life

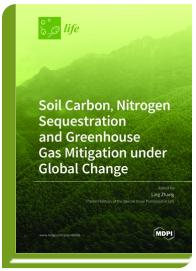
IMPACT FACTOR 3.2

Indexed in: PubMed

CITESCORE 4.3

Special Issue Reprint

Soil Carbon, Nitrogen Sequestration and Greenhouse Gas Mitigation under Global Change



www.mdpi.com/books/reprint/7179

Edited by
Ling Zhang

ISBN 978-3-0365-7345-8 (Hardback)
ISBN 978-3-0365-7344-1 (PDF)

Global change induced extreme climate events are becoming more common than ever. Soil carbon and nitrogen pools correlated significantly with changes in atmospheric greenhouse gas. Large increase in atmospheric greenhouse gases, majorly carbon dioxide, nitrous oxide, and methane, can enhance the heating of atmosphere, which will be generally followed by global warming. Mitigation of greenhouse gas emissions including various strategies, such as the sequestrations of carbon and nitrogen in soil, plant or ecosystems, efficient management of agricultural and forestry ecosystems, mitigation of ecosystem carbon and nitrogen leaching, etc. The mitigation of greenhouse gas emissions from all kinds of sources will be therefore crucial in mitigation of global climate change.

This reprint gathered latest case studies and methodologies, including, but not limited to measurement and mitigation strategies of carbon and nitrogen pools in soil, plant, or ecosystems, and greenhouse gas emissions, will substantially improve our understanding of the potential, ability, and capacity of ecosystems in mitigation of greenhouse gas emissions and hence global climate change.

This reprint can be used by colleagues working on global climate change, ecology, agriculture, forestry and policy makers associated with global change. Chapters included in this reprint were contributed by colleagues from China, Egypt, Italy, Jordan, Mexico, Pakistan, Saudi Arabia, Turkey, etc. It can be used in most countries in the world.

MDPI

MDPI Books

Publishing Open Access Books & Series

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.

Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.

Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.

High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.

High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).

Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.

MDPI AG
Grosspeteranlage 5
4052 Basel
Switzerland
Tel: +41 61 683 77 34
www.mdpi.com/books
books@mdpi.com