  
Environment, Beijing Normal  
University, No. 19 Xijiekouwai  
Street, Beijing 100875, China

## Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

## Author Benefits

**Open Access:** free for readers, with **article processing charges (APC)** paid by authors or their institutions.

**High Visibility:** indexed within **Scopus**, **ESCI (Web of Science)**, **PubAg**, **AGRIS**, **GeoRef**, and **other databases**.

**Journal Rank:** CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

## Contact Us

*Environments* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/environments](http://mdpi.com/journal/environments)  
[environments@mdpi.com](mailto:environments@mdpi.com)  
[X@Environ\\_MDPI](#)