A preliminary work on the micro propagation of *Melothria perpusilla*, (Local name, Lam Thabi), a time tested medicinal plant used in traditional treatment in liver diseases in Manipur

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The different ethnic communities in Manipur have well-established knowledge, skills, beliefs and practices relating to promotion of positive health and avoidance of sickness even before the hospital oriented system of medicine. But we, the inhabitants are destroying our resource of medicinal plants for our livelihood, construction of houses and offices unknowingly of the hazards made by ourselves to us. The current study is presenting the tissue culture of an endangered medicinal plant, *Melothria perpusilla* used specially in liver diseases using Murashige and Skoog (MS) medium in different combinations. Morphogenetic changes were observed in *Melothria perpusilla* explants in the MS supplemented with different concentrations of PGR. Different colours of callus formation were observed in MS supplemented with BAP, kinetin and IBA.

**Biography**

O Premila Chanu has obtained Master’s degree in the year 1986 and PhD in the year 1994. At present, she is working as an Associate Professor in Modern College, Imphal. She has published over 10 research papers in reputed national and international journals. She took part in many international and national conferences.

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