

Hands-On Training Workshop on Crop Growth Modeling UNESCO Chair, MNSUAM & (DSSAT)

On the advice of the Vice Chancellor Prof. Asif Ali (T.I.), a three-day hands-on training workshop on Climate and Crop Growth Modeling was successfully organized from January 07 to 09, 2026, under the umbrella of the UNESCO Chair and CAS-SP at Muhammad Nawaz Shareef University of Agriculture, Multan, Pakistan. The workshop aimed to strengthen capacity in climate-resilient agriculture by providing practical training in crop simulation and modeling tools to faculty members, researchers, and students. The workshop proved to be highly informative and valuable. During the training, participants gained in-depth knowledge about climate change and its impacts on agricultural crops and ecosystems. The practical applications of the DSSAT model were demonstrated effectively, including its use for analyzing climate change, assessing crop growth, and evaluating various crop management strategies. Prof. Dr. Irfan Ahmad highlighted that the DSSAT model is an invaluable tool for researchers, students, and agricultural professionals, as it supports in decision-making for future climatic scenarios, optimizing crop management practices, and developing mitigation and adaptation strategies under changing climate conditions. In his address, he also expressed gratitude to Dr. Mohkum Hammad (Trainer), and Mr. Saeed Ahmad (CoTrainer), for managing such a well-structured and impactful training program. He advised the participants to apply the DSSAT model in their research activities for promoting climate-smart agriculture and encouraged the students to seek guidance from Climate and Crop Modeling Lab. He also assured that such workshops would continue in the future so that more students and researchers can benefit and contribute to addressing agricultural challenges.

