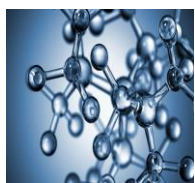


Identification of a new chemical as a substitute of the explosive chemical-ammonium nitrate (NH_4NO_3) in the composition of tissue culture media

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Abstract :

In vitro propagation and large scale cultivation of economically important crops like-potato, banana, gerbera, orchid etc. has been commercially practiced in all over the world. Ammonium nitrate (NH_4NO_3) is an important ingredient of tissue culture medium which is used as a major salt. Demerits of NH_4NO_3 has restricted its use in tissue culture. It is an explosive chemical and use for making bombs and many other destructive activities. Hence, it is totally band in many countries like Bangladesh, India, Pakistan etc.,. We are able to identify a alternate chemical of NH_4NO_3 which is comparatively cheap, non destructive, environment friendly and available everywhere in the world. We are symbolized, it as a "β-chemical" for patent document and other privacy.



Biography :

Dr. M.E. Hoque has completed his Ph.D at the age of 34 years from Indian Agricultural Research Institute (IARI) and Postdoctoral studies from International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi, India. He is the Professor and Chairman of Department of Biotechnology, Sher-e-Bangla Agricultural University, an excellent agricultural university of Bangladesh. He has published more than 50 papers in reputed journals.

Publication:

1. Assessment of some genetic attributes in wheat (*Triticum aestivum* L.) using gene-specific molecular markers
2. Salinity and drought-induced methylglyoxal detoxification in Brassica spp. and purification of a high active glyoxalase I from tolerant genotype
3. In vitro regeneration and rapid multiplication of tuberose
4. STUDIES ON ANTIOXIDANT, ANALGESIC, ANTI-INFLAMMATORY AND CNS DEPRESSANT ACTIVITIES OF THE PLANT CLEOME VISCOSA LINN. 1 khadiza khanam, 2 Most. Murshida Begum*

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