



animals



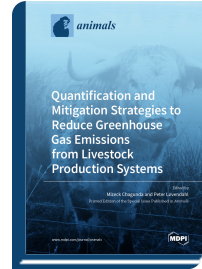
Special Issue Reprint

Quantification and Mitigation Strategies to Reduce Greenhouse Gas Emissions from Livestock Production Systems

www.mdpi.com/books/reprint/2384

Edited by
Mizeck Chagunda
Peter Løvendahl

ISBN 978-3-03928-530-3 (Softback)
ISBN 978-3-03928-531-0 (PDF)



Ruminants contribute significantly to human food security. However, the production of ruminants contributes to greenhouse gas (GHG) emissions that are responsible for climate change. GHGs such as methane, carbon dioxide, and nitrous oxide are produced from different processes of ruminant production. Ruminant enteric methane is a substantial component of methane produced by agriculture. This book presents novel and established methods in quantifying and reducing enteric methane emission from ruminants in different production systems. The book covers different types of ruminants including cattle, sheep, and goats. The chapters are contributed by scientists and authors from different parts of the world, demonstrating the importance of this problem and the universal drive for immediate and sustainable solutions. Although, biologically speaking, the production of enteric methane cannot be reduced to zero, high emissions are an indicator of inefficient digestion of feed in the rumen and low utilisation of feed energy. By presenting research that could lead to robust and yet practical quantification methods and mitigation strategies, this book not only contributes to the discourse and new knowledge on the magnitude of the problem but also brings forward potential solutions in different livestock production systems.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/2384

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.