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Herbal Medicine: Bridging Traditional and Modern Pharmacy

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Abstract: This review article explores the dynamic relationship between herbal pharmacy and modern pharmaceuticals, examining their convergence in healthcare. It delves into the integration of traditional knowledge with innovative technologies, elucidating the potential synergies, challenges, and opportunities arising from this merger. The review highlights the importance of understanding, validating, and standardizing traditional herbal remedies through scientific rigor, while also acknowledging their cultural significance and therapeutic potential. Through a comprehensive analysis, this article aims to provide insights into the evolving of herbal pharmacy, emphasizing its role as a bridge between traditional wisdom and modern pharmaceutical science. The availability and type of medicine safety and effectiveness Data are far from sufficient to fulfil the requirements required to support its use globally. Ultimately, this review seeks to provide insights into the transformative potential of herbal medicine in modern healthcare. By elucidating its convergence with modern pharmacy, it aims to shed light on the synergies, opportunities, and future directions for leveraging the collective wisdom of traditional herbal remedies in shaping a comprehensive and integrative approach to wellness and therapeutics.

Keywords: Herbal Medicine ,Traditional Remedies , Modern Pharmacy , Integration Pharmacognosy, Traditional Knowledge , Scientific Validation , Therapeutic Potential , Standardization , Opportunities and challenges , future possibilities.

REFERENCES

- [1]. Shi Q.W., Li L.G., Huo C.H., Zhang M.L., Wang Y.F. Study on natural medicinal chemistry and new drug development. Chin. Tradit. Herb. Drugs. 2010;41:1583–1589. [Google Scholar]
- [2]. Fabricant D.S., Farnsworth N.R. The Value of Plants Used in Traditional Medicine for Drug Discovery. Environ. Health Perspect. 2001;109:69–75. Doi: 10.1289/ehp.01109s169. [PMC free article] [PubMed] [CrossRef] [Google Scholar]
- [3]. Gao X.M., Zhang T.M., Zhang J.R., Guo J.S., Zhong G.S. Chinese MateriaMedica. China Press of traditional Chinese Medicine; Beijing, China: 2007. [Google Scholar]
- [4]. Alves R.R., Rosa I.M. Biodiversity, traditional medicine and public health: Where do they meet? J. Ethnobiol. Ethnomed. 2007;3 doi: 10.1186/1746-4269-3-14. [PMC free article] [PubMed] [CrossRef] [Google Scholar]
- [5]. Dong J.C. The Relationship between Traditional Chinese Medicine and Modern Medicine. Evid. Based Complement. Altern. Med. 2013;2013 doi: 10.1155/2013/153148. [PMC free article] [PubMed] [CrossRef] [Google Scholar]
- [6]. Zhang L.H., Li J. Current situation and developing trends of modernization of traditional Chinese Medicine. J. Zhejiang Univ. Med. Sci. 2011;40:349–353. [PubMed] [Google Scholar]
- [7]. Chan K., Shaw D., Simmonds M.S., Leon C.J., Xu Q., Lu A., Sutherland I., Ignatova S., Zhu Y.P., Verpoorte R., et al. Good practice in reviewing and publishing studies on herbal medicine, with special emphasis on traditional Chinese medicine and Chinese materiamedica. J. Ethnopharmacol. 2012;140:469–475. Doi: 10.1016/j.jep.2012.01.038. [PubMed] [CrossRef] [Google Scholar]
- [8]. Tu P.F., Guo H.Z., Guo D.A. Researches on active constituents of natural and traditional medicine and development of new drugs. J. Peking Univ. Health Sci. 2002;34:513–518. [Google Scholar]

