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Callus culture studies on *Jasminum malabaricum* - An endemic medicinal plant

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Congress Abstract

Jasminum malabaricum Wight belonging to the family Oleaceae is endemic to Western Ghats of India. It is a climber, with white flowers and fragrance and known for its ethno medicinal importance like antibacterial, antioxidant, blood purifier, anti-tumor properties. The extensive exploitation of this species has led to reduction of its natural population. Owing to its attributes callus culture studies was carried out using Murashige and Skoog medium with different combinations and concentrations of BAP, NAA and 2,4D. The leaves and stem segments were used as explants for callus growth and leaves responded significantly to produce callus. The total phenolics present in the callus culture were estimated.

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