agriculture

an Open Access Journal by MDPI

IMPACT FACTOR 3.6

CITESCORE 7.8

Sustainable Pest Management for Coffee Production

Guest Editors:

Prof. Dr. Madelaine Venzon
Agriculture and Livestock Research Enterprise of Minas Gerais (EPAMIG), Vila Gianetti 46, Viçosa, MG, Brazil

Prof. Dr. Angelo Pallini
Department of Entomology, Federal University of Viçosa, Campus UFV, Minas Gerais 36570-900, Brazil

Deadline for manuscript submissions:
closed (12 April 2023)

Message from the Guest Editors

Conventional management of coffee pests relies on chemical pesticides, but environmental problems, pest resistance, toxicity-related issues, and trader compliance have led coffee growers to search for alternatives for pest control. Agroecological strategies suitable for coffee cultivation can be adopted by farmers based on plant diversification in order to provide resources for natural enemies, such as nectar, pollen, shelter, microclimate conditions, and oviposition sites, thereby promoting conservation biological control. Additionally, curative measures using less harmful pesticides such as botanical extract and oils and biopesticides are important during periods of high pest populations. Using resistant coffee cultivars, monitoring of pests and knowledge of pest spatial distribution are essential tools for successful sustainable coffee management.

This Special Issue focuses on the above strategies. We welcome original studies addressing them, as well as those on coffee food web interactions on insects and mite communities.

agriculture

IMPACT FACTOR 3.6

CITESCORE 7.8

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.
Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agriculture
agriculture@mdpi.com
𝕏@AgricultureMdpi