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- [9]. Petrovska BB. Historical review of medicinal plants' usage. Pharmacogn Rev.2012;6(11):1-5. Doi: 10.4103/0973-7847.95849, PMID 22654398.
- [10]. Sonaye HV, et al. Opportunities and challenges in recent trends in herbal medicines.
- [11]. Gossell-Williams M, Simon OR, West ME. The past and present use of plants For medicines. West Indian Med J. 2006;55(4):217-8, Doi: 10.1590/s004331442006000400002, PMID 17249308.
- [12]. 12.Payyappallimana U. Role of traditional medicine in primary health care: An Overview of perspectives and challenging; 2010.
- [13]. Sen S, Chakraborty R, De B. Challenges and opportunities in the advancement Of herbal medicine: India's position and role in a global context. J Herb Med. 2011;1(3-4):6775. Doi: 10.1016/j.hermed.2011.11.001.
- [14]. Ernst E, Thompson Coon J. Heavy metals in traditional Chinese medicines: a systematic review. Clan PharmacolTher 2001;70:497—504.
- [15]. Ernst E. Heavy metals in traditional Indian remedies. Eur J ClinPharmacol 2002;57:891—6.
- [16]. Ko RJ. Adulterants in Asian patent medicines. N Engl J Med1998;339:847.
- [17]. Obi E, Akunyili DN, Ekpo B, Orisakwe OE. Heavy metal Hazards of Nigerian herbal remedies. Sci Total Environ 2006;369:35—41.
- [18]. Pal SK, Shukla Y. Herbal medicine: Current status and the Future. Asian Pac J Cancer Prev 2003;4:281-8.
- [19]. World Health Organization. Guidelines for the Regulation of Herbal Medicines in the South-East Asia Region. New Delhi: World Health Organization; 2004.
- [20]. World Health Organization. National Policy on Traditional Medicine and Regulation of Herbal Medicines. Geneva: Report of WHO Global Survey; 2005.
- [21]. Conboy L, Kaptchuk TJ, Eisenberg DM, Gottlieb B, AcevedoGarcia D. The relationship between social factors and Attitudes toward conventional and CAM practitioners. Complement TherClinPract 2007;13:146-57.
- [22]. Raghavendra HL, Yogesh HS, Gopalakrishna B, Chandrashekhar VM, Sathishkumar BP, Kumar V. An Overview of herbal medicine. Int J Pharm Sci 2009;1:1-20.
- [23]. Kelly K. History of Medicine. New York: Facts on File; 2009. p. 29-50.
- [24]. Balammal G, Sekar BM, Reddy JP. Analysis of Herbal Medicines by Modern Chromatographic Techniques. International Journal of Preclinical and Pharmaceutical Research 2012; 3(1):50-63.
- [25]. Pal KS, Shukla Y. Herbal Medicine: Current Status and The Future. Asian Pacific J Cancer Prev 2003; 4:281-288.
- [26]. Kashaw V, Nema AK, Agarwal A. Hepatoprotective Prospective of Herbal Drugs and Their Vesicular Carriers— A Review. International Journal of Research In Pharmaceutical and Biomedical Sciences 2011; 2(2).
- [27]. Prabhu TP, Panneerselvam P, kumar RV, Atlee WC, Subramanian SB. Antiinflammatory, anti arthritis and Analgesic effect of ethanolic extract of whole plant or Merrimac emarginataBurm.F. Central European Journal Of Experimental Biology. 2012; 1(3):94-99.
- [28]. Namsa ND, Mandal M, Tangjang S. Anti-malarial herbal remedies of northeast India, Assam: an ethnobotanical survey. J Ethnopharmacol. 2011;133:565-572.
- [29]. Morris K. Tackling thorny issues of herbal medicines worldwide.Lancet. 1998;351:9110.
- [30]. World Health Organization. General guidelines for methodologies research and evaluation of traditional medicine (WHO/EDM/TRM/2000.1).
- [31]. http://whqlibdoc.who.int/hq/2000/WHO EDMTRM 2000.1.pdf. Published 2000. Accessed May 25, 2012.
- [32]. Grainier R, Poupon J. Lead poisoning from traditional Indian medicines. Presse Med. 2006;35:1177-1180.

