Special Issue

The Role of Phytohormones in Crop Plant Growth and Development

Message from the Guest Editors

With the exponential increase in world population, food security has come under threat and enhancing food security without compromising its quality is required. Adding an additional constraint is the global warming issue that is causing continuous change in climate conditions, further threatening food security. Being sessile, a plant cannot move itself to a comfortable environment and has to face both biotic and abiotic stresses present in the environment. The expectation of ensuring food security at multiple levels includes the introduction of new technologies, genetic manipulation of relevant genes along with application of growth regulators in the agricultural sectors. Phytohormones work together in a cascade of networks that affect each other's action and reaction. Phytohormones control plant growth and development through affecting plant metabolism. The emphasis is to increase growth and yield in plants to maintain the sustainability of both land and population depending on the land produce. In addition, it is necessary to promote research and dissemination of the obtained results in the farmer's field for proper use of growth regulators in agricultural output.

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Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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