



Role of Small RNAs in Crop Improvement

Guest Editor:

Dr. Cui Zhang

Key Laboratory of Plant
Molecular Physiology, Institute of
Botany, Chinese Academy of
Sciences, Beijing 100093, China

Deadline for manuscript
submissions:

15 September 2024

Message from the Guest Editor

MicroRNAs (miRNAs) and small interfering RNAs (siRNAs), as two major classes of endogenous small RNAs in plants, regulate a variety of developmental and physiological processes with complementary sequences for genes and genomes. siRNAs derived from exogenous sources such as transgenes and viruses were first discovered in plants in 1999, while endogenous small RNAs were first discovered in plants in 2002. In the past ten years, we have extensively and deeply understood the mechanism of the functions of these small molecules in post-transcriptional cleavage and translation repression of target genes. Recent research has begun to uncover the role of small RNAs in agriculture. This Special Issue will focus on the cutting-edge research on the functional mechanisms of small RNAs and especially on their applications in crops, to provide insights for future agricultural practices.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

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.

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 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi