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EFFECT OF AUXIN-CHEMICAL FORMULATIONS AND CUTTING TYPES ON THE ROOTING BEHAVIOUR OF MURRAYA KOENIGII LINN. STRENG IN RELATION TO BIOCHEMICAL CHANGES

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ABSTRACT: The study was conducted to ascertain the effect of auxin (IBA and NAA) chemical formulations and cutting types on rooting behaviour of *Murraya koenigii* a hard-to-root species. The cuttings taken in spring (March-April) performed better than those taken in Monsoon (July-August). Application of 1.0% IBA+ 2% Captan ® + 2% sucrose-talc to the lateral cuttings resulted in the highest 26.67 per cent rooting during spring. The cuttings with high levels of total phenol, total carbohydrate and C/N ratio elicited good rooting response.

Key words: *Auxin-chemical formulations, Biochemical, Cutting types, Murraya koenigii, Rooting behaviour*