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Research Article

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Assessment of soil quality in irrigated arid lands under organic agriculture systems

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The process of evaluating the soil quality is complex and is impacted by a variety of physical, chemical, and biological indicators as well as how they interact over time, particularly throughout different cultivation periods. The main objective of the current investigation is to examine how various organic farming practices affect the soil quality indicators at selec ...

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Influence of biochar and NPK on soil chemical properties, growth and yield of cabbage (*Brassica oleracea* L.)

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Author(s): Amankwaah Frederick, Eric Adjei*, Abdul Aziz Khalid, Kwadwo Gyasi Santo, Novor Samuel, Ben Amoah, Alexander Danson-Anokye and Adu Poku Isaac

Few studies have examined how fertilizers affect soil chemical properties, cabbage (*Brassica oleracea* L.) yield, and nutrient uptake in Ghana. This study examined how corn cob biochar (CCB) and NPK (15:15:15) fertilizer affected cabbage growth, yield, soil chemical properties, and nutrient uptake. The study was conducted during the 2021 major season at Soil Research I ...

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Review Article

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Recent status in production, biotechnological applications, commercial aspects, and future prospects of microbial enzymes: A comprehensive review

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Microbial enzymes can come from bacteria, actinomycetes, fungi, yeast, microalgae, and cyanobacteria. The class of extremophile microorganisms is a source of interesting enzymes that can overcome various technological problems.

Globally, these enzymes are industrially produced by fermentation using two techniques: submerged fermentation (SmF) and Solid-State Fermentat ...

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