



Impact of Grazing on Sustainability of Rangelands under Changing Climate

Guest Editors:

Dr. Zalmen Henkin

Newe Ya'ar Regional Research Center, Agricultural Research Organization of Israel, Bet Dagan, Israel

henkinz@volcani.agri.gov.il

Dr. Eli Zaady

Department of Natural Resources, Institute of Plant Sciences Agriculture Research Organization, Ministry of Agriculture, Gilat Research Center, Mobile Post Negev 8531100, Israel

zaadye@volcani.agri.gov.il

Deadline for manuscript submissions:

31 December 2021

Message from the Guest Editors

Dear Colleagues,

Rangelands represent a dominant anthropogenic land use worldwide, making up ~25% of the uncultivated terrestrial land. Now, however, ecological considerations also play an important role. As open landscapes around the world are subject to heavy grazing, questions are raised about animals' impacts on the sustainability of the land. These include topics such as soil properties, soil microorganisms, vegetation composition, richness and diversity, wild animals, birds, reptiles and amphibians, and invertebrate groups.

Increasing grazing intensity can reduce ecosystem resistance, and has a great effect on the ability of the system to recover, and as such large parts of the grazed landscapes have been degraded.

Current climate change models predict a rise in temperatures, a reduction in the number of rainy days, and a higher incidence of extreme events. The multiple effects of grazing and climate change on the sustainability of rangelands can take a negative direction.

This Special Issue will deal with these topics. We welcome novel research articles, reviews, and opinion pieces covering all related issues.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and Wine, University of Adelaide, Urrbrae SA 5064, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), AGRICOLA, AGRIS, and many other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Agronomy and Crop Science*)

Contact Us

Agronomy
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com