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A Comparative Physicochemical Analysis of Seed of Cassia Auriculata and Cassia Tora

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Abstract: The present study is about to the scientific evaluation of Cassia auriculata and Cassia tora collected from the Western Ghats of Maharashtra state. The selected plant species has some applications in traditional medicine for the treatment of various diseases. The present study was focused to screen the physicochemical analysis of C. auriculata and C. tora seeds and seed oil and to confirm - provide a scientific basis for its use in traditional medicine. The physical parameters of the seed of C.tora and C.auriculata are studied respectively, Density, hydration capacity, hydration index, swelling capacity, swelling index, etc.

Keywords: Cassia Auricularia & Cassia Tora Seed, Seed Oil, Diseases, Traditional Medicine, Comparative Physicochemical Analysis.

REFERENCES

- [1]. Ahmed M, Rao SA, Thayyil HA, Ahemad RS, Abid M, Ibrahim M JournalPharmacognosy Journal Volume2 Issue16 Pagination48-52 Date Published11/2010Anonymous A. (2012). Seed. Retrieved October 6, 2012 from http://en.wikipedia.org/wiki/Seed at 9.45 am.
- [2]. Anonymous B. 2012. Cassia seed (jue ming zi). Retrieved August 23, 2012 from http://acupuncturetoday.com/herbcentral/cassia_seed.php at 3.14 am.
- [3]. Hatano T, Uebayashi H, Ito H, Shiota S, Tsuchiya T, Yoshida T. Phenolic constituents of Cassia seeds and antibacterial effect of some naphthalenes and anthraquinones on methicillin-resistant Staphylococcus aureus. Chem Pharm Bull. 1999; 47(8): 1121-1127.
- [4]. Peter H. Graham, Carroll P. Vance (2003): Legumes: Importance and Constraints to Greater Use, Plant Physiology, March 2003, Vol. 131, pp. 872–877, www.plantphysiol.org © 2003 American Society of Plant Biologists.
- [5]. Sarika Sharma Man Singh Dangi1, Shailendra Wadhwa1, Vivek Daniel1, Akhilesh Tiwari, Antibacterial Activity of Cassia tora Leaves, International Journal of Pharmaceutical & Biological Archives, 2010; 1(1): 84 86.
- [6]. Siva, R. and Krishnamurthy, K.V. 2005. Isozyme diversity in Cassia auriculata L, African J of Biotechnology 4: 772-775.
- [7]. Siva, R. and Krishnamurthy, K.V. 2005. Isozyme diversity in Cassia auriculata L, African J of Biotechnology 4: 772-775

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[8]. WHO, 2017, www.who.int/nutgrowthdb/estimates.