Special Issue

Agro-Ecosystems Resilience in View of Climate Change

Message from the Guest Editors

Agroecosystems are more and more susceptible to climate change and socioeconomic pressures. These issues challenge the livelihoods of agroecosystem-based populations, making multifunctional land systems increasingly central to a sustainable land-use policy. Soil erosion and loss of carbon and other nutrients pose a threat to ecosystem health. In addition, soil microbiomes also play key functions in agroecosystems, affecting soil fertility, crop productivity, and stress tolerance; therefore, the loss of biodiversity leads to alterations in soil functioning and, consequently, to a loss of ecosystem services. Thus, assessing the ecosystem responses to climate variability is of great importance for developing more sustainable management strategies aiming to facilitate both climate change adaptation and mitigation. This Special Issue is aimed at advancing agroecosystems knowledge to decipher and enhance their resilience to climate change. Potential topics include but are not limited to:

- Soil nutrients and fertility;
- Soil biodiversity;
- Soil organic carbon sequestration;
- Soil quality;
- Biogeochemical cycling;
- plant-soil system.

Guest Editors

Dr. Tiziana Danise

Department of Biotechnology, University of Verona, Cà Vignal 2, Strada Le Grazie 15, 37134 Verona, Italy

Prof. Dr. Antonietta Fioretto

Department of Environmental, Biological, and Pharmaceutical Sciences and Technologies, University of Campania "Luigi Vanvitelli", Via Vivaldi 43, 81100 Caserta, Italy

Deadline for manuscript submissions

closed (29 February 2024)

Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6

About the Journal

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

High Visibility:
indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:
JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI