**REFERENCES**

Aboaba, O., and Efuwape, B.M. (2001). Antibacterial properties of some Nigerian species. *Journal of Biochemical and Biophysical Research Communications,* **13**, 183-188.

Afolayan, A.J. (2003). Extracts from the shoots of *Arctotis arctotoides* inhibit the growth of bacteria and fungi. *Journal of Pharmaceutical Biology,* **41(**1**),** 22-25.

Al-Fatimi M, Wurster M, Schroder G, Lindequist U: Antioxidant, Antimicrobial and cytotoxic activities of selected medicinal plants from Yemen*.* Journal of Ethnopharmacology 2007; 111:657-666.

Asl, M.N., and Hosseinzadeh, H. (2008). Review of pharmacological effects of *Glycyrrhiza* sp. And its bioactive compound. *Journal of Phytotherapy Research,* **22**(6), 709-724.

Chhabra, S.C., Mahunnah, B.L.A., Mshiu, E.N., 1987. Plants used in traditional medicine in eastern Tanzania. I. Pteridophytes and angiosperms (Acanthaceae to Canellaceae). Journal of Ethnopharmacology 21, 253–277.

Chitme HR, Chandra R, Kaushik S. Studies on antidiarrhoeal activity on *Calotropis gigantean* R.BR. In experimental animals. J Pharm Pharm Sci 2004;7:70-5.

Chung, K.T., Wong. T. Y., Wei, C.I., Huang, Y.W., and Lin, Y. (1998). Tannins and human health: a review. *Critical Reviews in Food Science and Nutrition,* **38**(6), 421-464.

Congesta W.T.C (2005). Preliminary screening of some folklore medicinal plants from a Preliminary screening of some folklore medicinal plants from 70 Western India for potential antimicrobial activity eastern India for potential antimicrobial activity. *Indian Journal of Pharmacology,* **37**(6), 408-409.

Cowan, M.M. (1999). Plant products as antimicrobial agents. *Journal of Clinical Microbiology Reviews,* **12**(4), 564-582.

Cushnie, T.T. and Lamb, A.J (2014). Alkaloids: an overview of their antibacterial, antibiotic enhancing and antivirulence activities. *International Journal of antimicrobial agents,* **44**(5), 377-386.

Cushnie, T.T. and Lamb, A.J (2005). Antimicrobial activity of flavonoids. *International Journal of Antimicrobial Agents,* **26**(5), 343-356.

Cushnie, T.T. and Lamb, A.J (2011). Recent advances in understanding the antibacterial properties of flavonoids. *International Journal of antimicrobial agents,* **38**(2), 99-107.

Dalziel, J.M., 1937. The Useful Plants of West Tropical Africa. Crown Agents for the Colonies, London.

Deshpande, S., Kewatkar, S., and Paithankar, V. (2013). Antimicrobial activity of Saponins rich fraction of *Cassia auriculate Linn* against various microbial strains. *International Current Pharmaceutical Journal.* **2**(4), 85-87.

El-Siddig, K., Ebert, G., Lüdders, P. (1999). *Tamarind* (*Tamarindus indica* L.): *a Review on a Multipurpose Tree with Promising Future in the Sudan.* Journal of Applied Botany– Angewandte Botanik, 73, 202-205.

Fabricant, D.S., and Farnsworth, N.R. (2001). The value of plants used in traditional medicine for drug discovery. *Journal of Environmental Health Perspectives,* **109**(1), 65-69.

Faulkner, J.R., Hussaini, S.R., Blankenship, J.D., Pal, S., Branan, B.M., Grossman, R.B., and Schardi, C.L.(2006). On the sequence of bond formation in loline alkaloid biosynthesis. *Journal of Chemistry and Biochemistry,* **7**(7), 1078-1088.

Freiburghaus, F., Kaminsky, R., Nkunya, M.H.H., and Brun, R. (1996). Evaluation of African medicinal plants for their in vitro trypanocidal activity. *Journal of Ethnopharmacology,* **55**(1), 1-11.

Galeotti, F., Barile, E., Curir, P., Dolci, M., and Lanzotti, V. (2008). Flavonoids from carnation (*Dianthus caryopyllus*) and their antifungal activity. *Journal of Phytochemisty Letters,* **1**(1), 44-48.

Garba, S., and Okeniyi, S.O. (2012). Antimicrobial activities of total alkaloids extracted from some Nigerian medicinal plants. *Journal of Microbiology and Antimicrobial Agents,* **4**(3), 60-63

Ghoshal, S., Prasad, B.K., and Lakshimi, V. (1996). The antiamoebic activity of *Piper longum* fruits against *Entamoeba histolytica in vitro and in vivo*. *Journal of Ethnopharmacology ,* **50**(3), 167-170

Gutiérrez, R.M.P., Mitchell, S., Solis, R.V., 2008. Psidium guajava: a review of its traditional uses, phytochemistry and pharmacology. Journal of Ethnopharmacology 117, 1–27.

Hill, A.F. (1952). Economic Botany: **A Textbook of Useful Plants and Plants Products**(No. SB103, H54 1937).

