



Impact of Fertilizers on Phytochemicals in Vegetables

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Message from the Guest Editor

The increasing consumer awareness of the value of vegetables in human diet requires continuous investigation of plants' phytochemicals and the growing factors that impact the antioxidant content of the different varieties of edible plants grown under different agricultural soil management practices, such as recycling animal manure for use in land farming. Many vegetable species have not been analyzed for their concentrations of phenolic compounds, carotenoids, and other vitamins, that have a number of benefits for human health. Microorganisms in animal manures facilitate the slow release of the three main plant nutrients, N, P, and K, from soil organic matter. Bacteria, fungi, protozoa, and algae present in animal manure release various enzymes, that are primary means of degrading toxic compounds in soil systems, mineralization, and release of nutrients for plant uptake.

The aim of this Special Issue is to share original and review research articles on the various aspects of agricultural production systems in relation to organic and inorganic fertilizers and their impact on phytochemicals in edible plants.

Prof. George Antonious
Guest Editor





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Message from the Editor-in-Chief

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