



Mode of Action of Plant Natural Products

Guest Editors:

Dr. Adela M. Sánchez Moreiras

Locality Campus Lagoas-
Marcosende, Dpt. Plant Biology
and Soil Science, Universidade
de Vigo., 36310 Vigo, Spain

Dr. Fabrizio Araniti

Locality Feo di Vito, Department
AGRARIA, University
Mediterranea of Reggio Calabria,
89124 Reggio Calabria, Italy

Dr. Mercedes Verdeguer

Instituto Agroforestal
Mediterráneo (IAM), Universitat
Politécnica de València, Camino
de Vera s/n, 46022 Valencia,
Spain

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Message from the Guest Editors

Throughout the evolutionary process, plants have developed biosynthetic pathways to synthesize and accumulate a great variety of secondary metabolites. Its specificity is especially noteworthy, usually showing a differential response depending on the target species. synthetic herbicides' massive and indiscriminate use in recent decades has increased pollution, and has induced the evolution of resistant weeds that have been exponentially increasing in the last thirty years. So the study of natural compounds belonging to different chemical families will increase the chances of finding an effective alternative to synthetic herbicides. It should be noted that these molecules tend to play more than one role in the metabolism of the producer plant, so there is a greater probability of finding compounds that have multiple sites of action, valorizing their bioherbicidal capacity.

Knowing the mode of action of the phytochemical substances will enable its use in the control of weeds in the framework of sustainable agriculture and will provide the industry with new modes of action for the preparation of organic–organic compounds that are more respectful to the environment.





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Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, St. Alban-Anlage 66
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