SOME MEDICINAL PLANTS USED FOR NERVOUS DISORDERS: A REVIEW

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Abstract: Use of plants for curing human ailments is an ancient practice. Recently there is revival of interest. Ethno botanical field surveys have been done from different parts of developing countries of the world. It reflects concern about the possible loss of valuable information on traditional medicine. Neurological disorders are often not considered common diseases. They are mental illness like epilepsy which is the most serious chronic disorder affecting millions of people. Other's like Parkinson's, Alzhemirs, Meningitis and Stroke. Nervous disorders also affect speaking, movement, breathing, mood and memory. Herbal medicines are a holistic medium. Growing of these important herbs will add to the terrestrial diversity of the ecosystem and help in conservation of Biodiversity. *Centella asiatica, Avena sativa, Lagenaria sicerana, Cassia fistula* are some of the important plants used in nervous disorders. The different medicinal plant varieties can be studied with biochemical properties and a taxonomic classification can be made based on medicinal uses and on the biochemical relationship drawn. Tissue Culture studies along with molecular characterization can also be done. Important germplasm of the medicinal plants will add to the terrestrial biodiversity and the most effective medicinal plant used for nervous disorder can be obtained.

Keywords: Nervous disorders, Medicinal plants, Biodiversity, Ethnobotany, Mental illness

REFERENCES

Gupta, A.K. (1983). Quality standards of Indian medicinal plants. ICAR New Delhi.

Kokate, C.R. (2008). Practical Pharmacognosy. Vallabh Prakashan, New Delhi.

Singh, Lal (2009). Medicinal plants of India. New Central Book Agency.

Prasad, Reshmi (2005). A manual of medicinal trees. Agrobios Jodhpur.

Sinha, Sushil K. (1997). Useful plants in diabetes. Orissa environmental society.

Gohil, Kashmira, *et al.* (2010). Pharmacological review on *Centella asiatica*. Indian J Pharma Sci. 72(5) 546-556

Soni, Priyanka, *et al.* (2012). Pharmacological properties of *Datura stramonium* as a potential medicinal tree. Asian Pac. J Trop Biomed. 2(12) 1002-1008

Mukherjee, Pulok, *et al.* (2008). The ayurvedic medicine *Clitorea ternatea*. Journal of Ethnopharmacology. 120(3) 291-301

Bhakru, H.K. (1995). Natural Home Remedies. Orient Pub. New Delhi.

Mani, et al. (1994). Ayurvedic Remedies for common diseases. Sterling Pub. New Delhi.

Shestho Totho. *Avena sativa* :symptoms, uses, health benefits and side effects. Men's health remedy tonic women's health

Nair, S., Gupta, P. K. and Mascarenhas, M. V. (1984). In vitro organogenesis from leaf explants of *Annona squamosa* Linn.Plant cell tissue and organ culture. 3(1) pp 29-40

Gupta, Prasoon, et al. (2007). Anti stress constituents of Evolvulus alsinoides; An ayurvedic

crude drug chemical and pharmaceutical bulletin. 55(5) pp 771-775

Datura metel. Plant resources of tropical Africa

Daniele, G. and Machado, *et al.* (2009). Antidepressant like effect of the extract of *Rosmarinus officinalis* in mice; involvement of the monoaminergic system. 33(4) 642-650

Asma, K. and *et al.* (2015). Oleo gum resin of F*erula asafoetida*:a traditional culinary spice in versatile pharmacological activities Res J recent Sci Intl Sci Cong Assoc. 4(4) 16-22

Singh, Jagdev and *et al.* (2015). Amla Indian gooseberry. Gallery med pl.

Dutta, Abhijit and *et al.* (2014). Ethnological and Ethnomedicinal importance of *Aegle marmelos* L. Corr (Bael) among indigenous people of India. American J of Ethnomedicine. 1(5) 290-312

Gonza, M. E., Truzano, Lez and *et al.* (1998). Extract of leaves of *Annona diversifolia* on the central nervous system in mice. John Wiley & Sons ltd

La Shang Su. Phillipine med pl

Manikandaselvi, V. and *et al.* (2016). Uses of *Cassia occidentalis*. Intl J Pharm sci res 37(2) 41-46 Hyun Cho, I. K. (2012). Effects of Panax on neurological disorders. J. ginseng res. 36(4) 342-53

Aconitum. Homeopathyplus

The Global science Gateway. Available from worldwide science .org. Accessed in 2013

Pattanaik, Jinna and *et al.* (2013). Acorus calamus Linn. A herbal tonic for central nervous system. J. of Scientific and Innovative Research.2(5) 950-954.

Singh, Jagdev (2015). Indian Gooseberry.Ayur Times.

Singh, Rajan (2016). Characteristics of medicinal amaltas or Cassia fistula plant.

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Mahendra, Poonam and Bisht, Shradha (2012). Ferula asafetida:Traditional uses and pharmacological activity.Phamacognosy Review. 6(12):141-146.

Wong, danel and Zin, Hua (2012). Neuroprotective properties of Loranthus. Agris Food and Agriculture Organisation of the United Nations.

Da Cheng Haeo (2015). Medicinal plants.Science Direct.

Johnson, David A. (2009). Spotlight on Hyosyacmus.Materia Medica.

Wei Yi Oug (2015). protective effects of Ginseng on neurological disorders.Frontiers in Aging Neuroscience.7:129 **Singh, Jagdev** (2016). Rauwolfia serpentine-Indian Snakeroot.Ayur Times.

Solomon Habtemariam (2016). the therapeutic Potential of Rosemary.Evidence based Complementary and Alternative Medicine.

Anupama (2016). Evolvulus alsinoides Information and Uses.

Carlo Calabrese (2008). Effects of Standardised Bacopa monnieri extract on Cognitive permormance, Anxiety and Depression in the Elderly.J Altern.Complement Med. 14(6):707-713.