

Special Issue

Invasive Alien Plants in Agroecosystems: Ecology, Surveillance, Impacts, Management and Challenges

Message from the Guest Editors

At both the regional and global scale, invasive alien plants (IAPs) in agroecosystems generate a noteworthy effect on plant taxonomic diversity, community dynamics, ecosystem processes and cropping sustainability and profitability. It is also well established that invasion dynamics are rapidly changing due to the escalation of various agroecosystem and human-induced disturbances (e.g. shifts in cropping systems, climate change, worldwide transport of biological commodities, overtourism, changes in land use pattern, etc). Within this framework, understanding the invasiveness of species and the invasibility of habitats provides insight into how weeds and invasive plants spread, an awareness which in turn facilitates the designing of programs to manage invasive plants/weeds, with the ultimate aim of securing cropping sustainability and profitability. Management of invasive weeds follows an internationally agreed hierarchical approach that encompasses the approaches of prevention, early detection, eradication and control. In the current Special Issue, we invite research articles, reviews and opinion articles linked to all the aforementioned aspects of IAPs in agroecosystems.

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