



Avances en la Detección de la Mosca Blanca mediante la Aplicación de Técnicas de Inteligencia Artificial: Un Comprensivo Estado del Arte [

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text (article)

Analítica

Whitefly is a pest that affects various plants around the world, particularly in mild weather and tropical climates. There are more than 1,500 species of whitefly but some such as *Bemisia tabaci* and *Trialeurodes vaporariorum* are especially harmful. Constant monitoring of crops is crucial due to the rapid reproductive cycle of the whitefly. This article presents an exhaustive analysis of the current state of various Artificial Intelligence techniques applied to the early detection of whitefly in different agricultural environments. The objective is to review these techniques, the algorithms implemented, the computational tools used and the relevant parameters for the development of the different control and monitoring systems studied. The results of this review reveal a growing trend towards the adoption of advanced technologies to address the challenges associated with the pest problem, identifying the main techniques and tools that can be adapted to improve the prevention and control of whiteflies, crucial for sustainable agriculture

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