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Phytochemical characterization of natural essence from *Mangifera indica* Linn. and *Vitiveria zizaniodes* Linn

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In the present study, attempt has been made to separate terpenes from crude drugs (*Mangifera indica* Linn.). Determination of chemical constituent in percentage by GC and GCMS analysis was done, higher content of α -terpineol (3.26%), β -selinene (3%) found in Totapuri variety other constituents also estimated. Crude *Vitiveria zizanioides* (Linn.) collected from different district region of Maharashtra and vetiver oil separated by distillation method. The physical parameters of oils are determined according to ISI specifications. Percentages of constituents are estimated observed that Bharatpur variety having high percentage of free alcohol as vetiverol (78.10%). The odorous volatile principles of plant and animal sources are known as volatile oils, as they evaporate when exposed to air at ordinary temperature, they are also called as ethereal oils. They represent essence or active constituents of plant; hence they are also known as essential oils chemically they are derived from terpenes and their oxygenated compounds and they are made up of isoprene units (C₅H₈).

Biography

Vikas Vasant Patil has obtained his PhD from North Maharashtra University, Jalgaon Maharashtra, India, in the Faculty of Medicine and Pharmacy. He is working as a Professor and PG Guide at North Maharashtra University. He has published more than 28 papers in reputed journals and has been serving as an Editorial Board Member and Reviewers of reputed journals. He is a Life Member of APTI and INPHARM association.

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