

## Pharmacognostic and phytopharmacological assessment of roots of *Vetiveria zizanioides* for diuretic activity



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### Abstract

Plants produce and reserve a variety of chemical products, several of which are extractable and utilize for medication purpose. *Vetiveria zizanioides* belongs to Poaceae family commonly known as Khas- Khas having strong traditional and cosmetic base in Asian continent. The roots of plants are aromatic and highly valued, ethnomedically claims to be possessing potent diuretic and anti-inflammatory activity. With the intention of scientific exploration of such untapped plant, the plant was studied for its pharmacognostic and phytopharmacological aspects with special reference to conventionally claimed diuretic activity. The results of analytical pharmacognosy and phytochemistry were revealed microscopical structural identification and presence of major secondary phytochemicals along with other important parameters responsible for quality assessment of raw material. The hydro distillate collected from roots of plants was screened for diuretic activity in experimental animals with estimation of various biochemical parameters like Urine volume, Creatinine and Urea level from urine and serum where the results were found to be significant for diuretic potential.

2. "Standardization of Narasimha Churna: A Poly-Herbal Formulation"; Asian Journal of Biomedical and Pharmaceutical Sciences
3. "Strychnos Potatorum: Phytochemical and Pharmacological Review"; PHARMACOGNOSY REVIEWS, VOL 8, ISSUE 15
4. "Pharmacognostic and Biological Studies of the Roots of *Rubia Cordifolia* Linn. (Rubiaceae)"; International Journal of Drug Development and Research/Volume 3/Issue 3
5. "Standardization Of Gomutra Haritaki Vati: An Ayurvedic Formulation"; Int J Pharm Bio Sci Volume 3 Issue 3

[8th International Conference and Expo on Pharmacognosy, Medicinal Plants and Natural Products](#); Webinar- October 21-22, 2020.

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### Biography:

Mrs. Kavita N. Yadav working as Assistant Professor in Pharmacognosy completed her post-graduation in Pharmacognosy from Bharti Vidyapeeth University, Pune. She has published more than 27 papers in National and International Journals.

### Speaker Publications:

1. "Metabolic characterization of *Withania somnifera* from different regions of India using NMR spectroscopy"; Planta Med/Volume 77/ Issue 17