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 genomeedited 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

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

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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

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