Special Issue

Adaptation for Crop Production and Sustainable Agriculture in a Changing Climate

Message from the Guest Editor

Crop production and sustainable agriculture are under threat due to climate variability and change. To combat climate change, adaptations especially providing technological and digital interventions are required in current crop and agricultural production systems for sustainable food production under climate change scenarios. Sustainable agricultural production methods by adopting digital adaptations can improve crop productivity with nutritive food to ensure food security. The aim of this Special Issue is to present original research articles and review work related to digital and technological adaptions to produce more food on sustainable basis by effective management of ever decreasing resources. In this Special Issue, we seek original work focused on addressing new digital technologies, innovative methods related to sensors development and applications in agriculture, new technologies for precision agriculture, real time simulations, development of decision support system for monitoring of agriculture systems in field and effective resource utilization for sustainable agriculture.

Guest Editor

Dr. Muhammad Habib ur Rahman

1. Institute of Crop Science and Resource Conservation (INRES), Crop Science Group, University of Bonn, 53113 Bonn, Germany
2. Department of Agronomy, MNS-University of Agriculture, Multan, Punjab, Pakistan

Deadline for manuscript submissions

closed (24 January 2022)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/80340

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))

MDPI