

Special Issue

Agroecosystem Modeling

Message from the Guest Editors

With recent advancements in the computational ability of different field- and watershed-scale agroecosystem models, proper and adequate evaluation and the uncertainty assessment of such tools under different soil, climatic, and management conditions remain a necessity to validate the model credibility. Further, model evaluation under varying soil and climatic conditions helps to determine the suitability and applicability of such models in assessing the effects of a wide range of management practices and climatic variability on crop production and environment. This Special Issue focuses on the application of agroecosystem models to answer various questions related to current and future agricultural practices to achieve agroecosystem sustainability and food security. For this reason, it welcomes highly interdisciplinary, good-quality studies from disparate research fields including crop modeling, climate–water–food nexus modeling, model–data fusion, and water quality modeling at various scales. Original research articles and reviews are accepted.

Guest Editors

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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