

Research Article

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Leveraging Environmental DNA Meta barcoding to Explore Agro-biodiversity, Microbial Dynamics and the Impact of Plant Extracts on Pest Management in Agricultural Ecosystems

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Sustainable pest management is vital for promoting agricultural productivity while preserving environmental health. This study investigated the integration of plant-based pest control methods with environmental DNA (eDNA) metabarcoding to develop eco-friendly pest management strategy. Soil, plant, and air samples were collected from organic, agroecological, and conven ...

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Carbon Paste Electrode Modified with Natural Clay: Electrochemical Study on the Influence of Clay Content for the Detection of Paracetamol and Dopamine

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The quantitative and qualitative analysis of pharmaceutical and biological compounds is of growing interest, yet it remains challenging due to the complexity of real sample matrices. Such analysis often requires the simultaneous detection of multiple compounds with high sensitivity and selectivity. In this study, raw Moroccan clay from the Chefchaouen region was used ...

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