

## Ethnomedicinal use of *Lonicera macrantha* (D. Don) Spreng by the tribal people of Mizoram and comparison of the phytochemical constituents and antioxidant activities of the aqueous and hydro-alcoholic crude extracts of the leaves

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Mizoram, one of the north-eastern states of India, is situated at the Indo-Myanmar mega biodiversity hotspot region and is included among the 13 biodiversity hotspots in the Asia-Pacific region listed by the Conservation International. Many of the flora found in the region, which are being used by the Mizo tribes for treating different kinds of ailments, are not yet studied extensively. *Lonicera macrantha* is such an ethnomedicinal plant which is being used for treating certain disorders till today. The plant is also listed in the Taiwanese traditional system of medicine. In the present study, the ethnomedicinal use of the plant by the tribal people of Mizoram was investigated. The plant was collected and the dried leaves were extracted with both water and hydro-alcoholic mixture by cold maceration. Preliminary phytochemical investigation was done on both the aqueous and hydro-alcoholic crude extracts. *In-vitro* antioxidant activities were also performed on both the extracts and high anti-oxidant activities were observed. The phytochemical constituents along with the antioxidant activities of both the aqueous and hydroalcoholic extracts were compared.

### Biography

K. Thanzami has completed her M.S. Pharm from the Department of Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, India in the year 2007 and joined as lecturer at the Department of Pharmacy, Regional of Paramedical and Nursing Sciences (RIPANS), Aizawl, Mizoram, India in the same year. She teaches undergraduate students of pharmacy and is actively involved in the researches taken up by the institute. Currently, she is the coordinator of one on-going project from the Department of Biotechnology, Ministry of Science and Technology, Govt. of India and co-investigator of one research project from the same ministry. She has published two papers in reputed journals, gave poster and oral presentations in different international and national conferences and has conducted two regional level seminars as coordinator. She is currently pursuing her doctoral research from the Department of Pharmaceutical Sciences, Dibrugarh University, Assam.

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