

Special Issue

Sustainable Disease Management in Tropical Crops

Message from the Guest Editors

Tropical crops are often grown for an entire year in commercial plantations. In association with high temperature and humidity conditions, this may provide a conducive environment for plant pathogens to quickly develop. As a result, disease control plays a pivotal role in mitigating crop losses. The sustainable management of plant diseases involves efficient, long-lasting, and environmentally friendly control strategies and tactics, preserving the soil health and agricultural biodiversity. Sustainable disease management includes genetic resistance of host plants, biological control, rational use of chemicals, and adoption of agricultural practices (e.g., crop rotation) that minimize potential negative impacts on human health and the environment. The development of economically viable, accessible technologies is crucial to promoting the adoption, by the farmers, of sustainable agricultural practices. Therefore, the main objective is to balance the necessity to increase agriculture production with socioenvironmental responsibility, ensuring tropical crops are cultivated in a healthy and durable manner.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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