

Special Issue

Smart Pest Monitoring Technology

Message from the Guest Editors

The prevention and control of insect pests could reduce the loss of crops in agriculture. The first step to implement this task is the ability to accurately monitor pests, with the aim of discriminating between various species and estimating their population for precision control. This Special Issue will focus on recent developments in smart pest monitoring technology and practices, helping researchers and practitioners to clarify the methods, applications and challenges of information and digital technologies applied to pest monitoring and management. Submissions on the following topics are encouraged: (1) smart devices for pest monitoring, including bioinformatic-based and electronic-based devices; (2) data processing methods, including acoustic signal processing, image processing, hyperspectral or multispectral sensing, and behavior analysis and multimodal information processing; and (3) application solutions, including large-scale or small-scale solutions, for the monitoring of single or multiple pests.

Guest Editors

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Deadline for manuscript submissions

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