Holzmuller, P., Sereno, D., Cavaleyra, M., Mangot, I., Daulouede, S., Vincendeau, P., and Lemesre, J.L. (2012). Nitric oxide-mediated proteasome-dependent oligonucleosomal DNA fragmentation in *Leishmania amazonensis* amastigotes. *Journal of infection and immunity,* **70**(7), 3727-3735.

Hambidge, M. (2006). Human zinc deficiency. Journal of Nutrtion, 130:1344S-1349S.

<http://www.traffic.org/medicinal-plants> (30th May, 2014).

<http://www.microbiologyinfo.com/biochemical-test> (15th June, 2014).

Joshi, N.U.P.U.R., Bhatt, S.H.A.N.K., Dhyani, S., and Nain, J.Y.O.T.I. (2013). Phytochemical screening of secondary metabolites of *Argemone Mexicana* Linn. Flowers. *International Journal of Current Pharmaceutical Research,* **5**(2), 144-147.

Kanth, S,V., Venba, R., Madhan, B., Chandrababu, N. K., and Sadulla, S. (2009). Cleaner tanning practices for tannery pollution abatement: the role of enzymes in eco-friendly vegetable tanning. *Journal of Cleaner Production,* **17(**5**)** 507-515.

Keita, A., Coppo, P., 1993. Plantes et Remedes du Plateau Dogon. CRMT, Bandiagara, Mali, pp. 19- 31.

Kerharo, J., Bouquet, A., 1950a. Plantes Médicinales et Toxiques de la Côte d’Ivoire et Haute-Volta. Vigot Freres, Paris.

Kittatoop, P., Mahidol, C., and Ruchirawat, S. (2014). Alkaloids as important scaffolds in therapeutic drugs for the treatment of cancer, tuberculosis, and smoking cessation. *Journal of Current Topics in Medicinal Chemistry,* **14**(2), 249-252.

Kobayashi A, Adenan MI, Kajiyama S et al: A Cytotoxic Principle of *Tamarindus indica*, din- butyl maleate and the Structure-activity Realationship of its Analogues. Z Naturforch 1996; 51(3- 4):233-242.

Kokwaro, O., 1976. Medicinal Plants of East Africa. East African Literature Bureau, Kampala, Nairobi, Dar es Salaam.

Krishnaraju, A.V., Rao, T.V., Sundararaju, D., Vanisree, M., Tsay. H.S., and Subbaraju, G.V. (2005). Assessment of bioactivity of Indian medicinal plants using brine shrimp (*Artemiasalina*) lethality assay. *International Journal for Applied Science Engineering,* **3**(2), 125-340.

Leonard J. Genera des Cynometereae et des Amherstie africaines Leguminosae Caesalpinioideae. Memoire Academie Royale Belgique. 1957;30:1–314. [[Google Scholar](https://scholar.google.com/scholar_lookup?journal=Memoire+Academie+Royale+Belgique&title=Genera+des+Cynometereae+et+des+Amherstie+africaines+Leguminosae-Caesalpinioideae&author=J+Leonard&volume=30&publication_year=1957&pages=1-314&)]

Li, R., Wang, M.Y., and Li, X.B. (2012). Chemical constituents and biological activities of genus Hosta(Liliaceae). *Journal of Medicinal Plants Research,* **6**(14), 2704-2713. 76.

Lichterman, B.L. (2004). Book: aspirin: the story of a wonder drug. *BMJ: British Medical Journal,* **329**(7479), 1404-1408.

Longanga OA, Vercruysse A, Foriers A. Contribution to the ethnobotanical, phytochemical and pharmacological studies of traditionally used medicinal plant in the treatment of dysentery and diarrhea in Lomela area, Democratic Republic of Congo, (DRC). J Ethnopharmacol 2000;71:411-23.

Lopes, G.K., Schulman, H.M and Hernes-Lima, M. (1999). Polyphenol tannic acid inhibits hydroxyl radical formation from Fenton reaction by complexing ferrous ions. *Biochemica et Biophysica Acta (BBA)-General Subjects,* **1472**(1), 142-152.

Maatalah, M.B., Bouzidi, N.K., Bellahouel, S., Merah, B., Fortas, Z., Soulimani, R., and Derdour, A. (2012). Antimicrobial activity of the alkaloids and saponin extracts of *Anabasis articulate. Journal of Biotechnology Pharmaceutical Research,* **3**(3), 54-57.

McNaught, A.D. (1997). Compendium of chemical terminology (Vol. 1669). Oxford: Blackwell Science.77.

Mishra RN. Tirupathi. India (A.P.): 1997. Jun 27-28, ‘*Tamarindus Indica* L: An Overview of Tree Improvement’, Proceedings of National Symposium on *Tamarindus indica* L; 1997 organized by Forest Dept. of A.P., India.

Nascimento, G.G., Locatelli, J., Freitas, P.C., and Silva, G.L. (2000). Antibacterial activity of plant extracts and phytochemicals on antibiotic-resistant bacteria. *Brazilian Journal of Microbiology,* **31**(4), 247-256.

