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Innovative Plant Biotechnology and Molecular Biology

By A. B. M. Sharif Hossain

LAP Lambert Academic Publishing Jan 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x11 mm. Neuware - Innovation in research related to plant Biotechnology and Molecular Biology keeps an significant role in Applied Biological Science. With view to the importance of this study fruits, vegetable and ornamental plants were used as bioresources. Innovative technologies related to Plant Biotechnology and Molecular Biology are discussed. Application of different cell and tissue culture biotechnology (somatic embryogenesis, protoplast culture), DNA cloning, isolation and transformation, Protein and RNA isolations are described well in the case of Banana, pineapple, citrus fruits, broccoli Vegetables and ornamental plants (hibiscus sp.) using different growth regulators like BAP, NAA, IAA, IBA. The protocol presented well for the isolation of RNA from the pulp of ripening fruit using Agarose gel electrophoresis. SDS-PAGE analysis of different protein extracts has described from Hibiscus sp. Microprophagation from crown, sucker, leaf, root, shoot tip as meristemetic region showed a significant results which mentioned in this study. Transgenic plant mechanism or T-DNA mechanism in plant is described as latest innovation in Molecular Plant Biotechnology. 188 pp. Englisch.



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