

Announcement of New Journal

Advances in Weed Science (Formerly Planta Daninha)

The **Brazilian Weed Science Society (Sociedade Brasileira da Ciência das Plantas Daninhas - SBPCD)** is pleased to announce its new Journal **Advances in Weed Science (Formerly Planta Daninha)**, an international, open-access journal focused on all aspects of weed research.

Since 1978, the SBPCD has been publishing the Journal Planta Daninha, an open-access journal dedicated to weed science. During the general assembly on our last congress (Brazilian Weed Science Congress held in Rio in 2018), the society members decided to reorganize and update its journal Planta Daninha. Since then, the society board of directors and the journal editors have made the necessary adjustments to improve the journal for international launching.

On January 21st, 2021, the new journal was launched in a Zoom meeting attended by several participants from all over the world. All significant changes and improvements were described and presented in detail, and the journal's scope, objectives, and editorial policy were explained during the event. Recently, Dr. Carol Mallory-Smith agreed to participate as the Journal's Editor-in-Chief starting on August 2021.

A list of some key improvements that have been since implemented is presented below for those who were unable to participate in the meeting mentioned above:

1- Built a strong editorial board

Our editorial board comprises the Editors-in-Chief, the Editor Advisory Board, Associate Editors, Guest Editors, and a Reviewer Board.

- **Editors-in-Chief** - Four very motivated editors, Dr. Carol Mallory-Smith (Starting in August 2021), Dr. Aldo Merotto, Dr. Carlos Schaedler, and Dr. Anderson Nunes.
- **Editor Advisory Board** - Fourteen well-established scientists who will help the editors build a robust journal.
- **Associate Editors** - Twenty-six young and very motivated scientists who will help handle all the manuscripts received in the journal.
- **Guest Editors** – Currently, eight guest editors are working on two special issues (see item 4 for further details).
- **Reviewers:** We have enhanced both the overall quality of the reviewer board and the actual number of reviewers, and we continue to search for reviewers to help us improve the journal's quality.

We welcome weed scientist volunteers to be part of the board or to review manuscripts for the journal.

2- Improvements on the manuscript's layout

We have modernized the manuscript's layout such that it now displays critical information which was missing in the previous format. Please visit our website to check our latest manuscripts.

3 – Development of a brand-new website

We built a new website and included several improvements and multiple tools to help the authors and readers search for manuscripts and promptly share them on social media.

Please visit us at <https://awsjournal.org>.

There you can find all the information regarding the submission of manuscripts. You will also find a template that will speed up the process of formatting your manuscript. You can find the entire collection of manuscripts from Advances in Weed Science and from the former Planta Daninha journal on the website. The new articles will also be available for free on the journal website and the Web of Science database.

4 - Organizing special issues

Our new journal will organize two to four special issues each year to assemble important topics in weed science in one place. This approach will bring excellent visibility to the published manuscripts and enhance their citation. Two special issues are currently open for submission, and we strongly encourage you to submit your work to either one or both of our special issues.

Special Issue - Seventy-five years of synthetic herbicide use in agriculture: Will there be 100?

Guest Editors: Luis Avila, Carol Mallory-Smith, Per Kudsk, and Bhagirath Chauhan

Background

Since the launch of 2,4-D in 1945, herbicide use revolutionized weed control and contributed to global food security. In this special issue, we will include manuscripts on the history of herbicide use worldwide, the contribution of herbicides to sustainable food production, the contributions that private and public institutions made to safe and effective herbicide use in agriculture, and the challenges that herbicides are facing to continue to be effective, viable and an accepted tool for weed management. Further, we discuss the tools that can enhance this vital technology's lifetime and the need to search for new tools for weed management.



Journal of the
Brazilian Weed Science Society
**Advances in
Weed Science**
formerly Planta Daninha

ISSN 2675-9462

Special Issue Invitation to submit

*"Seventy-five years of synthetic herbicide use in agriculture:
Will there be 100?"*

Deadline postponed to September 15th 2021

Guest Editors:



Dr. Luis Avila
Brazil



Dr. Carol Mallory-Smith
USA



Prof. Per Kudsk
Denmark



Dr. Bhagirath Chauhan
Australia



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Special Issue - *Amaranthus* spp.: a genus of troublesome weeds

Guest Editors: Martin Vila-Aiub, Marcos Yanniccari, Todd Gaines, Rafael de Prado, Julio Scursoni

Background

Changes in weed communities are frequently adverted in connection to the detection of herbicide-resistant or -tolerant weeds. This fact imposes a constant challenge for weed management where the knowledge of weeds' ecophysiology should contribute to a sustainable approach. *Amaranthus* genus includes several species that evolved multiple resistances. These frequently interfere with summer crops and show several "ideal" weed characteristics: C4-species adapted to hot climates and a wide range of environmental conditions, high rate of allogamy or facultative autogamy, high seed production, and great longevity of seed, and great potential for seed dispersal. As a result, weeds of this genus cannot be easily controlled by the exclusive use of herbicides, and integrated weed management strategies are required.

"Amaranthus spp.: a genus of troublesome weeds"

Deadline: July 15th 2021

Guest Editors:



Dr. Marcos Yanniccari
Argentina



Dr. Martin Vila-Aiub
Argentina



Dr. Julio Scursoni
Argentina



Dr. Rafael de Prado
Spain



Dr. Todd Gaines
USA

5. We built an affordable, international open-access Journal

In line with our commitment to open science and promoting weed science globally, we provide the authors an affordable article processing fee, as well as discounts or waivers (please visit our website to determine if you qualify).

6. Indexing and metrics

We already contacted the leading indexing companies, especially Web of Science and Scopus, to keep the new journal as the continuity of Planta Daninha that already was indexed by these companies. We are pleased to announce that we are already in the Web of Science database, and the AWS citations are already being monitored by their system. We are in the final steps to do the same with Scopus.

Being indexed in the two major indexing companies will help us build a strong journal and measure the improvements we have done throughout the metrics that will be calculated in the following years.

7. Final Remarks

We welcome everyone to help the journal fulfill its role by contributing to agricultural development and spreading the voice of Weed Science worldwide.

- Become a reviewer or a member of the editorial board. Please email us at: adv.weed.sci@gmail.com.
- Follow us on the following social networks:
 - o Facebook - <http://web.facebook.com/AdvancesWeedSci>;
 - o Instagram: [@AdvancesWeedSci](https://www.instagram.com/AdvancesWeedSci);
 - o and Twitter: [@AdvancesWeedSci](https://twitter.com/AdvancesWeedSci)).
- Share articles on social media and with your colleagues – All the manuscripts are open-access.
- Submit your manuscript to the Journal; soon, our metrics will be better than those of the former Planta Daninha journal.

Visit our website and spread the word,

With our best regards,

Advances in Weed Science Editorial Board
Board of the Brazilian Weed Science Society
<https://awsjournal.org>