Oksman-Caldenteya, K. and Inze D. (2004). Plant cell factory in the post-genomic era: new ways to produce designer secondary metabolites. Trends in plant science, **9**(9), pp. 433-440.

Okwu, D.E. (2004). Phytochemicals and vitamin content of indigenous spices of South Eastern Nigeria. *Journal for Sustainable Agriculture Environment,* **6**(1), 30-37.

Ramakrishnan, K., Selvi, S.R., and Shubha, R. (2006). Tannin and its analytical techniques. *Indian Journal of Chemical Engineering,* **48**(2), 88. 79.

Riguera, R. (1997). Isolating bioactive compounds from marine organisms. *Journal of Marine Biotechnology,* **5**, 187-193.

Rupasinghe, H.V., Jackson, C.J.C., Poysa, V., Di Berardo, C., Bewley, J.D., and Jenkison, J. (2003). Soyasapogenol A and B distribution in soybean (Glycine max L. Merr.) in relation to seed physiology, genetic variability, and growing location. *Journal of Agricultural and Food Chemistry,* **51**(20), 5888-5894.

Sano M, Miyata E, Tamano S, et al: Lack of Carcinogenicity of Tamarind Seed polysaccharide.in B6C3F1 Mice. Food Chemical Toxicology 1996; 34(5):463-467.

Schardl, C. L., Grossman, R.B., Nagabhyru, P., Faulkner, J.R., and Mallik, U.P. (2007). Loline alkaloids: currencies of mutualism. *Journal of Phytochemistry,* **68**(7), 980-996.

Shahzadi, I., Hassan, A., Khan, U.W., and Shah, M.M. (2010). Evaluating biological activities of the seed extracts from *Tagetes minuta L.* found in Northern Pakistan. *Journal of Medicinal Plants Research,* **4(**20**)**, 2108-2112. 80

Simitu, P., Oginosako, Z., 2005. Socio-economic survey of Adansonia digitata and Tamarindus indica in Kitui. In: Simitu, P. (Ed.), Utilization and Commercialization of Dryland Indigenous Fruit Tree Species to Improve Livelihoods in East and Central Africa. Proceedings of a Regional Workshop, KEFRI, ICRAF ECA. Kitui, Kenya, pp. 14–22.

Solomon Charlse Ugochukwu, Arukwo Uche and Onuoha Ifeanyi (2013). Preliminary phytochemical screening of different solvent extracts of stem bark and root of Dennetic tripetala G. Baker. *Asian journal of plant science and research,* **3**(3): 10-13.

Soong, Y-Y., Barlow, P.J. (2004). *Antioxidant activity and phenolic content of selected fruit seeds.* Food Chemistry, 88, 411-417.

Srivastava, J., Lambert, J., and Vietmeyer, N. (2005). Medicinal plants: An expanding role in from Western India for potential antimicrobial activity. *Indian Journal of Pharmacology,* **37** 406 409.

Siddhuraju, P. (2007). *Antioxidant activity of polyphenolic compounds extracted from defatted raw and dry heated Tamarindus indica seed coat.* LWT, 40, 982-990.

Siddhuraju, P., Vijayakumari, K., Janardhanan, K. (1995). *Nutritional and Antinutritional Properties of the Un- derexploited Legumes Cassia laevigata Willd. and Tamarindus Indica* L. Journal of Food Composition and Analysis, 8, 351-162.

Tsuda, T., Watanabe, M., Ohshima, K., Yamamoto, A., Kawakishi, S., Osawa, T. (1994). *Antioxidative Components Isolated from the Seed of Tamarind (Tamarindus indica* L.*).* Journal of Agricultural and Food Chemistry, 42, 2671-2674.

Ververidis, F., Trantas, E., Douglas, C., Vollmer, G., Kretzschmar, G., and Panopoulos, N. (2007). Biotechnology of flavonoids and other phenylpropanoid-derived natural products. Part I: Chemical diversity, impacts on plant biology and human health. *Journal of Biotechnology,* **2**(10), 1214-1234.

Victora CG, Bryce J, Fontaine O, Monasch R. Reducing deaths from diarrhea through oral rehydration therapy. Bull World Health Organ 2000;78:1246-55.

Yokosuka, A., and Mimaki, Y. (2009). Steroidal saponins from the whole plants of *Agave utahensis* and their cytotoxic activity. *Journal of Phytochemistry,* **70**(60), 807-815.

Zamora-Ros, R., Agudo, A., Luján-Barroso, L., Romieu, I., Ferrari, P., Knaze, V., and Sánchez Cantelejo, E. (2012). Dietary flavonoid and lignan intake and gastric adenocarcinoma risk in the European Prospective Investigation into Cancer and Nutrition (EPIC) study. *The American Journal of Clinical Nutrition,***96(**6**)**, 1398-1408.

Zhao, D.Q., Han, C.X., Ge, J.T., and Tao, J. (2012). Isolation of a UDP-glucose: Flavonoid 5-O glucosyltransferase gene and expression analysis of anthocyanin biosynthetic genes in herbaceous peony (*Paeonia lactiflora* Pall.). *Electronic Journal of Biotechnology,* **15**(6), 9-9.

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