



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555

Vol.10 No.7, pp123-128,2017

Development of Pharmacognostic standards of aerial parts *Alysicarpus vaginalis*

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Abstract: *Alysicarpus vaginalis* is a perennial climber belonging to family Fabaceae. It is a plant of significant medicinal importance in the indigenous system of medicine. All the parts of plant are reported for various ethno botanical and therapeutic uses. Vegetative aerial parts, leaves, stem and roots were collected for macroscopical, anatomical, physicochemical, and phytochemical studies. Microscopically leaf of *A. vaginalis* showed presence of stomata, unicellular trichomes. Stem showed wheel shaped appearance on a transverse cut surface, a particular characteristic feature of fabaceae family. Stem and aerial root exhibit dense sclerenchyma and characteristic wedged shaped medullary rays. Quantitative Phytochemical screening shows presence of higher amount of steroid, phenolic, tannins and flavonoids compounds.

Keywords: Pharmacognostic, Phytochemical, Qualitative Microscopy, Quantitative Microscopy.

Tapadiya G. G *et al*/International Journal of ChemTech Research, 2017,10(7):123-128.
