Special Issue

Detection and Identification of Transgenic Organisms in Agriculture

Message from the Guest Editors

The rapid development of genetically modified organisms (GMO) has produced huge benefits. To guarantee the healthy development of biotech organisms, many countries/regions stipulate GMO regulations to monitor GMO planting and application in food and feed. The implementation of GMO regulations requires establishing GMO detection technology that can screen GMO ingredients, identify GM events, and quantify GMO contents. The emergence of genome-edited organisms poses a huge challenge to the development of regulation-compliant detection technology for monitoring and testing. This Special Issue focuses on the development and assessment of GMO detection methods in the screening, identification and quantification of GMOs. This SI on the Detection and Identification of Transgenic Organisms will include interdisciplinary studies embracing agriculture within the disciplines of biochemistry, molecular biology, and omics. Research articles will cover a broad range of accurate quantification technologies, fast detection technology, high-throughput technology and technology focusing on detecting genome-edited organisms. All types of articles are welcome.

Guest Editors

Dr. Yuhua Wu

Oil Crops Research Institute, Chinese Academy of Agriculture Science, Wuhan 430062, China

Dr. Hongfei Gao

Oil Crops Research Institute, Chinese Academy of Agriculture Science, Wuhan 430062, China

Deadline for manuscript submissions

closed (10 December 2022)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/98771

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/journal/agriculture

MDPI

About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)