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Pharmacognostic standardization of *Crassocephalum crepidioides* (Benth.) S. Moore: An antipyretic leaf drug

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C*rassocephalum crepidioides* (Benth.) S. Moore belongs to the family Asteraceae. The herb is commonly known as "Preitharpu" by the locals of Manipur. It has been used as a folklore medicine. The fleshy leaves and stems are eaten as a vegetable in Manipur. The leaf juice is used on cuts and bruises to prevent bleeding and for relief from fever, pain and stomach disorders, etc. The current investigation deals with the Pharmacognostic standardization of the said leaf drug. The parameters used are macroscopic, microscopic, histochemistry, preliminary phytochemical screening, physicochemical studies, powder study and fluorescence analysis. The diagnostic characters of leaves are presence of anomocytic stomata, uniseriate multicelled trichomes, fibers with distinct lumen, annular type of vessels, single layer palisade tissue, prism shaped calcium oxalate crystals and tannin filled cells. Physicochemical studies revealed total ash (17.47%), acid insoluble ash (0.65%), water soluble ash (14.8%), water soluble extractive (13.77%), alcohol soluble extractive (2.64%) and chloroform soluble extractive (4.29%). These parameters will help in laying the pharmacopeial standards to authenticate the leaf drug.

Biography

C L Ringmichon obtained a PhD Degree in Botany from University of Mumbai, India. She was working as a Senior Research Fellow in Indian Council of Medical Research (ICMR), New Delhi. She was teaching in Biology at North Point Higher Secondary School, Imphal and Little Angel's English School, Manipur. She was also a Visiting Lecturer in Faculty of Botany, Dapoli Urban Bank Senior College, University of Mumbai. She has Published 08 research Papers and contributed 01 Chapter (Book Published on Ethnobotany of India, Volume 3, by Apple Academic Press Inc.). She had attended 15 International and National Conference, Seminar and Workshop; she had also 03 oral presentations and 07 Poster presentations in international and national conference. Currently, she is working on Ethno medicinal plants of Manipur. Her Doctoral research focused on Pharmacognostic and Pharmacological studies on some Ethno medicinal antipyretic plants from Manipur. Her area of study is Botany, Pharmacognosy, Phytochemistry, Pharmacology and Ethno medicine. She's the member of the Ethnobotany: International Journal of the Society of Ethnobotanists. She has also received Rajiv Gandhi Scholarship (UGC) for her Research work.