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Evidence based evaluation of an endemic medicinal herb in the treatment of Jaundice to promote its cultivation and conservation

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In this research work, *Flemingia tuberosa* Dalzell, an endemic plant of Western Ghats of Maharashtra, has been scientifically evaluated to help spread awareness about it amongst the locals to avoid it from being endangered. The plant has been standardized on the basis of kaempferol content. It showed potent hepatoprotective activity. Also, the absorption-elimination pattern of kaempferol has been established which helped to generate pharmacokinetic parameters for *Flemingia tuberosa* using HPTLC. A better understanding of the pharmacokinetics of the marker compound can also help in designing rational dosage regimen. The study also demonstrates the feasibility of using HPTLC as a tool for the evaluation of the pharmacokinetic parameters of the plant extract. The plant being an endemic species its

pharmacokinetic activity is of prime importance to name it as an 'evidence-based drug'. The evaluation of the plant for its efficacy will help in conservation and cultivation of it and will help farmers to generate revenue. Thus, this study generates employment along with scientifically validated knowledge of the plant.

Speaker Biography

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