Special Issue

Diapause, Adaptation, Phenotypic Plasticity and Control Strategies of Crop Pests

Message from the Guest Editor

The study of insect diapause, adaptation, phenotypic plasticity, and these genetically determined evolutionary behaviors has long been the cornerstone of entomology, providing fundamental insights into how crop pests survive adverse conditions. More recently, this field has converged with the study of diverse and profound adaptive phenotypes underpinning pest resilience and geographic expansion in the face of climate change and management pressures, providing a theoretical basis for the formulation of pest control strategies.

This Special Issue welcomes the submission of cutting-edge research at the interplay between diapause, adaptation, phenotypic plasticity behaviors, and ecological environments in major crop pests. We seek contributions that leverage advanced tools to unravel the physiological and genetic regulatory mechanisms of diapause, adaptation, and phenotypic plasticity behaviors of crop pests in rapidly changing agroecosystems and at the same time propose innovative pest control strategies.

Guest Editor

Dr. Lin Jin

College of Plant Protection, Nanjing Agricultural University, Nanjing 210095, China

Deadline for manuscript submissions

20 July 2026

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/261658

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

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)