agronomy

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 6.2

Innovative Crop Model Development and Applications in Agro-Meteorology

Guest Editors:

Dr. James R. Kiniry
Grassland Soil and Water Research Laboratory, USDA-ARS, 808 East Blackland Rd, Temple, TX 76502, USA

Dr. Sumin Kim
Grassland Soil and Water Research Laboratory, USDA-ARS, 808 East Blackland Rd, Temple, TX 76502, USA

Deadline for manuscript submissions:
closed (25 November 2020)

Message from the Guest Editors

Dear Colleagues,

Process-based crop models have traditionally been developed and applied to annual grain crops. They contain soil description, a water balance to simulate drought and flooding, and nutrient balance subroutines to simulate nutrient demand and stress. With all of these normal components affecting plant growth, a natural extension has been the application of these models to other plant systems. These have included forests, bioenergy plant systems, grassland systems, wetland systems, and even vegetable crop production. This Special Issue will be dedicated to summarizing recent applications of crop models to these other plant systems. It will also include papers describing recent improvements in some commonly used crop models as they simulate annual cropping systems.

Dr. James R. Kiniry
Guest Editor

agronomy

IMPACT FACTOR 3.3

CITESCORE 6.2

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