



## **Molecular Diagnostics for Herbicide Resistance in 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

Deadline for manuscript  
submissions:

**closed (30 June 2019)**

### **Message from the Guest Editors**

Dear Colleagues,

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.

Dr. Martin Laforest  
Dr. Marie-Josée Simard  
*Guest Editors*





an Open Access Journal by MDPI

## **Editor-in-Chief**

### **Prof. Dr. Peter Langridge**

School of Agriculture, Food and  
Wine, University of Adelaide,  
Urrbrae, SA 5064, 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 (*Agronomy*) / 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](http://www.mdpi.com)

[mdpi.com/journal/agronomy](http://mdpi.com/journal/agronomy)  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)  
[X@Agronomy\\_Mdpi](https://twitter.com/Agronomy_Mdpi)