Innovative Crop Model Development and Applications in Agro-Meteorology

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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

Special Issue

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Message from the Editor-in-Chief

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