

Special Issue

Molecular Diagnostics for Herbicide Resistance in Weeds

Message from the Guest Editors

The advent of chemical herbicides has propelled agriculture in the modern era, helping producers manage weeds in a simple and efficient manner. These compounds have been used extensively and have triggered a world revolution, increasing the agricultural productivity. It is precisely due to their broad usage and high effectiveness, exerting high selective pressure, that herbicides promoted the evolution of resistant weeds. The continuous use of herbicides as lead to a steady increase in the number of herbicide-resistant biotypes in the past decades. Multiple and often complex resistance has risen, challenging producers with limited control options. Cultural practices must be adapted to protect chemical weed control tools. In this Special Issue, we welcome reports and research results on the molecular characterization of herbicide resistant weeds.

Guest Editors

Dr. Martin Laforest

Agr & AgriFood Canada, St Jean Sur Richelieu Res & Dev Ctr, 430
Gouin Blvd, St Jean, PQ J3B 3E6, Canada

Dr. Marie-Josée Simard

Agr & AgriFood Canada, St Jean Sur Richelieu Res & Dev Ctr, 430
Gouin Blvd, St Jean, PQ J3B 3E6, Canada

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

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

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