

3rd International Conference and Exhibition on

Pharmacognosy, Phytochemistry & Natural Products

October 26-28, 2015 Hyderabad, India

Quality control parameters of rhizomes of *Sansevieria roxburghiana* Schult & Schult F

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Sansevieria roxburghiana Schult & Schult F belongs to Asparagaceae family, commonly known as Indian bowstring hemp, is an herbaceous perennial plant with short fleshy stem and stout root stock occurring in the eastern coastal region of India, also in Sri Lanka, Indonesia and tropical Africa. The whole plant is traditionally used as cardio tonic, expectorant, febrifuge, purgative, in glandular enlargement and in rheumatism. The rhizomes are mucilaginous and used in consumptive complaints, long lasting chronic persistent coughs, cold and in ear pain. The present study is aimed to standardize the rhizomes of *Sansevieria roxburghiana* using standard methods. Macroscopic, microscopy, physicochemical and phytochemical analysis and HPTLC finger printing of the plant material has been performed by standard methodologies outlined in API and WHO. Preliminary phytochemical analysis of the plant revealed the presence of carbohydrates, steroids, saponins, flavonoids, phenols and proteins. The percentage of total ash, acid insoluble ash and water soluble ash, loss on drying, alcohol soluble extractive and water soluble extractive of *Sansevieria roxburghiana* were found to be 12.32 ± 0.27 , 1.85 ± 0.27 , 4.83 ± 0.05 , 13.94 ± 0.17 , 16.06 ± 0.44 and 37.89 ± 0.41 respectively. Standardization of herbal materials is becoming a vital role in the development of herbal drug formulation. The results obtained from this study can be used to standardize rhizomes of *Sansevieria roxburghiana*.

Biography

Rajalekshmi M has completed her MPharm (Pharmaceutical Chemistry) from Nitte University in 2009 and she is currently pursuing PhD in Phytochemistry from Manipal University. She has worked as Research officer at SDM Center for Research in Ayurveda and Allied Sciences for more than 2 years. She has published 7 papers in reputed journals.

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