DOI: 10.48175/568

- [33]. Palombo EA. Phytochemicals from traditional medicinal plants Used in the treatment of diarrhoea: modes of action and effects On intestinal function. Phytother Res. 2006;20:717724.
- [34]. Okeke TA, Okafor HU, Uzochukwu BSC. Traditional healers in Nigeria: perception of cause, treatment and referral practices for Severe malaria. J BiolSoc Sci. 2006;38:491-500.
- [35]. Normile D. The new face of traditional Chinese medicine. Science. 2003;299:188-190.

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- [36]. Hsieh SC, Lai JN, Chen PC, Chen HJ, Wang JD. Development of Active safety surveillance system for traditional Chinese medicine: an empirical study in treating climacteric women. Pharmacoepidemiol Drug Saf. 2006;15:889-899.
- [37]. Ang HH, Lee KL. Contamination of mercury in Tongkat Ali Hitam herbal preparations. Food ChemToxicol. 2006;44:1245-1259.
- [38]. Tanaka MM, Kendal JR, LA land KN. From traditional medicine to Witchcraft: why medical treatments are not always efficacious. PLoS One. 2009;4(4):e5192.
- [39]. Strengthening the regulation of herbal medicines in Europe [editorial]. Lancet. 2011;377:146
- [40]. Worldhealth organization. National policy on traditional medicine and regulation of Herbal medicines: Report of a WHO global survey. World Health Organization; 2005.
- [41]. Abdel-Rahman A, Anyangwe N, Carlacci L, Casper S, Danam RP, Enongene E, Et al. The safety and regulation of natural products used as foods and food Ingredients. Toxicol Sci. 2011;123(2):333-48. Doi: 10.1093/toxsci/kfr198, PMID 21821733.
- [42]. Geneva S. WHO Guide lines on Safety Monitoring of Herbal Medicines in Pharmacovigilance Systems; 2004
- [43]. Ismail S, Asad M. Immunomodulatory activity of Acacia catechu. Indian J PhysiolPharmacol. 2009;53(1):25-33. PMID 19810573.
- [44]. Joshi, K.J.I.S. and Technology. Indian Herbal Sector; 2008.
- [45]. Mangathayaru K. Pharmacognosy: An Indian perspective. London: Pearson Education; 2013.
- [46]. Jansen E. Naturopathy in South India: Clinics between professionalization and Empowerment. Brill; 2016.
- [47]. Leite PM, et al. Rev Mech Interact Concomitant Use Herbs Warfarin Ther. 2016;83:14-21.
- [48]. Krings-Ernst I, Ulrich S, Adli M. Antidepressant treatment with MAOinhibitors during general and regional anesthesia: a review and case report Of spinal anesthesia for lower extremity surgery without discontinuation of Tranylcypromine. Int J ClinPharmacolTher. 2013;51(10):763-70. Doi: 10.5414/CP201898, PMID 23993253.
- [49]. Ugalde M, Reza V, González-Trujano ME, Avula B, Khan IA, Navarrete A. Isobolographic analysis of the sedative interaction between six central nervous System depressant drugs and Valerianaedulishydroalcoholic extract in mice. J Pharm Pharmacol. 2005;57(5):631-9. Doi: 10.1211/0022357056000, PMID 15901352.
- [50]. Izzo AA, Ernst EJD. Interactions between herbal medicines and prescribed drugs: A systematic review. Drugs. 2001;61(15):2163-75. Doi: 10.2165/00003495-200161150-00002, PMID 11772128.
- [51]. Ulbricht C, Chao W, Costa D, Rusie-Seamon E, Weissner W, Woods J. Clinical Evidence of herb-drug interactions: a systematic review by the natural Standard research collaboration. Curr Drug Metab. 2008;9(10):1063-120. Doi: 10.2174/138920008786927785, PMID 19075623.

DOI: 10.48175/568

[52]. Herbal, R.S.O.J.V.H.M.E.-B. RegulQual Control. 2006:99.

