

Special Issue

Advances in the Composition and Extraction Process of Natural Extracts to Insects and Microorganisms Management

Message from the Guest Editors

Natural products from plant extracts and essential oils constitute an effective alternative for managing agricultural pests and diseases since they have a variety of biological activities, such as insecticides, antifeedants, deterrents, antimicrobials, etc. Many natural compounds are used to manage pests and diseases, such as alkaloids, terpenoids, flavonoids, phenylpropanoids, and glycosides, among others, which can be different extraction processes. This Special Issue aims to increase knowledge about natural extracts' composition and extraction process, their identification methods, their mechanism of action, and their activity against agricultural pests and diseases.

Keywords

- natural products
- entomology insecticide activity
- bioactive compounds
- molecular diagnostic
- pathogenic microorganism in insect

Guest Editors

Prof. Dr. Miguel Angel Ramos-López

Laboratorio de Compuestos Naturales Insecticidas, Facultad de Química, Universidad Autónoma de Querétaro, Cerro de las Campanas s/n, Col. Las Campanas, 76010 Queretaro, Mexico

Prof. Dr. Juan Campos Guillén

Laboratorio de Biología Molecular de Microorganismos, Facultad de Química, Universidad Autónoma de Querétaro, Cerro de las Campanas s/n, Col. Las Campanas, 76010 Queretaro, Mexico

Deadline for manuscript submissions

30 September 2025



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/209740

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

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))