



सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
पालमपुर – 176 061 (हि.प्र.)
CSIR-Institute of Himalayan Bioresource Technology
Palampur – 176 061 (H.P.)



CSIR-IHBT invites Expression of Interest (EOI) for Transfer of Technology

“Technology for *Valeriana jatamansi* adventitious root culture”

CSIR-IHBT, Palampur has developed a sustainable technology for production of ***Valeriana jatamansi* adventitious roots** in bioreactors, which is ready to transfer. EOI are invited from interested Industries / SMEs / Progressive Entrepreneurs for technology transfer. The application should include details of company profile and marketing strategies. The selected parties shall be called for discussions.

Interested parties may send their Expression of Interest in a sealed cover superscripting “Expression of Interest” addressed to

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***Valeriana jatamansi* adventitious root culture**

Description and advantages of technology

CSIR IHBT, Palampur has develop *Valeriana jatamansi* adventitious root culture technology for sustainable production of valerenic acid, acetoxy valerenic acid and hydroxyl valerenic acid. Adventitious root has significant content of valerenic acid and its derivatives. Furthermore, in vitro induced adventitious roots showed significantly high acetoxy valerenic acid in comparison to parent plant parts. In addition, adventitious roots also showed presence of hydroxyl valerenic acid, which otherwise absent in mother plant. The presence of marker compounds in the adventitious roots and significantly short cultivation cycle (8 weeks' vs 2 years) are the major advantage of this technology to sustainable produce these compounds at large scale production.