

EFFECT OF IBA ON VEGETATIVE PROPAGATION OF *NERIUM OLEANDER* 'VARIEGATA' THROUGH CUTTINGS

Chinmaya Jena^{1*}, Kartik Pramanik², Bikash Kumar Agrawal³ and Tapan Kumar Behera³

¹Department of Horticulture, M S Swaminathan School of Agriculture, Centurion University of Technology and Management, Paralakhemundi, Odisha, India

²Department of Vegetable Science, College of Agriculture, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha, India
M S Swaminathan School of Agriculture,

³Centurion University of Technology and Management, Paralakhemundi, Odisha, India
Email: chinmaya.jena@cutm.ac.in

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Abstract: An experiment was carried out at Horticulture Nursery, M.S. Swaminathan School of Agriculture, Centurion University of Technology and Management, Paralakhemundi, Odisha during 2019-20. For the experiment sand was taken as rooting medium and experiment designed on Randomized Block Design (RBD) with 6 treatments and 4 replications. The treatments were T₁- Control, T₂- IBA @ 500ppm, T₃- IBA@ 1000ppm, T₄- IBA@1500ppm, T₅- IBA@2000ppm and T₆- 2500ppm. The results express positive response of IBA concentration towards rooting characteristics of Oleander. Application of IBA @ 2500ppm shows higher results on survival percentage, root length, root numbers, rooting percentage and fewer days taken for sprouting of cuttings.

Keywords: Cutting, IBA concentration, Nerium, Rooting

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*Corresponding Author