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Plant Tissue Culture II

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Message from the Guest Editor

Dear Colleagues,

Plant tissue culture, a scientific technique that exploits the totipotency of plant cells or tissue to regenerate entire or desired plant parts, is being employed in the improvement of plant quality, the production of disease free plants, the production of secondary metabolites and bioactive compounds in liquid cultures, and in mass plant propagation. Plant tissue culture is also used as a platform to obtain a fundamental understanding of plant biology via understanding plant physiology, biochemistry, cytology, embryology, and molecular biology. Mass spectrometry is a superior analytical tool that yields valuable information rapidly with ease for various areas of plant biology research that operate on a plant tissue culture platform. Therefore, reviewing the analytical performance of MS-based methods in the cellular arena is necessary for the furtherance of this integrative technology for the betterment of plant biology.

Dr. Iyyakkannu Sivanesan
Guest Editor



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Message from the Editor-in-Chief

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