



Research on Farmland Evapotranspiration, Soil Evaporation and Water Effective Utilization

Guest Editor:

Dr. Johann Martínez-Lüscher

Plant Stress Physiology Group
(Associated Unit to CSIC, EEAD,
Zaragoza), Universidad de
Navarra-BIOMA, Irunlarrea 1, E-
31008 Pamplona, Navarra, Spain

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

Climate change is progressively increasing temperatures across the globe. In addition, there is an ongoing change in climate patterns, leading to more extreme seasons in temperate regions, as well as an increase in the incidence of extreme events. In many regions, precipitation is becoming scarcer, combined with an increase in crop evapotranspiration due to changes in temperature, air humidity, or insulation. The increasing awareness of desertification and the vulnerability of freshwater ecosystems is also reducing the amount of water available for irrigation. Thus, a more sustainable use of water is required, warranting studies that improve our understanding of crop evapotranspiration, automated soil and plant water status determination, irrigation decision aid systems, soil amendments and irrigation strategies.

In this Special Issue, we aim to improve knowledge related to any aspect of enabling the effective use of water, so that farmers can maintain or increase productivity with reduced precipitation or a smaller budget for irrigation water.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, 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), PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi