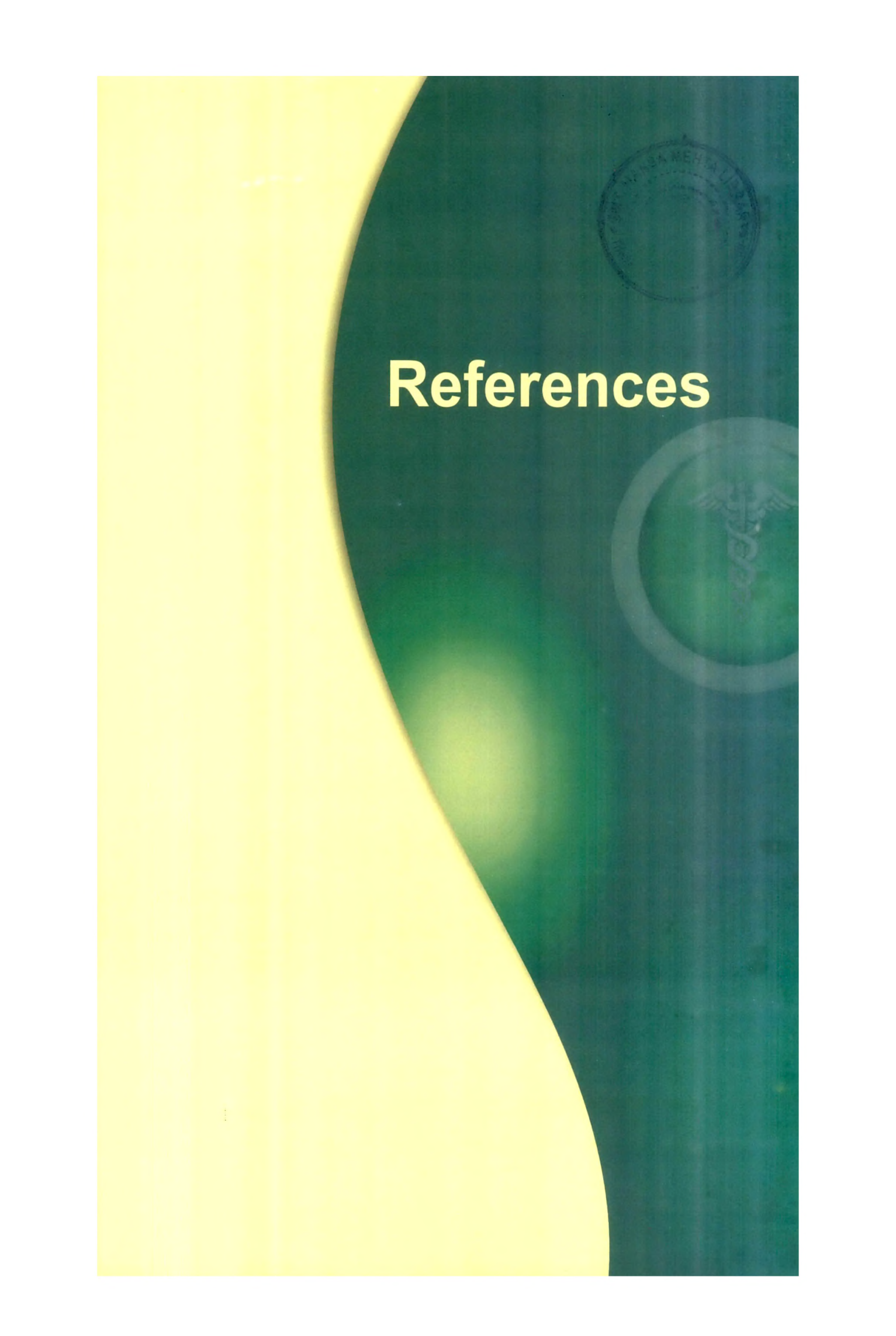
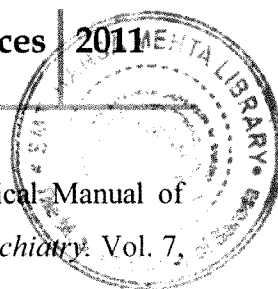




References



- Aboraya, A. (2010). Scientific forum on the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-V) – an invitation. *Psychiatry*. Vol. 7, pp. 32-36. PMID: 21191531.
- Adams, M.; Gmunder, F.; Hamburger, M. (2007). Plants traditionally used in age related brain disorders—A survey of ethnobotanical literature. *Journal of Ethnopharmacology*. Vol. 113, pp. 363–381. PMID: 17720341
- Agarwal, N.; Dey, C. D. (1971). Behavioral and lethal effects of alcoholic extracts of *Evolvulus alsinoides* in albino mice. *J Physiol Allied Sci*. Vol. 31, pp. 81.
- Agarwal, U.; Dixit, S. P.; Dubey, G. P. (1994). The Management of Post-Stroke Functional Disability by an Indigenous Formulation Mentat. *The Indian Practitioner*. Vol. XLVII, No. 9, pp. 759-761.
- Agrawal, A.; Dubey, M.L.; Dubey, G.P. (1990). Effects of “Mentat” on memory anxiety scores of normal subjects in three age groups. *Pharmacopsychologia*. Vol. 3, pp. 43-45.
- Ahmad, M.H.; Rafique, U.M.; McLaughlin, W. (1984). Characterization of indigenous rhizobia from wild legumes. *FEMS Microbiology Letters*. Vol. 24, pp. 197–203.
- Ahmad, S.; Zafar, R. U.; Sahid, M. (2007). Anticonvulsant potential of callus cultures of *Convolvulus microphyllus* Sieb. *OPEM*. Vol. 7, No. 1, pp. 46-50.
- Akhondzadeha, S.; Tavakolianc, R.; Davari-Ashtianic, R.; Arabgolc, F.; Aminia. H. (2003). Selegiline in the treatment of attention deficit hyperactivity disorder in children: a double blind and randomized trial. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. Vol. 27, No.5, pp. 841– 845. PMID: 12921918
- Alaerts, G.; Matthijs, N.; Verbeke, S.; Heyden, Y.V. (2007). Chromatographic fingerprint development for herbal extracts: A screening and optimization methodology on monolithic columns. *Journal of Chromatography A*. Vol. 1172, No. 1, pp. 1-8.
- Alam, M.M.; Siddiqui, M.B.; Hussain, W. (1990). Treatment of diabetes through herbal drugs in rural India. *Fitoterpia*. Vol. 61, No. 3, pp. 240-242.
- Allimuthu, M.; Venilla, M. (2005). Catalogue of Siddha Antimalarial Herbs. National Informatics Centre, New Delhi, India. <http://openmed.nic.in/1141/>, 2005.

- Andrade, C. (1994). ECT-induced anterograde amnesia: Can the deficits be minimised. *Conv Ther.* Vol. 10, No. 1, pp. 59. PMID: 8055293.
- Andrade, C. (1994). Effect of BR-16A (Mentat) on α -2 adrenergic, dopamine autoreceptor and dopamine post-synaptic receptor functioning. *Indian J Pharmacol.* Vol. 26, pp. 292.
- Andrade, C. (1996). The Herbal Treatment of Parkinson's disease: A Possible Role for BR-16A (Mentat). *Ind J Psychol Med.* Vol. 19, No. 2, pp. 82. <http://indianmedicine.eldoc.ub.rug.nl/root/A/1428/>
- Andrade, C.; Raj, T.; Udaya, H. B.; Chandra, S. J. (1994). Effect of BR-16A (Mentat) on α -2 adrenergic, dopamine autoreceptor and dopamine post-synaptic receptor functioning. *Ind J Pharmacol.* Vol. 26, pp. 292-295.
- Andrade, C.; Sudha, S.; Venkataraman, B. V. (2000). Herbal Treatments for ECS-Induced Memory Deficits: A Review of Research and a Discussion on Animal Models. *The Journal of ECT.* Vol. 16, No. 2, pp. 144-156. PMID: 10868324.
- Andrade, C.; Udaya, H.B.; Chandra, J.S. (1995). BR-16A (Mentat) restricts development of ECS-induced retrograde amnesia. *Biol Psychiat.* Vol. 37, pp. 820. PMID: 7647168.
- Andrade, C.; Anitha, K.; Moola, B.; Hegde, R.; Chandra, J.S. (1999). A simplified herbal formulation attenuates electroconvulsive shock induced anterograde amnesia. *J ECT.* Vol. 15, No. 2, pp. 164-165. PMID: 10378157
- Andrade, M.T.; Lima, J.A.; Pinto, A.C.; Rezende, C.M.; Carvalho, M.P.; Epifanio, R.A. (2005). Indole alkaloids from *Tabernaemontana australis* (Muell. Arg) Miers that inhibit acetylcholinesterase enzyme. *Bioorg Med Chem.* Vol. 13, No. 12, pp. 4092-4095. PMID: 15911323.
- Andrieu, S.; Gillette, S.; Amouyal, K.; Nourashemi, F.; Reynish, W.; Ousset, P.J.; Albarede, J.L.; Vellas, B.; Grandjean, H. (2003). Association of Alzheimer's disease onset with Ginkgo biloba and other symptomatic cognitive treatments in a population of women aged 75 years and older from the EPIDOS study. *Journals of Gerontology Series A: Biological Sciences and Medical Sciences* Vol. 58, No. 4, pp. 372-377. PMID: 12663701.

- Anekonda, T.S.; Reddy, P.H. (2005). Can herbs provide a new generation of drugs for treating Alzheimer's disease? *Brain Research Reviews*. Vol. 50, No. 2, pp. 361–376. PMID: 16263176.
- Anis, M.; Sharma, M.P.; Iqbal, M. (2000). Herbal ethnomedicine of the Gwalior forest division in Madhya Pradesh, India. *Pharmaceut Biol*. Vol. 38, pp. 241–253.
- Anonymous. (1998) World Health Organization, Quality Control Methods for Medicinal Plant Materials, WHO, Geneva.
- Anonymous. (2001). The Ayurvedic Pharmacopoeia of India. Ministry of Health and Family Welfare, Department of Indian Systems of Medicine and Homeopathy, Controller of Publications, Delhi, 1st ed, Vol. 2, pp. 147-149.
- Arora, B. B.; Sabharwal, A. (1998). Modern ABC of Biology. *Modern publishers*. Pp. 555-556.
- Arora, D. S.; Kaur, J. (1999). Antimicrobial activity of spices. *International Journal of Antimicrobial Agents* Vol. 12, pp. 257–262
- Ashani, Y.; Grunwald, J.; Kronman, C.; Velan, B.; Shafferman, A. (1994). Role of tyrosine 337 in the binding of huperzine A to the active site of human acetylcholinesterase. *Mol Pharmacol*. Vol. 45, No. 3, pp. 555–560. PMID: 8145739.
- Asthana, S.; Greig, N. H.; Holloway, H. W. (1996). Clinical pharmacokinetics of arecoline in subjects with Alzheimer's disease. *Clin Pharmacol Therap*. Vol. 60, No. 3, pp. 276-282.
- Athukorala Y, Nam K, Jeon Y, Antiproliferative and antioxidant properties of an enzymatic hydrolysate from brown algae *Ecklonia cava*, *Food Chem Toxicol.*, 2006;44: 1065-1074
- Atta-ur-Rahman, Choudhary, M.I., Thomsen, W.J., 2001. Bioassay Techniques for Drug Development. Harwood Academic Publishers, The Netherlands, pp. 142–143.
- Auddy, B.; Ferreira, M.; Blasina, F. (2003). Screening of antioxidant activity of three Indian medicinal plants, traditionally used for the management of neurodegenerative diseases. *J Ethnopharmacol*. Vol. 84, pp. 31–138.

- Aulakh, G.S.; Narayanan, S.; Ma, G. (1988). Phytochemistry and pharmacology of Shankhpushpi—four varieties. *Anc Sci Life*. Vol. 7, pp. 149–156.
- Austin, D.F.; Ghazanfar, S. (1979). Convolvulaceae No. 126. In: Nasir, E., Ali, S.I. (Eds.), *Flora of West Pakistan*. Agricultural Research Council, Islamabad, 1979.
- Austuin, D.F. (2008). *Evolvulus alsinoides* (Convolvulaceae): An American herb in the Old World. *J Ethnopharmacol*. Vol. 117, No. 2, pp. 185–198.
- Ayyanar, M.; Ignacimuthu, S. (2005). Traditional knowledge of Kani tribals in Kouthalai of Tirunelveli hills, Tamil Nadu, India. *J Ethnopharmacol*. Vol. 102, pp. 246–255.
- Azaza, D.; Demircib, F.; Satila, F.; Kürkcüoglu, M. (2002). Antimicrobial Activity of Some *Satureja* Essential Oils. *Z. Naturforsch.* Vol. 57c, pp. 817–821.
- Bairwa, N. K.; Sethiya, N. K.; Mishra, S. H. (2010). Protective effect of stem bark of *Ceiba pentandra* Linn. Against Paracetamol-induced hepatotoxicity in Rats. *Pharmacognosy Research*. Vol. 2, No. 1, pp. 26–30. PMID: 21808535.
- Banerjee, S.K.; Chakravarti, R. N. (1963). Taraxerol from *Clitorea ternatea*. *Bulletin of the Calcutta School of Tropical Medicine*. Vol. 11, pp. 106–107.
- Banerjee, S.K.; Chakravarti, R.N. (1964). Taraxerone from *Clitorea ternatea*. *Bulletin of the Calcutta School of Tropical Medicine*. Vol. 12, pp. 23.
- Baraban, J.M.; Worley, P.F.; Snyder, S.H. (1989). Second messenger systems and psychoactive drug action: focus on the phosphoinositide system and lithium. *Am J Psychiatry*. Vol. 146, No. 10, pp. 1251–1260. PMID: 2571304.
- Barar, F.S.; Sharma, V.N. (1965). Preliminary pharmacological studies on *Convolvulus pluricaulis* chois—an Indian indigenous herb. *Indian J Physiol Pharmacol*. Vol. 9, No. 2, pp. 99–102.
- Barnes, P. M.; Powell-Griner, E.; McFann, K.; Nahin, R. L. (2004). Complementary and alternative medicine use among adults: United States, 2002. *Advance Data*. Vol. 27, No. 343, pp. 1–19. PMID: 15188733.
- Bastianetto, S.; Ramassamy, C.; Dore, S.; Christen, Y. (2000) The ginkgo biloba extract (EGb 761) protects hippocampal neurons against cell death induced by β -amyloid. *European Journal of Neuroscience*, Vol. 12, pp. 1862–1890.

- Basu, N.K.; Dandiya, P.C. (1948). Chemical investigation of *Convolvulus pluricaulis*. *J Am Pharm Assoc*. Vol. 37, pp. 27-28.
- Bauernfeind, J. (1980). Vitamin E – A Comprehensive Treatise, Marcel Dekker, L. J. Machlin (ed.), New York 1980, p. 99
- Baveja, S. K.; Singla, R.D. (1969). Investigation of *Evolvulus alsinoides* Linn. (Shankhpushpi). *Indian J Pharm*. Vol. 31, pp.108–110.
- Bebbington, A.; Kulkarni, R.; Roberts, P. (2005). Ginkgo Biloba-Persistent Bleeding After Total Hip Arthroplasty Caused by Herbal Self-Medication. *The Journal of Arthroplasty*. Vol. 20, No. 1, pp.125-126. PMID: 15660071.
- Bhakuni, R.S.; Tripathi, A.K.; Shukla, Y.N. (1996). Insect antifeedant constituent from *Convolvulus microphyllus* (L.) Sieb. *Phytother Res*. Vol. 10, No. 2, pp. 170-171.
- Bhardwaj, S.K.; Srivastava, K.K. (1995). Effect of a Composite Indian Herbal Preparation, CIHP (III) on Avoidance Learning during Endurance Performance of Rats. *Indian J Exp Biol*. Vol.33, No.8, pp. 580-584.
- Bharkatiya, M.; Goyal, A.; Gupta, G. D.; Gaud, R. S. (August 2006). Memory Enhancers. *The Indian Pharmacist*. pp. 32-36.
<http://cat.inist.fr/?aModele=afficheN&cpsidt=18872046>
- Bhatnagar, M.; Shukla, S.D.; Jain, S. (2000). Cytoprotective effects of shankhpushpi an *E. alsinoids* preparation on hippocampal cells in mice. *Indian Drugs*. Vol. 37, No. 6, pp. 280-285.
- Bhattacharya, A.; Chatterjee, A.; Ghosal, S.; Bhattacharya, S. K. (1999). Antioxidant activity of active tannoid principles of *Emblica officinalis* (amla). *Indian J Exp Biol*. Vol. 37, No. 7, pp. 676-680. PMID: 10522157.
- Bhattacharya, S. K. (1994). Nootropic Effect of BR-16A (Mentat), a Psychotropic Herbal Formulation, on Cognitive Deficits-induced by Prenatal Under nutrition, Postnatal Environmental Impoverishment and Hypoxia in Rats. *Ind J Exp Biol*. Vol. 32, No. 1, pp. 31-36. PMID: 8045602.
- Bhattacharya, S.K. (1994). Behavioural studies on BR-16A (Mentat), a herbal psychotropic formulation, *Indian J Exp Biol*. Vol. 32, pp. 37-43.
- Bhattacharya, S.K., Muruganandam, A.V., 2003. *Pharmacol Biochem Behav*, 75, 547-555.

- Pharmacological evaluation of novel Alzheimer's disease therapeutics: acetylcholinesterase inhibitors related to galanthamine. *The Journal of Pharmacology and Experimental Therapeutics*. Vol. 277, No. 2, pp. 728–738. PMID: 8627552.
- Boszormenyi, A.; Héthelyi, E.; Farkas, A.; Horváth, G.; Papp, N.; Lemberkovics, E.; Szoke, E. (2009). Chemical and genetic relationships among sage (*Salvia officinalis* L.) cultivars and Judean sage (*Salvia judaica* Boiss.). *J Agric Food Chem*. Vol. 57, No. 11, pp. 4663–4667. PMID: 19449812.
- Brahma, S.K.; Debnath, P.K. (2003). Therapeutic importance of Rasayana drugs with special reference to their multi-dimensional actions. *Aryavaidyan*. Vol. 16, No. 3, pp. 160–163. <http://indianmedicine.eldoc.ub.rug.nl/root/B/7674/>
- Brain, K.R.; Turner, T.D. (1975). The practical evaluation of phytopharmaceuticals. (Wright Sciencetechnica, Bristol). pp. 36–45.
- Burkill, H.M. (1985). The useful plants of west tropical Africa, Royal Botanic Gardens. Vol. 1, pp.33.
- Burnett, B. P.; Stenstrom, K.K.; Baarsch, M J.; Swafford, W. S.; Ehrenzweig, J.; Levy, R. M. (2009). A Flavonoid Mixture, Dual Inhibitor of Cyclooxygenase and 5-Lipoxygenase Enzymes, Shows Superiority to Glucosamine/ Chondroitin for Pain Management in Moderate Osteoarthritic Dogs. *Intern J Appl Res Vet Med*. Vol. 7, No. 1 - 2, pp. 1–12.
- Bussmann, R.W.; Gilbreath, G.G.; Solio, J. (2006). Plant use of the Maasai of Sekenani Valley, Maasai Mara, Kenya. *J Ethnobiol Ethnomed*. Vol. 2, pp. 22–25.
- Carlini, E. A. (2003). Plants and the central nervous system. *Pharmacology Biochemistry and Behavior*. Vol. 75, No. 3, pp. 501–512. PMID: 12895668.
- Cervenka, F.; Jahodar, J. (2006). Plant metabolites as nootropics and cognitive. *Ceska Slov Farm*. Vol. 55, pp. 219–229.
- Cervenka, F.; Kolečkar, V.; Rehakova, Z. (2008). Evaluation of natural substances from *Evolvulus alsinoides* L. with the purpose of determining their antioxidant potency. *J Enzym Inhib Med Chem*. Vol. 23, No. 4, pp. 574–578.
- Cervenka, F.; Víchova, P.; Kolečkar, V. (2006). *Evolvulus alsinoides* L. Phytochemical analysis, Conference Proceedings, DPhG Jahrestagung – Joint Meeting, Marburg, Germany. October 5–7, pp. 106.

- Chana, K.; Choo, C.; Abdullah, N. R.; Ismail, Z. (2004). Antiplasmodial studies of *Eurycoma longifolia* Jack using the lactate dehydrogenase assay of *Plasmodium falciparum* *Journal of Ethnopharmacology*. Vol. 92, pp. 223–227.
- Chatterjee, A. (1990). *Treatise of Indian Medicinal Plants*. New Delhi, India, Council for Scientific and Industrial Research. pp. 327.
- Chaturvedi, G.N.; Sharma, R.; Sen, S.P. (1966). Hypotensive effect of certain indigenous drugs with special reference to Shankhapuspi (*C. pluricaulis*) in anaesthetised dogs. *J Res Indian Med*. Vol. 1, No.1, pp.57-67.
- Chaturvedi, M.; Mali, P. C.; Dixit, V.P. (1995). Hypolipidemic effect of *Convulvulus microphyllus* in cholesterol fed gerbils. *J Phytological Res*. Vol. 8, pp. 153–155.
- Chaturvedula, V. S. P.; Sprague, S.; Schilling, J.K.; Kingston, D.G. (2003). New cytotoxic indole alkaloids from *Tabernaemontana calcarea* from the Madagascar rainforest. *J Nat Prod*. Vol. 66, No. 4, pp. 528-531. PMID: 12713407.
- Chaudhuri RK, Ghosal S. Xanthones of *Canscora decussata* Schult. *Phytochemistry* 1971; 10: 2425-2432.
- Chavez, M. L.; Jordan, M A.; Chavez, P.I. (2006). Evidence-based drug–herbal interactions. *Life Sciences*. Vol. 78, No. 18, pp. 2146–2157. PMID: 16427091.
- Cheng, J. T. (2000). Drug therapy in Chinese traditional medicine. *J Clin Pharmacol*. Vol. 40, No. 5, pp. 445–450. PMID: 10806595.
- Chi, J.; Xu, L.; Ma, C.; Liu, A. (1997). Chemical constituents of the leaves of *Ginkgo biloba*. *Zhongguo Zhong Yao Za Zhi*. Vol. 22, No. 2, pp. 106-107, 128. PMID: 10743204
- Chintalwar, G.J.; Chattopadhyay, P. (2006). Structural conformation of deccusatin: *Swertia deccusata* xanthone. *Nat Prod Res*. Vol. 20, pp. 53-56.
- Chow, P.S.; Landhausser, S.M. (2004). A method for routine measurements of total sugar and starch content in woody plant tissues. *Tree Physiology*. Vol. 24, pp. 1129 –1136.
- Chunekar, K.C. (1969). *Bhavaprakasa Nighantu* (Commentary), Chowkhamba Vidyabhawan, Varanasi. pp. 454-455.

- Cramer, L.H. (1981). Gentianaceae In: Dassenayake, M.D., Fosberg, F.R. (Eds.), A Revised Handbook of the Flora of Ceylon. Amarind Publishing Co., New Delhi. Vol. 3, pp. 55–78.
- Cruz, L.; Castaneda-Hernandez, G.; Navarrete, A. (1999). Ingestion of chilli pepper (*Capsicum annum*) reduces salicylate bioavailability after oral aspirin administration in the rat. *Can J Physiol Pharmacol*. Vol. 77, No. 6, pp. 441–446. PMID: 10537230.
- D'Archivio, M.; Filesì, C.; Di Benedetto, R.; Gargiulo, R.; Giovannini, C.; Masella, R. (2007). Polyphenols, dietary sources and bioavailability, *Ann Ist Super Sanita*. Vol. 43, No. 4, pp. 348-361
- Daisy, P.; Priya, N.; Rajathi, M. (2004). Immunomodulatory activity of *Eugenia jambolana*, *Clitorea ternatea* and *Phyllanthus emblica* on alloxan induced diabetic rats. *J Exp Zool*. Vol. 7, No. 2, pp. 269-278.
- Dandekar, U.P.; Chandra, R.S.; Sharma, A.V. (1992). Analysis of a clinically important interaction between phenytoin and shankhapushpi, an Ayurvedic preparation. *Journal of Ethnopharmacology*. Vol. 35, No. 3, pp. 285-258. PMID: 1548901.
- Dandiya, P.C. (1990). The pharmacological basis of herbal drugs acting on CNS. *The Eastern Pharmacist*. Vol. 33, pp. 39-47.
- Dandiya, P.C.; Chopra, Y.M. (1970). CNS-active drugs from plants indigenous to India. *Indian J Pharm*. Vol. 2, No. 3, pp. 67-90.
- Dash, G.K.; Suresh, P.; Sahu, S.K. (2002). Evaluation of *Evolvulus alsinoides* Linn. for anthelmintic and antimicrobial activities. *J Nat Rem*. Vol. 2, pp. 19-22.
- De, S.; Ravishankar, B.; Bhaskar, G.C. (1998). Plants with Hepatoprotective Activity –A Review. *Indian Drugs*. Vol. 80, No. 8, pp. 355-363.
- Debnath, N.B.; Chakravarti, D.; Ghosh, A. (1975). Fatty acids of *Clitorea ternatea* seed oils. *Journal of the Institution of Chemists*. Vol. 47, pp. 253–255.
- Deshpande, S.M.; Srivastava, D.N. (1969). Chemical examination of the fatty acids of *Convulvulus pluricaulis*. *Indian Oil Soap J*. Vol. 34, No. 2, pp. 217-218.
- Deshpande, S.M.; Srivastava, D.N. (1969). Chemical studies of *Convulvulus pluricaulis* Choisy. *J Indian Chem Soc*. Vol. 46, No. 8, pp. 759-760.

- Deshpande, S.M.; Srivastava, D.N. (1975). Gas chromatographic identification of fatty acids, fatty alcohols, and hydrocarbons of *Convolvulus pluricaulis* (Choisy). *J Am Oil Chem Soc.* Vol. 52, No. 8, pp. 318-319.
- Devi, B.P.; Boominathan, R.; Mandal, S.C. (2002). Studies on pharmacognostical profiles of *Clitorea ternatea* root (blue flowered variety). *Indian J Nat Prod.* Vol. 18, pp. 2-15.
- Devi, U.K.; Swarup, A. (2000). Evaluation of Clinical Efficacy of Menotab in Alleviating Symptoms of Menopausal Syndrome: Phase III Open Clinical Trial. *The Antiseptic.* Vol. 98, No. 3, pp. 87-89.
- Dey, D.; Das, M. N. (1988). Pharmacognosy of antidysenteric drugs of Indian medicine. *Acta Botanica Indica.* Vol. 16, pp. 216-226.
- Dhar, R. S.; Verma, V.; Suri, K. A.; Sangwan, R. S.; Satti, N. K.; Kumar, A.; Tuli, R.; Qazi, G. N. (2006). Phytochemical and genetic analysis in selected chemotypes of *Withania somnifera*. *Phytochemistry.* Vol. 67, No. 20, pp. 2269-2276. PMID: 16956635.
- Dhingra, D.; Valecha, R. (2007). Evaluation of the antidepressant-like activity of *Convolvulus pluricaulis* choisy in the mouse forced swim and tail suspension tests. *Med Sci Monit.* Vol. 13, No. 7, pp. 155-161.
- Dhingra, D.; Valecha, R. (2007). Screening for antidepressant-like activity of *Convolvulus pluricaulis* Choisy in mice. *Pharmacologyonline.* Vol. 1, pp. 262-278.
- Dikshit, S.K.; Tewari, P.V.; Dixit, S.P. (1972). Anticonvulsant activity of *C. decussata*, Roem and Schult. *Indian J Physiol Pharmacol.* Vol. 16, No. 1, pp. 81-83.
- Dixit, S. P. (1971). Effect of certain indigenous drugs in convulsion in children. *JRIM.* Vol. 6, No. 2, pp. 214-224.
- Dixit, V. K. (2011). Controversial ayurvedic herbs. *J Adv Pharm Tech Res.* Vol. 2, pp. 78-80.
- Doughari JH. Antimicrobial Activity of *Tamarindus indica* Linn. *Tropical Journal of Pharmaceutical Research*, December 2006; 5 (2): 597-603.
- Dubey, N.K.; Kumar, R.; Tripathi, P. (2004). Global promotion of herbal medicine: India's opportunity. *Curr Sci.* Vol. 86, pp. 37-41.

- Dvorak, P. (1995). Modified test with *A. salina* for observation of effect of interactions of heterogeneous compounds. In: Collection of abstracts from 7th conference on Toxicity and biodegradability of wastes and chemicals significant in aquatic environment. Milenovice, Czech Republic. (In Czech)
- Dvorak, P.; Sucman, E.; Cervenakova, D.; Korinek, K.; Blechova, R. (1999). Utilization of bioassay with *Artemia salina* in pharmacotoxicology. In: Collection of abstracts from 9th conference on Toxicity and biodegradability of wastes and chemicals significant in aquatic environment. Solan, Czech Republic, 13-15. 9. (In Czech)
- Ebrahimzadeh, M.A.; Hosseinimehr, S.J.; Hamidinia, A.; Jafari, M. (2008a). Antioxidant and free radical scavenging activity of *Feijoa sellowiana* fruits peel and leaves. *Pharmacologyonline*. Vol. 1, pp. 7-14.
- Egashira, N.; Iwasaki, K.; Ishibashi, A.; Hayakawa, K.; Okuno, R.; Abe, M.; Uchida, N.; Mishima, K.; Takasaki, K.; Nishimura, R.; Oishi, R.; Fujiwara, M. (2008). Repeated administration of Yokukansan inhibits DOI-induced head-twitch response and decreases expression of 5-hydroxytryptamine (5-HT) 2A receptors in the prefrontal cortex. *Prog Neuropsychopharmacol Biol Psychiatry*. Vol.32, No. 6, pp. 1516-1520. PMID: 18558456.
- Eisenberg, D. M.; Davis, R. B.; Ettner, S. L.; Appel, S.; Wilkey, S.; Van Rompay, M. I., et al., (1998). Trends in alternative medicine use in the United States, 1990- 15 Fouladbakhsh and Stommel: The CAM Healthcare Model 1997: Results of a follow-up national survey. *Journal of the American Medical Association*. Vol. 280, No. 18, pp. 1569-1675. PMID: 9820257.
- Eisenberg, D. M.; Kessler, R. C.; Foster, C.; Norlock, F. E.; Calkins, D. R.; Delbanco, T. (1993). Unconventional medicine in the United States. *New England Journal of Medicine*. Vol. 328, No. 4, pp. 246-252. PMID: 8418405.
- Emboden, W. (1972). Narcotic plants. London: Studio Vista.
- Encyclopedia Britannica Online. 2007. <http://www.britannica.com> (retrieved April 5, 2007).
- Eneroth, P.; Lindstedt G. (1965). Thin-Layer Chromatography of Betaines and Other Compounds Related to Carnitine. *Analytical Biochemistry*. Vol. 10, pp. 479-485.

- Gertz, H.J.; Kiefer, M. (2004). Review about *Ginkgo biloba* special extract EGb 761 (Ginkgo). *Curr Pharm Des* Vol. 10, No. 3, pp. 261–264. PMID: 14754386.
- Ghanekar, B.G. (1981). Sutrasthana. In: Sushrut Samhita. Motilal Banarasidas, Varanasi, p. 3.
- Ghosal, S.; Ballava, R.; Chauhan, P.S. (1976). New 1, 3, 5-trioxygenated xanthenes in *Canscora decussata*. *Phytochemistry*. Vol. 15, pp. 1041-1043.
- Ghosal, S.; Biswas, K.; Chaudhary, R.K. (1977). Chemical constituents of Gentianaceae part 22, structure of new 1, 3, 5-tri and 1, 3, 5, 6, 7-penta oxygenated Xanthone *Canscora decussata* Schult. *J Pharm Sci*. Vol. 14, pp. 1597-1605.
- Ghosal, S.; Biswas, K.; Chaudhuri, R.K. (1978). Chemical constituents of Gentianaceae XXIV: Anti-mycobacterium tuberculosis activity of naturally occurring xanthenes and synthetic analogs. *J Pharm Sci* .1 Vol. 67, No. 5, pp. 721-722.
- Ghosal, S.; Chaudhary, R.K.; Nath, A. (1971). Chemical constituents of the roots of *Canscora decussata*. Part II. *J Ind Chem Soc*. Vol. 48, No. 6, pp. 589-592.
- Ghosal, S.; Chaudhary, R.K.; Nath, A. (1973). Chemical constituents of Gentianaceae IV New Xanthone of *Canscora decussata*. *J Pharm Sci*. Vol. 62, No. 1, pp. 137-139.
- Ghosal, S.; Chaudhuri, R.K. (1973). New tetra oxygenated xanthenes of *Canscora decussata*. *Phytochemistry*. Vol. 12, pp. 2035-2038.
- Ghosal, S.; Chaudhuri, R.K. (1975). Chemical constituents of Gentianaceae XVI: Antitubercular activity of xanthenes of *Canscora decussata* Schult. *J Pharm Sci*. Vol. 64, No. 5, pp. 888-889.
- Ghosal, S.; Chaudhuri, R.K.; Nath, A. (1973). Lanostane triterpenes of *Canscora decussata*. *Phytochemistry*. 12: 1763-1766.
- Ghosal, S.; Singh, A.K.; Chaudhary, R.K. (1976). Chemical constituents of Gentianaceae XX: Natural occurrence of (-) loliolide in *Canscora decussata*. *J Pharm Sci*. Vol. 65, No. 10, pp. 1549-1551.
- Glavind, J.; Holmer, G. (1967). Thin layer chromatographic determination of antioxidants by the stable free radical α,α' -diphenyl- β -picrylhydrazyl. *J Am Oil Chem Soc*. Vol. 44, pp. 539–542.

- Haaz, S. (2007). Yoga for people with arthritis. <http://www.hopkinsarthritis.org/patient-corner/disease-management/yoga.html>.
- Handa, S.S. (1994). Rasayana drugs part II. *Pharma Times*. Vol. 26, No. 3, pp. 17-25.
- Harborne, J.B. (1998). Methods of extraction and isolation. In: *Phytochemical Methods*. (Chapman and Hall, London). pp. 60-66.
- Hashmi, S.; Ghouse, A.K. (1994). Analysis of Jadwar, a controversial Herbal Drug. *Hamdard Med*. Vol. 37, pp. 79-84.
- Hatakeyama, Y.; Matsuo, M.; Tomoi, M.; Ohtsuka, M.; Shimomura, K. (1995). Luminal dilution caused by certain mild irritants and capsaicin contributes to their gastric mucosal protection. *Am J Physiol Gastrointestinal Liver Physiol*. Vol. 268, No.2, pp. 200–206. PMID: 7864117.
- Hegde, H.V.; Hegde, G.R.; Shriparhi, V. (2006). Herbal care for reproductive health. Ethnomedicobotany from Uttara Kannada district in Karnataka, India. *Compl Ther Clinl Pract*. Vol. 13, pp. 38–45.
- Hegnauer, R. (1964). *Chemotaxonomie der Pflanzen*. Birkhäuser Verlag, Vol. 3, pp. 129-137.
- Hendrickson, R. (April 2000). The Facts on File Encyclopedia of Word and Phrase Origins. *New York: Facts on File*.
- Ho, Y. S.; So, K. F.; Chang, R. C. C. (2010). Anti-aging herbal medicine—How and why can they be used in aging-associated neurodegenerative diseases. *Ageing Research Reviews*. Vol. 9, No. 3, pp. 354–362. PMID: 19833234.
- Hollman, P.C.H. (1997). Bioavailability of the dietary antioxidant flavonol quercetin in man. *Cancer Letters*. Vol. 114, pp. 139-140
- Honda, T.; Saito, N.; Kusano, T. (1991). Isolation of anthocyanins (Ternatin A1, A2, B1, B2, D1, and D2) from *Clitoria ternatea* (double blue) having blood platelet aggregation-inhibiting and vascular smooth muscle relaxing activities. *Japan Kokai Tokyo Koho*. pp. 7.
- Howes, M. J.; Houghton, P. J. (2003). Plants used in Chinese and Indian traditional medicine for improvement of memory and cognitive function. *Pharmacology Biochemistry and Behavior*. Vol. 75, No. 3, pp. 513–527. PMID: 12895669.
- Hua, X.Y.; Chen, P.; Hwang, J.; Yaksh, T.L. (1997). Antinociception induced by cyanide, an orally active capsaicin analogue. *Pain*. Vol. 71, No. 3, pp. 313–322. PMID: 9231875.

- Husain, M.; Mehta, M. A. (January 2011). Cognitive enhancement by drugs in health and disease. *Trends in Cognitive Sciences*. Vol. 15, No. 1, pp. 28-36. PMID: 21146447.
- Husain, S.; Devi, K.S. (1998). Fatty acid composition of three plant species: *Clitorea ternatea*, *Mandulea suberosa* and *Ruta chalapensis*. *Journal of the Oil Technologists Association of India*. Vol. 30, pp. 162–164.
- Ikeda, Y.; Murakami, A.; Ohigashi, H. (2008). Ursolic acid: An anti- and pro-inflammatory triterpenoid, *Mol Nutr Food Res*. Vol. 52, pp. 26–42.
- Ingkaninan, K.; Best, D.; Heijden, V.D.; Hofte, A.J.P.; Karabatak, B.; Irth, H.; Tjaden, U.R.; Greef, V.D.; Verpoorte, R. (2000). High-performance liquid chromatography with on-line coupled UV, mass spectrometric and biochemical detection for identification of acetylcholinesterase inhibitors from natural products. *J Chromatogr A*. Vol. 872, No. 1-2, pp. 61–73. PMID: 10749487
- Insel, T.R.; Wang, P.S. (2010). Rethinking mental illness. *JAMA*, Vol.303, No.19, pp. 1970- 1971. PMID 20483974.
- Iovieno, N.; Dalton, E. D.; Fava, M.; Mischoulon, D. (2011). Second-tier natural antidepressants: Review and critique *Journal of Affective Disorders*. Vol. 130, No. 3, pp. 343–357. PMID: 20579741.
- Irie, Y.; Keung, W. M. (2003). Rhizoma acori graminei and its active principles protects PC-12 cells from the toxic effect of amyloid β - peptide. *Brain Research* Vol. 963, pp. 282-289.
- Ishida T, Obara Y, Kamei C. Studies on wakefulness-promoting effect of memantine in rats. *Behav Brain Res* 2010;206(2):274–8.
- Iwasaki, K.; Maruyama, M.; Tomita. N.; Furukawa, K.; Nemoto, M.; Fujiwara, H.; Seki, T.; Fujii, M.; Kodama, M.; Arai, H. (2005). Effects of the traditional Chinese herbal medicine Yi-Gan San for cholinesterase inhibitor-resistant visual hallucinations and neuropsychiatric symptoms in patients with dementia with Lewy bodies. *J Clin Psychiatry*. Vol. 66, No. 12, pp. 1612-1613. PMID: 16401166.
- Iwasaki, K.; Satoh-Nakagawa, T.; Maruyama, M.; Monma, Y.; Nemoto, M.; Tomita, N.; Tanji, H.; Fujiwara, H.; Seki, T., Fujii, M.; Arai, H.; Sasaki, H. (2005). A

- randomized, observer-blind, controlled trial of the traditional Chinese medicine Yi-Gan San for improvement of behavioral and psychological symptoms and activities of daily living in dementia patients. *J Clin Psychiatry*. Vol. 66, pp. 248-252. PMID: 15705012
- Iyengar MA, pharmacognosy of crude drug, Kasturba medical
- Jablensky, A.; Sartorius, N.; Hirschfeld, R.; Pardes, H. (1983). Diagnosis and classification of mental disorders and alcohol- and drug-related problems: a research agenda for the 1980s. *Psychological medicine*. Vol. 13, No. 4, pp. 907-921. PMID: 6665106
- Jain, N.N.; Ohal, C.C.; Shroff, S.K. (2006). *Clitorea ternatea* and the CNS. *Pharmacol Biochem Behav*. Vol. 75, pp. 529-536.
- Jaiswal, A.K., Bhattacharya, S.K., 1996. *Ind J Exp biol*, 34,118-123.
- Jauregui, X.; Clavo, Z. M.; Jovel, E. M.; Pardo-de-Santayana, M. (2011). Plants that teach and guide in the shamanic initiation process in the East-Central Peruvian Amazon. *Journal of Ethnopharmacology*. Vol. 134, No. 3, pp. 739-752. PMID: 21295130.
- Jawaheer, B.; Goburdhun, D.; Ruggoo, A. (2003). Effect of processing and storage of Guava into jam and juice on the Ascorbic acid content, *Plant Foods for Human Nutrition*. Vol. 58, pp. 1-12.
- Jimoh, F.O.; Adedapo, A.A.; Aliero, A.A.; Afolayan, A.J. (2008). Polyphenolic content and Biological activities of *Rumex ecklonianus*. *Pharmaceutical Biology*. Vol. 46, No. 5, pp. 333-340.
- Johansen, Donald A; "Plant micro technique", 1993,
- Johnson, N.; Davis, T.; Bosanquet, N. (2000). The epidemic of Alzheimer's disease; how can we manage the costs. *Pharmacol Econ*. Vol. 18, No. 215-223.
- Joseph, J.; Venkataraman, B.V.; Rani, M.A.; Andrade, C. (1994). BR-16A (Mentat) protects against ECS-induced anterograde amnesia. *Biol Psychiatry*. Vol. 36, No. 7, pp. 478-481. PMID: 7811845
- Joshi, S., 1998. Ayurveda and 'Panchkarma'. Motilal Banarasidas Publishers, Delhi, India.
- Joshi, S.S.; Srivastava, R.K.; Srivastava, D.K. (1981). Chemical examination of *Clitorea ternatea* seeds. *J Am Oil Chem Soc*. Vol. 58, pp. 714-715.

- Jullian, V.; Bourdy, G.; Georges, S.; Maurel, S.; Sauvain, M. (2006). Validation of use of a traditional antimalarial remedy from French Guiana, *Zanthoxylum rhoifolium* Lam *Journal of Ethnopharmacology*. Vol. 106, pp. 348–352.
- Juma, H.K.; Abdulrazak, S.A.; Muinga, R.W. (2006). Evaluation of Clitorea, Gliricidia and Mucuna as nitrogen supplements to Napier grass basal diet in relation to the performance of lactating Jersey cows. *Livestock Science*. Vol. 103, No. 1-2, pp. 23-29.
- K.M. Elizabeth Antimicrobial Activity of *Terminalia Bellerica* *Indian Journal of Clinical Biochemistry*, 2005, 20 (2) 150-153
- Kamanzi, A.K.; Kon'e, M.; Terreux, C. (2002). Evaluation of the antimicrobial potential of medicinal plants from the Ivory Coast. *Phytother Res*. Vol. 16, pp. 497–502
- Kapadia, N.S.; Acharya, N.S.; Acharya, S.A. (2006). Use of HPTLC to establish a distinct chemical profile for Shankhpushpi and for quantification of scopoletin in *Convulvulus pluricaulis* choisy and in commercial formulations of Shankhpushpi. *JPC - J Planar Chromatography - Modern TLC*. Vol. 19, No. 109, pp. 195-199.
- Kapadia, N.S.; Acharya, N.S.; Suhagia, B.N. (2005). A Pharmacognostical Study on *Convulvulus prostratus* Forssk. *J Nat Rem*. Vol. 5, No. 2, pp. 108 – 114.
- Kapoor, A.; Mahoor, R.; Viashampayan, N. (1981). Antifungal spectrum of some petal extracts. *Geobios*. Vol. 8, pp. 66–67.
- Karandikar, G.K.; Satakopan, S. (1959a). Shankhpushpi - {A} pharmacognostic study - {I}. *Evolvulus alsinoides* Linn. *Indian J Pharm*. Vol. 21, No. 7, pp. 200-203.
- Karandikar, G.K.; Satakopan, S. (1959b). Shankhpushpi - {A} pharmacognostic study - {II}. *Convulvulus microphyllus* Sieb. *Indian J Pharm*. Vol. 21, No. 7, pp. 204-207.
- Karandikar, G.K.; Satakopan, S. (1959c). Shankhpushpi - {A} pharmacognostical study - {III}. *Clitorea ternatea* Linn. *Indian J Pharm*. Vol. 21, No. 12, pp. 327-331.
- Karczmar, A. (1998). Invited review: anticholinesterases: dramatic aspects of their use and misuse. *Neurochem Int*. Vol. 32, No. 5-6, pp. 401–411. PMID: 9676738.

- Kulkarni, S.K.; Verma, A. (1992). Prevention of development of tolerance and dependence to opiate in mice by BR-16A (Mentat), a herbal psychotropic preparation. *Indian J Exp Biol.* Vol. 30, pp. 885-888.
- Kulkarni, S.K.; Verma, A. (1993). BR-16A (Mentat), a herbal preparation improves learning and memory performance in mice. *Indian Drugs.* Vol. 30, pp. 97-107.
- Kulkarni, S.K.; Verma, A. (1993). Protective effect of BR-16A (Mentat), a herbal preparation on alcohol abstinence-induced anxiety. *Indian J Exp Biol.* Vol. 31, pp. 435-439.
- Kulkarni, S.K.; Verma, A. (1995). Pharmacological profile of BR-16A (Mentat). *Probe.* Vol. 34, pp. 124-139.
- Kulshrestha, D. K.; Khare MP. (1997). Chemical investigation of the seeds of *Clitorea ternatea*. *Curr Sci.* Vol. 36, pp. 124-125.
- Kulshrestha, D.K.; Khare, M.P. (1968). Chemical study of *Clitorea ternatea* seeds. *Chemische Berichte.* Vol. 101, pp. 2096-2105.
- Kumar V, Mukherjee K, Kumar S. Validation of HPTLC method for the analysis of taraxerol in *Clitorea ternatea*. *Phytochemical Analysis*, 2008; 19: 244-250.
- Kumar, C.D. (2007). Pharmacognosy can help minimize accidental misuse of herbal medicine. *Curr Sci.* Vol. 93, pp.1356-1358.
- Kumar, V. (2006). Potential medicinal plants for CNS disorders: an overview. *Phytother Res.* Vol. 20, No. 12, pp. 1023-1035.
- Kumar, V.; Jaiswal, A.K.; Singh, P.N.; Bhattacharya, S.K. (2000). Anxiolytic activity of Indian *Hypericum perforatum* Linn: an experimental study, *Indian J Exp Biol.* Vol. 38, pp. 36-41.
- Kumar, V.; Singh, P.N.; Bhattacharya, S.K. (2003). Neuropsychopharmacological studies on Indian *Hypericum perforatum* Linn. In: *Medicinal and Aromatic Plants-Industrial Profile. Volume Genus Hypericum*, Ernst E. (Ed). First edition. Taylor & Francis, London and simultaneously published by Taylor & Francis Inc., New York, USA and Canada, 2003; 179-226.
- Kumar, V.; Singh, P.N.; Muruganandam, A.V; Bhattacharya, S.K. (2000). Effect of Indian *Hypericum perforatum* Linn on animal models of cognitive dysfunction. *J Ethnopharmacol.* Vol. 72, pp. 119-128.

- Kumaraswamy, M. V.; Satish, S. (2008). Antioxidant and Anti-Lipoxygenase Activity of *Thespesia lampas* Dalz & Gibs. *Advances in Biological Research*. Vol. 2, No. 3-4, pp. 56-59.
- Kumars, A.; Kulkarni, S.K. (2006). Protective Effect of BR-16A, a Polyherbal Preparation against Social Isolation Stress: Possible GABAergic Mechanism. *Phytother Res*. Vol. 20, pp. 538–541.
- Lamont, J. (1997). Homeopathic Treatment of Attention Deficit Hyperactivity Disorder. *British Homeopathic Journal*. Vol. 86, pp. 196-200.
<http://www.winsfoundation.org/a-lamont.html>
- Lang-Unnasch, N.; Murphy, A. (1998). Metabolic changes of the malaria parasite during the transition from the human to the mosquito host. *Ann rev microbiol*. Vol. 52, pp. 561-569.
- Lapornik B, Wondra AG, Proajek M. 2004. Comparison of TLC and spectrophotometric methods for evaluation of the antioxidant activity of grape and berry anthocyanins. *J Planar Chromatogr Mod TLC* 17: 207-212.
- Laprevote, O.; Roblot, F.; Hocquemiller, R.; Cave, A. (1988). Alkaloids of Annonaceae .Part 87.Azafluorenones of *Unonopsis spectabilis*. *Journal of Natural Products*. Vol. 51, pp. 555–561.
- Lau FC, Shukitt-Hale B, Joseph JA. 2005. The beneficial effects of fruit polyphenols on brain aging. *Neurobiol Aging* 26(suppl 1):128-132.
- Leboeuf, M.; Cave, A.; Bhaumik, P. K.; Mukherjee, B.; Mukherjee, R. (1982). The phytochemistry of the Annonaceae. *Phytochemistry*. Vol. 21, No. 12, pp. 2783-2813.
- Lee, K.Y.; Sung, S.H.; Kim, Y.C. (2003). New acetylcholinesterase- inhibitory pregnane glycosides of *Cynanchum atratum* roots. *Helvetica Chim Acta*. Vol. 86, pp. 474–483.
- Limlomwongse, L.; Chaithawong, C.; Tongyai, S. (1979). Effect of capsaicin on gastric acid secretion and mucosal blood flow in the rat. *J-Nutr*. Vol. 109, No. 5, pp. 773–777. PMID: 438895.
- Lin, C. C.; Ng, L.T.; Hsu, F.F.; Shieh, D.E., Chiang, L.C. (2004). Cytotoxic effects of *Coptis chinensis* and *Epimedium sagittatum* extracts and their major constituents (berberine, coptisine and icariin) on hepatoma and leukaemia cell growth. *Clin Exp Pharmacol Physiol*. Vol. 31, No. 1-2, pp. 65-69. PMID: 14756686.

- Liu, J. K.; Edamatsu, R.; Kabuto, H.; Mori, A. (1990). Antioxidant action of Guilingji in the brain of rats with FeCl₃-induced epilepsy. *Free Radic Biol Med.* Vol. 9, No. 5, pp. 451–454. PMID: 2292438.
- Loarca-Pina, G.; Kuzmicky, P.A.; de Mejia, E.G.; Kado, N.Y. (1998). Inhibitory effects of ellagic acid on the direct-acting mutagenicity of aflatoxin B1 in the Salmonella microsuspension assay, *Mutat Res.* Vol 26, No. 398(1-2), pp. 183-187.
- Lopes, A. V.; Vogel, S.; Machado, I.C. (2002). Secretory trichomes, a substitutive floral nectar source in *Lundia A. DC.* (Bignoniaceae), a genus lacking a functional disc. *Ann Bot.* Vol. 90, No. 2, pp. 169-174.
- Lopez, S.; Bastida, J.; Viladomat, F.; Codina, C. (2002). Acetylcholinesterase inhibitory activity of some Amaryllidaceae alkaloids and Narcissus extracts. *Life Sci.* Vol. 71, No. 21, pp. 2521–2529. PMID: 12270757.
- Lounasmaa, M. (1988). Tropane Alkaloids, in *The Alkaloids, Chemistry and Pharmacology* Arnold Brossi ed, Academic Press INC. Vol. 33, pp. 72-74.
- Macedo, M.L.R.; Xavier-Filho, J. (1992). Purification and partial characterization of trypsin inhibitors from seeds of *Clitoria ternatea*. *J Sci Food Agr.* Vol. 58, pp. 55–58.
- Madan, B.R. (1972). Phytochemical and pharmacological investigation of *Canscora decussata*—An Indian indigenous drug. *Indian J Physiol Pharmacol.* Vol. 16, No. 1, pp. 81-83.
- Madan, B.; Ghosh, B. (2002). *Canscora decussata* promotes adhesion of neutrophils to human umbilical vein endothelial cells. *J Ethnopharmacol.* Vol. 79, No. 2, pp. 229-235.
- Madan, B.; Mandal, B.C.; Kumar, S. (2003). *Canscora decussata* (Roxb.) Schult (Gentianaceae) inhibits LPS-induced expression of ICAM-1 and E-selectin on endothelial cells and carageenan-induced paw-edema in rats. *J Ethnopharmacol.* Vol. 89, pp. 211–216.
- Madan, B.R. (1960). Spermicidal Activity of *Canscora decussata* — An Indian Indigenous Drug. *Arch Int Pharmacodyn Ther.* Vol. 20, No. 1, pp. 88-94.
- Malabadi, R.B.; Nataraja, K. (2003). Alkaloid biosynthesis influenced by *Agrobacterium rhizogenes* mediated: Transformation and bioreactor in *Clitoria ternatea* (Linn.). *Plant Cell Biotechnol Mol Biol.* Vol. 4, pp. 169-178.

- Malbadi, R.B. (2002). Histological changes associated with Shoot regeneration in the leaf explants of *Clitorea ternatea* (Linn.) cultured in vitro. *J Phytological Res.* Vol. 15, pp.169-172.
- Malik, J.; Karan, M.; Vasisht, K. (2011). Nootropic, anxiolytic and CNS-depressant studies on different plant sources of *shankhpushpi*. *Pharmaceutical Biology*, Ahead of Print, pp. 1-9.
- Mamtani, R. (1995). Acupuncture for chronic pain management in the elderly. *Long-Term Care Forum* Vol. 5, No. 4, pp. 9-12.
<http://weill.cornell.edu/research/researcher/rmamtani/publications.html>
- Marco-Contelles, J.; do Carmo Carreiras, M.; Rodriguez, C.; Villaroya, M.; Garcia, A.G. (2006). Synthesis and pharmacology of galanthamine. *Chemistry Reviews*. Vol. 106, No. 1, pp. 116-133. PMID: 16402773.
- Marin, A.; Carias, D.; Cioccia, A.M.; Hevia, P. (2003). Nutritional value of *Musa paradisiaca* and *Clitorea ternatea* leaves as diluents for chicken rations. *Interciencia*. Vol. 28, pp. 51-56.
- Mason, J.W. (1975). A historical view of the stress field. *J Hum Stress*. Vol. 1, pp. 6-14.
- Massimo, F.M.; Yukio, K.; Rickey, Y. Y. (2004). Amaranth as a rich dietary source of β -sitosterol and other phytosterols *Plant Foods for Human Nutrition*. Vol. 58, pp. 207-211.
- Matsuda, H.; Yoshikawa, M.; Iinuma, M.; Kubo, M. (1998). Antinociceptive and antiinflammatory activities of limonin isolated from the fruits of *Evodia rutaecarpa* var. *bodinieri*. *Planta Med.* Vol. 64, No. 4, pp. 339-342. PMID: 9619117.
- Mazzucchelli C, Brambilla R. 2000. Ras-related and MAPK signalling in neuronal plasticity and memory formation. *Cell Mol Life Sci* **57**: 604-611.
- Mehta, C.R.; Shah, N.B. (1958). Chemical examination of *Evolvulus alsinoides*. *Science and Culture* (Calcutta). Vol. 24, pp. 180-181.
- Meyer, B.N.; Ferrigni, N.R.; Putnam, J.E.; Jacobsen, L.B.; Nichols, D.E.; McLaughlin, J.L. (1982). Brine shrimp: a convenient general bioassay for active plant constituents. *Planta Med.* Vol. 45, pp. 31-34.

- Mosmann T. Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays. *Journal of immunological methods*, 1983; 65 (1-2): 55–63.
- Mosmann, T. (1983). Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays. *Journal of immunological methods*. Vol. 65 (1-2), pp. 55–63.
- Mudgal, V. (1975). Studies on medicinal properties of *Convulvulus pluricaulis* and *Boerhaavia diffusa*. *Planta Med.* Vol. 28, No. 1, pp. 62-68.
- Mukherjee, P. K.; Kumar, V.; Mal, M.; Houghton, P. J. (2007). Acetylcholinesterase inhibitors from plants. *Phytomedicine*. Vol. 14, No. 4, pp. 289–300. PMID: 17346955.
- Mukherjee, P.K.; Kumar, V.; Kumar, N.S. (2008). The Ayurvedic medicine *Clitorea ternatea*— from traditional use to scientific Assessment. *J Ethnopharmacol.* Vol. 120, pp. 291–301.
- Mukherjee, P.K.; Kumar, V.; Mal, M. (2007). Acetyl cholinesterase inhibitors from plants. *Phytomedicine*. Vol. 14, pp. 289-300.
- Murlidharan, P.; Manoj, G. (2008). Effects of *Evolvulus alsinoids* root extracts on acute reserpine induced orofacial dyskinesia. *Indian J Pharmacol.* Vol. 40, No. 2, pp. 17.
- Nabavi, S.M.; Ebrahimzadeh, M.A.; Nabavi, S.F.; Hamidinia, A.; Bekhradnia, A.R. (2008). Determination of antioxidant activity, phenol and flavonoids content of *Parrotia persica* Mey. *Pharmacologyonline*. Vol. 2, pp. 560-567
- Nag, G.; De, B. (2008). Antioxidant and Acetylcholinesterase Inhibitory Properties of the Indian Medicinal Plant “Shankhapushpi” Used for Enhancing Memory Function. *J Comp Integ Med.* Vol. 5, No. 1, pp. 26.
- Nahata, A.; Dixit, V.K. (2008). Spectrofluorimetric Estimation of Scopoletin in *Evolvulus alsinoides* Linn. and *Convulvulus pluricaulis* Choisy. *Indian J Pharm Sci.* Vol. 70, No. 6, pp. 834-837.
- Nahata, A.; Patil, U. K.; Dixit, V.K. (2009a). Effect of *Evolvulus alsinoides* Linn. on learning behavior and memory enhancement activity in rodents. *Phytother Res.* Vol. 24, No. 4, pp. 486-493. PMID:19610035.

- Nishiyama, N.; Wang, Y.L.; Saito, H. (1995b). Beneficial effects of S-113m, a novel herbal prescription, on learning impairment model in mice. *Biol Pharm Bull.* Vol. 18, No.11, pp. 1498– 1503. PMID: 8593466.
- Nishiyama, N.; Yuan-Liang, W.; Kaimori, J.; Ishihara, A.; Saito, H. (1992). Biota (Po-Tzu-Jen), a traditional Chinese medicine, ameliorates the memory acquisition disorder induced by amygdala lesion in mice. *Phytother Res.* Vol. 6, pp. 289– 293. <http://cat.inist.fr/?aModele=afficheN&cpsidt=4465879>.
- Nishiyama, N.; Zhou, Y.; Saito, H. (1994a). Ameliorative effects of chronic treatment using DX-9386, a traditional Chinese prescription, on learning performance and lipid peroxide content in senescence accelerated mouse. *Biol Pharm Bull.* Vol. 17, No. 11, pp. 1481–1484. PMID: 7703968.
- Nishiyama, N.; Zhou, Y.; Saito, H. (1994b). Beneficial effects of DX-9386, a traditional Chinese prescription, on memory disorder produced by lesioning the amygdala in mice. *Biol Pharm Bull.* Vol. 17, No. 12, pp. 1679–1681. PMID: 7735219.
- Nishiyama, N.; Zhou, Y.; Takashina, K.; Saito, H. (1994c) Effects of DX-9386, a traditional Chinese preparation, on passive and active avoidance performances in mice. *Biol Pharm Bull.* Vol. 17, No. 11, pp.1472–1476. PMID: 7703966.
- Nordberg, A.; Sevensson, A.L. (1998). Cholinesterase inhibitors in the treatment of Alzheimer's disease, a comparison of tolerability and pharmacology. *Drug Safety.* Vol. 19, pp. 465-490.
- Norman, D. M.; Mason, J. R.; Clark, L. (1992). Capsaicin effects on consumption of food by Cedar Waxwings and House Finches. *The Wilson Journal of Ornithology.* Vol. 104, No. 549–551. <http://www.jstor.org/pss/4163197>.
- Okahara, K.; Ishida, Y.; Hayashi, Y.; Inoue, T.; Tsuruta, K.; Takeuchi, K.; Yoshimuta, H.; Kiue, K.; Ninomiya, Y.; Kawano, J.; Yoshida, K.; Noda, S.; Tomita, S.; Fujimoto, M.; Hosomi, J.; Mitsuyama, Y. (2010). Effects of Yokukansan on behavioral and psychological symptoms of dementia in regular treatment for Alzheimer's disease. *Prog Neuropsychopharmacol Biol Psychiatry.* Vol. 34, No. 3, pp. 532-536. PMID: 20170698.

- Oktay M, Gülçin, Küfrevio, Determination of in vitro antioxidant activity of fennel (*Foeniculum vulgare*) seed extracts, *Lebensm Wissen Technol*, 2003;36: 263-271.
- Oniga, I.; Oprean, R.; Toiu, A.; Benedec, D. (2010). Chemical composition of the essential oil of *Salvia officinalis* L. from Romania. *Rev Med Chir Soc Med Nat Iasi*. Vol. 114, No. 2, pp. 593-595. PMID: 20701010.
- Orhan, I.; Sener, B.; Choudhary, M.I.; Khalid, A. (2004). Acetylcholinesterase and butyrylcholinesterase inhibitory activity of some Turkish medicinal plants. *J Ethnopharmacol*. Vol. 91, No. 1, pp. 57–60. PMID: 15036468.
- Osborn, R.W.; DeSamblanx. G.W.; Thevissen, K. (1995). Isolation and characterization of plant defensins from seeds of Asteraceae, Fabaceae, Hippocastanaceae and Saxifragaceae. *FEBS Letters*. Vol. 368, pp. 257–262.
- Padashetty, S.A.; Mishra, S.H. (2008). Phytochemical and pharmacognostical parameters for standardization of *Tricholepis glaberrima* - a medicinal herb. *J Med Aromatic Pl Sci*. Vol. 30, No. 4, pp. 381-388.
- Palpu, P.; Rawat, A. K. S.; Rao, C. V.; Srivastava, S. K.; Govindarajan. R. (2008). Health promoting functional foods fortified with herbs. Council of Scientific and Industrial Research. US Patent No: US 7,399,491 B2, July 15 2008.
- Panda, S.; Kar, A. (2001). Inhibition of T3 production in levothyroxine-treated female mice by the root extract of *Convolvulus pluricaulis*. *Horm Metab Res*. Vol. 33, No. 1, pp. 16-18.
- Pandit, R.K.; Prasad, G.C. (1992). Role of thyrocap in the treatment of simple diffuse goitre: a case report. *JREIM*. Vol. 11, No. 3, pp. 21-24.
- Panossian, A.; Wikman, G. (2008). Pharmacology of *Schisandra chinensis* Bail. An overview of Russian research and uses in medicine. *Journal of Ethnopharmacology*. Vol. 118, No. 2, pp. 183–212. PMID: 18515024.
- Parimaladevi, B.; Boominathan, R.; Mandal, S.C. (2003). Anti-inflammatory, analgesic and antipyretic properties of *Clitorea ternatea* root. *Fitoterapia*. Vol. 74, pp. 345–349.
- Parimaladevi, B.; Boominathan, R.; Mandal, S.C. (2004). Evaluation of antipyretic potential of *Clitorea ternatea* L. extract in rats. *Phytomedicine*. Vol. 11, pp. 323–326.

- Patil, U.K.; Dixit, V.K. (2005). Densitometric standardization of Herbal Medical Products containing *Evolvulus alsinoides* by quantification of a marker compound. *J Planar Chromatography*. Vol. 18, pp. 234-239.
- Patwardhan, B.; Warude, N.; Pushpangadan, P. (2005). Ayurveda and traditional Chinese medicine: A comparative overview. *Evid Based Complement Altern Med*. Vol. 2, pp. 465-473.
- Pawar, S.A.; Dhuley, J.N.; Naik, S.R. (2001). Neuropharmacology of an extract derived from *Convolvulus microphyllus*. *Pharmaceut Biol*. Vol. 39, No. 4, pp. 253-258.
- Pellow, S.; Chopin, P.; File, S.E.; Briley, M. (1985). Validation of open-closed arm entries in an elevated plus-maze as a measure of anxiety in the rat. *J Neurosci Meth*. Vol. 14, pp.149-167.
- Pendyala, V.; Rao, C.B.; Chandrasekhar, K.B. (2010). Studies on some physicochemical properties of *Leucaena leucocephala* bark gum. *J Adv Pharm Tech Res*. Vol. 1, No. 2, pp. 253-259.
- Penza, M. C.; Montani, M. (2007). MAK-4 and -5 supplemented diets inhibit liver carcinogenesis in mice. *BMC Complement Altern Med*. Vol. 7, pp. 19.
- Perez, J.; Holmes, J. F. (2005). Altered Mental Status and Ataxia Secondary to Acute Kava Ingestion. *The Journal of Emergency Medicine*. Vol. 28, No. 1, pp. 49–51. PMID: 15657005.
- Piala, J.J.; Madissoo, H.; Rubin. B. (1962). Diuretic activity of roots of *Clitorea ternatea* L. in dogs. *Experientia*. Vol. 18, pp. 89.
- Pilaniya, K.; Chandrawanshi, H.K.; Pilaniya, U.; Manchandani, P.; Jain, P.; Singh, N. (2010). Recent trends in the impurity profile of pharmaceuticals. *J Adv Pharm Tech Res*. Vol. 1, No. 3, pp. 302-310.
- Pinheiro, R. M.; Mac-Quhae, M. M. M.; Bettolo, G. B. M.; Monache, F. D. (1984). Prenylated anthranoids from *Vismia* species. *Phytochemistry*, Vol. 23, No. 8, pp. 1737-1740.
- Popik, P.; Layer, R.T.; Skolnick, P. (1995). 100 years of Ibogaine: neurochemicals and pharmacological actions of a putative anti-addictive drug. *Pharmacol Rev*. Vol. 47, No. 2, pp. 235–253. PMID: 7568327.

- Prasad, G.C.; Gupta, R.C.; Srivastava, D.N. (1974). Effect of shankpushpi on experimental stress. *J Res Indian Med.* Vol. 9, No. 2, pp. 19-27.
- Prieto P, Pineda M, Aguilar M, Spectrophotometric quantitation of antioxidant capacity through the formation of a phosphomolybdenum complex: specific application to the determination of vitamin E, *Analytical Biochemistry*, 1999;269: 337–341.
- Prieto, P.; Pineda, M.; Aguilar, M. (1999). Spectrophotometric quantitation of Antioxidant Capacity through the Formation of a Phosphomolybdenum Complex: Specific Application to the Determination of Vitamin E. *Analytical Biochemistry*. Vol. 269, pp. 337–341.
- Purohit, M.G.; Shanthaveerappa, G.K.; Badami, S. (1995). Antimicrobial activity of various extracts of *Evolvulus alsinoides* (Convolvulaceae). *Indian J Microbiology*. Vol. 35, pp. 77–78.
- Purohit, M.G.; Shanthaveerappa, G.K.; Badami, S. (1996). Antiulcer and antiscatogenic activity of alcoholic extract of *Evolvulus alsinoides* (Convolvulaceae). *Indian J Pharm Sci.* Vol. 58, pp. 110–112.
- Qi, H.Y.; Wang, R.; Liu, Y.; Shi, Y.P. (2011). Studies on the chemical constituents of *Codonopsis pilosula*. *Zhong Yao Cai*. Vol. 34, No. 4, pp. 546-548. PMID: 21809539.
- Rackova, L.; Oblozinsky, M.; Kostalova, D.; Kettmann, V.; Bezakova, L. (2007). Free radical scavenging activity and lipoxygenase inhibition of *Mahonia aquifolium* extract and isoquinoline alkaloids. *Journal of Inflammation*. Vol. 4, pp. 15.
- Rahman, A.U.; Choudhary, M.I. (2001). Bioactive natural products as a potential source of new pharmacophores a theory of memory. *Pure Appl Chem*. Vol. 73, pp. 555–560. www.iupac.org/publications/pac/73/3/0555/pdf/.
- Rai, K.S. Murthy, K.D.; Rao. M.S. (2005). Altered dendritic arborization of amygdala neurons in young adult rats orally incubated with *Clitorea ternatea* aqueous root extract. *Phytother Res*. Vol. 19, pp. 592–598.
- Rai, K.S.; Murthy, K.D.; Karanth, K.S. (2001). *Clitorea ternatea* Linn. root extract treatment during growth spurt period enhances learning and memory in rats. *Indian J Physiol Pharmacol*. Vol. 45, pp. 305–313.

- Rai, K.S.; Murthy, K.D.; Karanth, K.S. (2002). *Clitorea ternatea* root extract enhances acetylcholine content in rat hippocampus. *Fitoterapia*. Vol. 73, pp. 685–689.
- Rai, K.S.; Murthy, K.D.; Rao, M.S. (2000). *Clitorea ternatea* (Linn) root extract treatment in rats during growth spurt period affects dendritic morphology of hippocampal CA3 neurons. In: Third Congress. Federation of Indian Physiological Societies (FIPS), Calcutta (Abstract no. 45), Calcutta, India, 2000, p. 45.
- Rai, K.S.; Rao, M.S.; Karanth, K.S. (2000). *Clitorea ternatea* enhances learning and memory -an experimental study on rats. International Congress on Frontiers in Pharmacology and Therapeutics in 21st Century, vol. 32, New Delhi, India, Abstracts. *Indian J Pharmacol*. 2000, 150.
- Raja, M. K. M. M.; Sethiya, N. K.; Mishra. S. H. (2010). A comprehensive review on *Nymphaea stellata*: A traditionally used bitter. *J Adv Pharm Tech Res*. Vol. 1, pp. 311-319. DOI: 10.4103/0110-5558.76437
- Rajagopalan, N. (1964). Free amino acids and amides in legume root nodules. *Curr Sci*. Vol. 33, pp. 454–456.
- Rajagopalan, V. (1995). Seminar on research in Ayurveda and Siddha, CCRAS, New Delhi, Mar. 1995, Nov 20-22, 34.
- Rajaqkaruna, N.; Harris, C.S.; Towers, G.H.N. (2002). Antimicrobial activity of plants collected from Serpentine outcrops in Sri Lanka. *Pharm Biol*. Vol. 40, pp. 235-244.
- Rakhit, S.; Basu, N.K. (1958). Investigation on *Convulvulus pluricaulis*. Choisy. *Indian J Pharm*. Vol. 20, pp. 357-359.
- Ramteke, S. (1995). BR-16A (Mentat) attenuates anterograde amnesia induced by electroconvulsive shocks in slow learning rats. *Indian J Pharmacol*. Vol. 27, pp.186.
- Ranaganayaki, S.; Singh, A.K. (1979). Isolation and identification of pigments of the flowers of *Clitorea ternatea*. *J Indian Chem Soc*. Vol. 56, pp. 1037–1038.
- Ratnasooriya, W.D.; Hewageegana, H.G.S.P.; Jayakody. J.R.A.C. (2005). Gastro protective activity of *Evolvulus alsinoides* L. powder. *Aust J Med Herbalism*. Vol. 17, pp. 55-60.

- Roddick, J.G. (1989). The acetylcholinesterase inhibitory activity of steroidal glycoalkaloids and their aglycones. *Phytochemistry*. Vol. 28, pp. 2631–2634. doi:10.1016/S0031-9422(00)98055-5
- Ross, B.D. (1991). Biochemical considerations in ¹H spectroscopy. Glutamate and glutamine; myo-inositol and related metabolites. *NMR Biomed*. Vol. 4, No. 2, pp. 59–63. PMID: 1677586
- Roy, M.; Basu, P.S. (1992). Contents of hormones and indole acetic acid metabolism in root nodules of *Clitorea ternatea* L. *Indian J Exp Biol*. Vol. 30, pp. 835–838.
- Royer, R.; Deck, L.; Campos, N.; Hunsaker, L.; Vander Jagt, D. (1986). Biologically Active Derivatives of Gossypol: Synthesis and Antimalarial Activities of Peri-Acylated Gossylic Nitriles. *J Med Chem*. Vol. 29, pp. 1799–1801.
- Sa'ad, F. (1967). The *Convulvulus* species of the Canary Islands, the Mediterranean Region and the near and Middle East. Mededeelingen van het Botanisch Museum en Herbarium van de Rijks Universiteit te Utrecht. Vol. 1, pp. 281–288.
- Sadler, J. Z. (March 2008). Classification of Mental Disorders: *A Philosophical Case Conference PPP*. Vol. 15, No. 1, pp. 1–17. <http://www.b4uact.org/ref/Sadler-200803.pdf>
- Sairam, K.; Rao, C.V.; Goel, R.K. (2001). Effect of *Convulvulus pluricaulis* Choï on gastric ulceration and secretion in rats. *Indian J Exp Biol*. Vol. 39, No. 4, pp. 350–354.
- Saito, N.; Abe, K.; Honda, T. (1985). Acylated delphinidin glucosides and flavonols from *Clitorea ternatea*. *Phytochemistry*. Vol. 24, pp. 1583–1586.
- Sandhya, B.; Thomas, S.; Isabel, W.R. (2006). Ethanomedicinal plants used by the Valaiyan community of Piranmalai hills (Reserved forest), Tamilnadu, India-A pilot study. *Afr J Trad CAM*. Vol. 3, pp. 101–114.
- Sarris, J.; Kavanagh, D. J.; Byrne, G. (2010). Adjuvant use of nutritional and herbal medicines with antidepressants, mood stabilizers and benzodiazepines. *Journal of Psychiatric Research*. Vol. 44, No. 1, pp. 32–41 PMID: 19616220.

- Sarris, J.; Panossian, A.; Schweitzer, I.; Stough, C.; Scholey, A. (2011). Herbal medicine for depression, anxiety and insomnia: A review of psychopharmacology and clinical evidence *European Neuropsychopharmacology*. [Epub ahead of print]. PMID: 21601431
- Sartorius, N. (1976). Classification: an international perspective. *Psychiatric annals*. Vol. 6, pp. 22-35.
- Sartorius, N. (2006). The Meanings of Health and its Promotion. *Croat Med J*. Vol. 47, No. 4, pp. 662–664. PMCID: PMC2080455.
- Schulte, R. E. (1993). Plants in treating senile dementia in the northwest Amazon. *Journal of Ethnopharmacology*. Vol. 38, No. 2-3, pp. 129- 135. PMID: 8510460.
- Schultes, R.E.; Hofmann, A. (1979). *Plants of the gods: origins of hallucinogenic use*. Lucerne: EMB—Service for Publishers.
- Schultes, R.E.; Raffauf, R.F. (1990). *The Heabng Forest. Medicinal and Toxic Plants of the Northwest Amazonia*. Dioscorides Press, Portland.
- Sethiya N. K.; Patel, M. B.; Mishra, S.H. (2010a). Phyto-pharmacological Aspects of *Canscora decussata* Roem & Schult., *Phcog Rev*. Vol. 4, No. 7. pp. 49-57. DOI: 10.4103/0973-7847.65326
- Sethiya, N. K.; Mishra, S. H. (2010a). Review on ethnomedicinal uses and phyto-pharmacology of memory boosting herb *Convolvulus pluricaulis* Choisy. *Aus Jour of Med Herb*. Vol. 22, No. 1, pp. 19-25.
- Sethiya, N. K.; Mishra, S. H. (4th April 2010b). Controversial drugs of Ayurveda. Pharmavision-2020, Bhopal, By Veer Society. pp. 2-3.
- Sethiya, N. K.; Nahata, A.; Dixit. V.K. (2008). Simultaneous spectrofluorimetric determination of scopoletin and mangiferin in a methanolic extract of *Canscora decussata* Schult. *Asian Journal of Traditional Medicines*. Vol. 3, No. 6, pp. 224-229. [www.asianjtm.com/qikan/manage/wenzhang/AJTM2008,3\(6\)-3.pdf](http://www.asianjtm.com/qikan/manage/wenzhang/AJTM2008,3(6)-3.pdf)
- Sethiya, N. K.; Nahata, A.; Dixit. V.K. (2009a). Comparative thin layer chromatographic investigations on commercial sources of Shankhpushpi in India. *Pharmacognosy Journal*. Vol. 1, No. 3, pp. 224-226.

- Sethiya, N. K.; Nahata, A.; Dixit, V.K. (2010b). Anxiolytic activity of *Canscora decussata* in albino rats. *Jour Compl Integr Med*. Vol. 7, No. 1, Article No. 19. <http://www.bepress.com/jcim/vol7/iss1/19/>
- Sethiya, N. K.; Nahata, A.; Dixit, V.K.; Mishra, S. H. (2009b). Shankpushpi: Cognition boosting ayurvedic medicine- An update. *Journal of Chinese Integrative Medicine/ Zhong Xi Yi Jie He Xue Bao*. Vol. 7, No. 11, pp. 1001-1022. PMID: 19912732.
- Sethiya, N. K.; Thakore, S. G.; Mishra, S. H. (2009c). Comparative evaluation on commercial sources of indigenous medicine shankpushpi for anti-stress potential- A preliminary study. *Pharmacologyonline*. Vol. 2, pp. 460-467.
- Sethiya, N. K.; Trivedi, A.; Patel, M. B.; Mishra, S. H. (2010c). Comparative pharmacognostical investigation on four ethanobotanicals traditionally used as Shankpushpi in India. *J Adv Pharm Tech Res*. Vol. 1, No. 4, pp.388-395. DOI: 10.4103/0110-5558.76437
- Shah, J. S.; Goyal, R. K. (Jul-Sep 2010). Usage trends for memory and vitality-enhancing medicines: A pharmacoepidemiological study involving pharmacists of the Gujarat region. *Int J Ayurveda Res*. Vol. 1, No. 3, pp. 138-143. PMCID: PMC2996570
- Shah, J. S.; Goyal, R.K. (2011). Investigation of neuropsychopharmacological effects of a polyherbal formulation on the learning and memory process in rats. *J Young Pharmacists*. Vol. 3, No. 2, pp. 119-124. PMID: 21731356
- Shah, S.C.; Quadry, S.J. (1990). A textbook of Pharmacognosy. 1989-1990, 7th edition, 388-389.
- Shah, V.; Bole, P.V. (1961). Botanical identity of Shankpushpi. *Indian J Pharm*. Vol. 23, No. 8, pp. 223-224.
- Shah, V.; Bole, P.V. (1961). Botanical identity of Shankpushpi. *Indian J Pharm*. Vol. 23, No. 8, pp. 223-224.
- Shah, V.C.; Bole, P.V. (1960). Further pharmacognostic studies on the drug 'Shankpushpi'. *Journal of the University of Bombay*. Vol. 29, pp. 154-165.
- Shah, Y.; Tangalas, E.G.; Petersseen, R.C. (1927). Mild cognitive impairments. When is it a precursor to Alzheimer disease?. *Geriatrics*. Vol. 55, No. 99, pp. 62-65.

- Shankarnarayan, D.; Gopalkrishnan, C.; Kameswaran, L. (1979). Effect of mangostin, 3, 6-di-O-glucoside and mangiferin in CCl₄, liver injury in rats. *Mediscope*. Vol. 22, No. 3, pp. 65-68.
- Sharan, V.; Khare, M. (1991). A clinical trial of Mentat in children with behavioral problem. *Probe*. Vol. 31, No. 1, pp. 12-22.
- Sharma, A.K.; Majumdar, M. (1990). Some observations on the effect of *Clitorea ternatea* Linn. on changes in serum sugar level and small intestinal mucosal carbohydrase activities in alloxan diabetes. *Calcutta Medical Journal*. Vol. 87, pp. 168-171.
- Sharma, K.P.; Kushwaha, H.K.; Sharma, S.S. (1993). A placebo-controlled trial on the efficacy of mentat in managing depressive disorders. *Probe*. Vol. 33, No. 1, pp. 26-31.
- Sharma, P. (1983). Chikithsasthana. In: Charaka Samhita. Chaukhamba Orientalia, Varanasi.
- Sharma, V.N.; Barar, F.S.; Khanna, N.K. (1965). Some pharmacological actions of *Convulvulus pluricaulis* chois: an Indian indigenous herb. II. *Indian J Med Res*. Vol. 53, No. 9, pp. 871-876.
- Shibusawa, T.; Padgett, D. (2009). The experiences of "aging" among formerly homeless adults with chronic mental illness: A qualitative study. *Journal of Aging Studies*. Vol. 23, pp. 188-196. doi:10.1016/j.jaging.2007.12.019
- Shukla, S.P. (1980). A comparative study on the barbiturate hypnosis potentiation effect of medhya rasayana drugs-shankhapushpi (*Convulvulus pluricaulis*). *Bulletin of Medico Ethno Botanical Research*. Vol. 1, No. 4, pp. 554-560.
- Shukla, S.P. (1981). Anti-anxiety agents of plant origin. *Probe*. Vol. 30, No. 3, pp. 201-208.
- Sigleton V L, Rossi Jr. J A., American J.Enol. Viticult. 1965;16(3) : 144-158
- Simmonds, M. S. J.; Blaney, W. M.; DelleMonache, F.; Mac-Quhae, M. M.; Bettolo, G. B. M. (1985). Insect antifeedant properties of anthranoids from the genus *Vismia*. *Journal of Chemical Ecology*. Vol.11, No. 12, pp. 1593-1599. DOI: 10.1007/BF01012114
- Singh, A. (2008). Contribution of dravyaguna to herbal materia medica. *Ethnobotanical Leaflets*. Vol. 12, pp. 599-602.

- Singh, A. (2008). Review of Ethanomedicinal Uses and Pharmacology of *Evolvulus alsinoides* Linn. *Ethnobotanical Leaflets*. Vol. 12, pp. 734-740.
- Singh, G.K.; Bhandari, A. (2000). Text book of Pharmacognosy, 1st ed., New Delhi: CBS Publishers, 2000, 1st edition, 193–194.
- Singh, H.B.; Viswanathan, M.V. (2000). Need for authentication of market samples of crude drug Shankhpushpi *Convolvulus microphyllus*. *J Med Arom Plant Sci*. Vol. 22-23, No. 4a-1A, pp. 612-618.
- Singh, K.K.; Prakash, A. (1994). National Seminar on the use of Traditional Medicinal Plants in Skin Care, CIMAP, Lucknow. 1994, Nov. 25-26: 30.
- Singh, R.H.; Mehta, A.K. (1977). Studies on the psychotropic effect of the Medhya Rasayana drug 'Shankhpushpi' (*Convolvulus pluricaulis*) Part 1 (Clinical Studies). *J Res Indian Med Yoga Homeopathy*. Vol. 12, No. 3; pp. 18.
- Sinha, A. (1960a). Mucilage from the leaves of *Clitorea ternatea*. *Proceedings of the Institution of Chemists, India*. Vol. 32, pp. 228–231.
- Sinha, A. (1960b). β -Sitosterol from the seeds of *Clitorea ternatea*. *Curr Sci*. Vol. 29, pp.180–181.
- Sinha, P.A.; Kumar, S.P.; Wahi, A. (1986). Comparative pharmacognostic study on Shankhpushpi - *Canscora decussata* Schult, *Convolvulus pluricaulis* Chios and *Evolvulus alsinoides* Linn. *Bulletin of Medical Ethanobotanical Research*. Vol. 10, No. 1, pp. 62-73.
- Sinha, S.N.; Dixit, V.P.; Madnawat, A.V.S. (1989). The possible potentiation of cognitive processing on administration of *Convolvulus microphyllus* in rats. *Indian Medicine*. Vol. 1, No. 3, pp. 1-6.
- Siripurapu, K.B.; Gupta, P.; Bhatia, G. (2005). Adaptogenic and anti-amnesiac properties of *Evolvulus alsinoides* in rodents. *Pharmacol Biochem Behav*. Vol. 81, pp. 424–432.
- Smith, B. J.; Tang, K. C.; Nutbeam, D. (September 2006). WHO Health Promotion Glossary: new terms. *Health Promot Int*. Vol. 21, No. 4, (December 2006), pp. 340-345.
- Soeda, S.; Ochiai, T.; Paopong, L.; Tanaka, H.; Shoyama, Y.; Shimeno, H. (2001). Crocin suppresses tumor necrosis factor- α -induced cell death of neuronally differentiated PC-12 cells. *Life Sci*. Vol. 69, No. 24, pp. 2881–2898. PMID: 11720092.

- Takeuchi, K.; Niidia, H.; Matsumoto, J.; Ueshima, K.; Okabe, S. (1991). Gastric motility in capsaicin-induced cyto protection in the rat stomach. *Jpn J Pharmacol.* Vol. 55, No. 1, pp. 147–155. PMID: 1710299.
- Tang, X.C.; Kindel, G.H.; Kozikowski, A.P.; Hanin, I. (1994). Comparison of the effects of natural and synthetic huperzine-A on rat brain cholinergic function in vitro and in vivo. *J Ethnopharmacol.* Vol. 44, No. 3, pp. 147–155. PMID: 7898122.
- Tappel AL, Boyer PD, Lundberg WO, The Reaction Mechanism of Soy Bean Lipoxidase. *J. Biol. Chem.*, 1952;199: 267-81.
- Taranalli, A.D.; Cheeramkuczhi, T.C. (2000). Influence of *Clitorea ternatea* on memory and central cholinergic activity in rats. *Pharmaceut Biol.* Vol. 38, pp. 51–56.
- Taylor, G.; Hawley, H.; (2006). Health promotion and the freedom of the individual. *Health Care Anal.* Vol. 14, No.1, pp. 15-24. PMID: 17137016.
- Terahara, N.; Oda, M.; Matsui, T. (1996). Five new anthocyanins, ternatins A3, B4, B3, B2, and D2, from *Clitorea ternatea* flowers. *J Nat Prod.* Vol. 59, pp. 139–144.
- Terahara, N.; Saito, N.; Honda, H. (1989). Structures of *Clitorea ternatea* pigments. *Tennen Yuki Kagobutsu Toronkai Koen Yoshishu.* Vol. 31, pp. 324–331.
- Terahara, N.; Saito, N.; Honda, T. (1989). Structure of ternatin D1, an acylated anthocyanin from *Clitorea ternatea* flowers. *Tetrahedron Letters.* Vol. 30, pp. 5305–5308.
- Terahara, N.; Saito, N.; Honda, T. (1990). Acylated anthocyanins of *Clitorea ternatea* flowers and their acyl moieties. *Phytochemistry.* Vol. 29, pp. 949–953.
- Terahara, N.; Saito, N.; Honda, T. (1990). Further structural elucidation of the anthocyanin, deacyl ternatin, from *Clitorea ternatea*. *Phytochemistry.* Vol. 29, pp. 3686–3687.
- Terahara, N.; Saito, N.; Honda, T. (1990). Structure of ternatin A1, the largest ternatin in the major blue anthocyanins from *Clitorea ternatea* flower. *Tetrahedron Letters.* Vol. 31, pp. 2921–2924.
- Terahara, N.; Saito, N.; Honda, T. (1990). Structure of ternatin A2, one of *Clitorea ternatea* flower anthocyanins having unsymmetrical side chains. *Heterocycles.* Vol. 31, pp. 1773–1776.

- Tu, Y. Q.; Wu, T. Y.; Li, Z.; Zhen, T.; Chen, Y. Z. (1991). Sesquiterpene Polyol Esters from *Celastrus paniculatus*. *J Nat Prod*. Vol. 54, No. 5, pp 1383–1386.
- Tully, T.; Bourtchouladze, R.; Scott, R. (2003). Targeting the CREB pathway for memory enhancers, Helicon Therapeutics, Inc., *Nat Rev Drug Discov*. Vol. 2, No. 4, pp. 267-277.
- Tulving, E.; Markowitsch, H.J. (1998). Episodic and declarative memory: role of the hippocampus. *Hippocampus*. Vol. 8, No. 3, pp. 198–204. PMID: 9662134.
- Tyagi, S.D.; Singh, N.; Joneja, S. (1990). Crude powder of *Canscora decussata* Roem et Sch: as spermicidal agent in albino rats. *Acta Botanica Indica*. Vol. 18, No. 1, pp. 139-140.
- Uduphille. M. (1993). The effect of capsaicin on the small intestine absorption of glucose and alanine in the rat. *Indian J Physiol Pharmacol*. Vol. 37, No. 1, pp. 59–62. PMID: 8449547.
- Unnikrishnan, E. (2004). Materia medica of the local health traditions of Payyannur, Discussion Paper No. 80. Kerala Research Programme on Local Level Development, Center for Development Studies, Thiruvananthapuram, India, 2004.
- Upadhya, A.S.; Kambhojkar, M.S. (1993). Studies on Ayurvedic Drug Shankhpushpi from Western Maharastra Medicobotanical reported aspects. In: *Bulletin of Medico Ethanobotanical Research*. Vol. 14, No. 1-2, pp. 64-69.
- Upadhyay, V.P. (1986). Therapeutic role of Ayurvedic herb in mental disorders. *Vedic Path*. Vol. 69, No. 1, pp. 24-29.
- Upadhye, A.S.; Vartak, V.D.; Kumbhojkar, M.S. (1994). Ethno-medico-botanical studies in Western Maharashtra, India. *Ethnobotany*. Vol. 6, No. 1&2, pp. 25-31.
- Urbain, A.; Marston, A.; Queiroz, E.F.; Ndjoko, K.; Hostettmann, K. (2004). Xanthones from *Gentiana campestris* as new acetylcholinesterase inhibitors. *Planta Med*. Vol. 70, No. 10, pp. 1011–1014. PMID: 15490334.
- Vaidya, B.L. (1982). Some controversial drugs in Indian medicine. Chaukhamba Orientalia. Varanasi: 1982.

- Van Valkenburg, J.L.C.H.; Bunyapraphatsara, N. (2001). Plant Resources in South-East Asia. No. 12(2). Medicinal and Poisonous Plants 2. Prosea Foundation, Leiden, The Netherlands, 2001.
- Varadan, K.S.S.; Vaidyanathan, T.S.; Rama Rao, M.V. (1958). Phytochemistry of *Evolvulus alsinoides* Linn. *Indian J Pharmacol*. Vol. 20, pp. 100–105.
- Vasudevan M, Parle M. Antiamnesic potential of *Murraya koenigii* leaves. *Phytother Res* 2009;23(3):308–16.
- Vasudevan M, Parle M. Memory enhancing activity of Anwala churna (*Embllica officinalis* Gaertn.): an Ayurvedic preparation. *Physiol Behav* 2007;91(1):46–54.
- Vedpriya Arya, Sanjay Yadav, Sandeep Kumar, JP Yadav* Antimicrobial Activity of *Cassia occidentalis* L (Leaf) against various Human Pathogenic Microbes Life Sciences and Medicine Research, Volume 2010 (1-11)
- Verma, A.; Kulkarni, S.K. (1991). Effect of a herbal psychotropic preparation, BR-16A (Mentat), on performance of mice on elevated plus maze. *Indian J Exp Biol*. Vol. 29, pp. 1120-1123.
- Vermani, M.; Milosevic, I.; Smith, F.; Katzman, M. A. (2005). Herbs for mental illness: effectiveness and interaction with conventional medicines. *The Journal of Family Practices*. Vol. 54, No. 9, pp. 789-800. PMID: 16144593.
- Vianni, R.; Souto, S.M. (1971). Oil content and fatty acid composition of *Clitorea ternatea* seeds. *Arquivos da Universidade Federal Rural do Rio de Janeiro*. Vol. 1, pp. 47–50.
- Vinekar, A.S.; Andrade, C.; Sriprada, V.T.; George, J.; Joseph, T.; Chandra, J.S. (1998) Attenuation of ECS-induced retrograde amnesia by using a herbal formulation. *J ECT*. Vol.14, No. 2, pp. 83-88. PMID: 9641803
- Vinutha, B.; Prashanth, D.; Salma, K.; Sreeja, S.L.; Pratiti, D.; Padmaja, R.; Radhika, S.; Amita, A.; Venkateshwarlu, K.; Deepak, M. (2007). Screening of selected Indian medicinal plants for acetylcholinesterase inhibitory activity. *Journal of Ethnopharmacology*. Vol. 109, pp. 359–363.
- Wada, T.; Nakajima, R.; Kurihara, E.; Narumi, S.; Masuoka, Y.; Goto, G.; Saji, Y.; Fukuda, N. (1989). *Jap J Pharmacol*. Vol. 49, No. 33, pp. 337-349.

- Yang, Y. B.; Yang, X.; Xu, Y.; Tai, Z.; Ding, Z. (2008). A New Flavone Glycoside from *Huperzia serrata*. *Chinese Journal of Natural Medicines*. Vol. 6, No. 6, pp. 408-410. doi:10.1016/S1875-5364(09)60035-2.
- Yang, Y.; Yang, X.; Xu, Y.; Tai, Z.; Dong, L.; Ding, Z. (2009). Two diterpenoids from herbs of *Huperzia serrata*. *Zhongguo Zhong Yao Za Zhi*. Vol. 34, No. 8, pp. 987-989. PMID: 19639782.
- Yogeeswari, P.; Sriram, D. (2005). Betulinic Acid and Its Derivatives: A Review on their Biological Properties. *Current Medicinal Chemistry*. Vol. 12, pp. 657-666.
- Yuan, S. Q.; Zhao, Y. M. (2003). A novel phlegmariurine type alkaloid from *Huperzia serrata* (Thunb.) Trev]. *Yao Xue Xue Bao*. Vol. 38, No. 8, pp. 596-598. PMID: 14628450.
- Zafar, R.; Ahmad, S.; Mujeeb, M. (2005). Estimation of Scopoletin in leaf and leaf callus of *Convolvulus microphyllus* Sieb. *Indian J Pharm Sci*. Vol. 67, pp. 600-603.
- Zbinden, G. (1963), *In Advances in Pharmacology*, eds. Garattini, S and Shore, P. A., vol 2. Academic Press, New York and London.
- Zelger, J. L.; Carlini, E.A. (1980). Anorexigenic effects of two amines obtained from *Catha edulis* Forsk (khat) in rats. *Pharmacol Biochem Behav*. Vol. 12, No. 5, pp. 701-705. PMID: 7393964.
- Zenga, H.; Doua, S.; Zhaoa, J.; Fana, S.; Yuana, X.; Zhua, S.; Li, L.; Zhanga, W.; Liua, R. (2011). The inhibitory activities of the components of Huang-Lian-Jie-Du-Tang (HLJDT) on eicosanoid generation via lipoxygenase pathway. *Journal of Ethnopharmacology* Vol. 135, pp. 561-568
- Zhang, X.; Kuang, P.; Wu, W.; Yin, X.; Kanazawa, T.; Onodera, K.; Metoki H, Oike Y. (1994a). The effect of Radix Salviae Miltiorrhizae composita on peroxidation of low density lipoprotein due to copper dichloride. *J Tradit Chin Med*. Vol. 14, No. 4, pp. 195-201. PMID:7799654
- Zhang, Y.; Takashina, K.; Saito, H.; Nishiyama, N. (1994b). Anti-aging effect of DX-9368 in senescence accelerated mouse. *Biol Pharm Bull*. Vol. 17, No. 6, pp. 866-868.

- Zhu, D. Y.; Jiang, S. H.; Huang, M. F.; Lin, L. Z.; Cordell, G. A. (1994). Huperserratinine from *Huperzia serrata*. *Phytochemistry*. Vol. 36, No. 4, pp. 1069-1072. doi:10.1016/S0031-9422(00)90493-X
- Zhu, J. X.; Wang, Y.; Kong, L. D.; Yang, C.; Zhang, X. (2004). Effects of *Biota orientalis* extract and its flavonoid constituents, quercetin and rutin on serum uric acid levels in oxonate-induced mice and xanthine dehydrogenase and xanthine oxidase activities in mouse liver. *Journal of Ethnopharmacology*. Vol. 93, No. 1, pp. 133-140.
- Zollman, C.; Vickers, A. (1999). Users and practitioners of complementary medicine. *BMJ*. Vol. 399, pp. 836-838. <http://www.bmj.com/content/319/7213/836.full>