

## 7. REFERENCES

- Abdoul-Latif, F., P. Edou, F. Eba, N. Mohamed, A. Ali, S. Djama, L. Obame, I. Bassole and M. Dicko. 2010. Antimicrobial and antioxidant activities of essential oil and methanol extract of *Jasminum sambac* from Djibouti. **African Journal of Plant Science.** **4(3):** 038-043.
- Abdullah, A.S.H., A.S. Mohammed, R. Abdullah, M.E.S. Mirghani and M. Al-Qubaisi. 2014. Cytotoxic effects of *Mangifera indica* L. kernel extract on human breast cancer (MCF-7 and MDA-MB-231 cell lines) and bioactive constituents in the crude extract. **BMC Complementary and Alternative Medicine.** **14(1):** 1-10.
- Achuthan, C.R., B.H. Babu and J. Padikkala. 2003. Antioxidant and hepatoprotective effects of *Rosa damascena*. **Pharmaceutical Biology.** **41(5):** 357-361.
- Adelman, R., R.L. Saul and B.N. Ames. 1988. Oxidative damage to DNA relation to species metabolic rate and life span. **Proceedings of the National Academy of Sciences.** **85(8):** 2706-2708.
- Aderibibe, A.O., T.S. Emudianughe and B.A.S. Lawal. 2001. Evaluation of the antidiabetic action of *Mangifera indica* in mice. **Phytotherapy Research.** **15(5):** 456-458.
- Agger, S., F. Lopez-Gallego and C. Schmidt-Dannert. 2009. Diversity of Sesquiterpene syntheses in the basidiomycete *Coprinopsis cinerea*. **Molecular Microbiology.** **72(5):** 1181-1195.
- Agrahari A.K., S.K. Panda, A. Meheri and A.R. Padhan. 2010. Screening of wound healing activity of *Curculigo orchoides* Guertn. Root tubers methanolic extract. **International Journal of Pharmaceutical and Applied Sciences.** **1(1):** 91-95.
- Ahmad, I., F. Aqil and M.C. Owais. 2006. Modern phytomedicine : Turning medicinal plants into drugs. John wiley and sons.
- Ahmed, F and A. Urooj. 2011. Pharmacognostic studies in *Ficus racemosa* stem bark. **Pharmacognosy Journal.** **3(19):** 19-24.

- Ahmed, N and N.K. Azam. 2014. Traditional knowledge and formulations of medicinal plants used by the traditional medical practitioners of Bangladesh to treat schizophrenia like Psychosis. **Schizophrenia Research and Treatment**. 1-10.
- Ahmet, C., K. Saban, K. Hamdullah and K. Ercan, 2005. Antifungal properties of essential oil and crude extracts of *Hypericum linarioides*. Bosse. **Biochemical Systematics Ecology**. **33**: 245-256.
- AL-basher, G and F. AL-otibi. 2018. Biological activity of olive leaf extract and regulation of tissue transglutaminase expression in diabetic wound healing. **International Journal of Pharmacology**. **14(7)**: 963-972.
- Aiyegoro, O.A and A.I. Okoh. 2010. Preliminary phytochemical screening and *in vitro* antioxidant activities of the aqueous extract of *Helichrysum longifolium* DC. **BMC Complementary and Alternative Medicine**. **10(1)**: 21.
- Ajaib, M., Z. Khan, N.A.S.R.U.L.L.A.H. Khan and M. Wahab. 2016. Ethnobotanical studies on useful shrubs of district Kotli, Azad Jammu and Kashmir, Pakistan. **Pakistan Journal of Botany**. **42(3)**: 1407-1415.
- Ajaiyeoba, E.O. 2002. Phytochemical and antibacterial properties of *Parkia biglobosa* and *Parkia bicolor* leaf extracts. **African Journal of Biomedical Research**. **5(3)**.
- Ajanal, M., M.B. Gundkalle and S.U. Nayak. 2012. Estimation of total alkaloid in Chitrakadivati by UV-Spectrophotometer. **Ancient Science of Life**. **31(4)**: 198.
- Akindahunsi, A.A and S.O. Salawu. 2005. Phytochemical screening and nutrient-antinutrient composition of selected tropical green leafy vegetables. **African Journal of Biotechnology**. **4(6)**: 497-501.
- Akinmoladun, A.C., E.O. Ibukun, E. Afor, E.M. Obuotor and E.O. Farombi. 2007. Phytochemical constituent and antioxidant activity of extract from the leaves of *Ocimum gratissimum*. **Scientific Research and Essays**. **2(5)**: 163-166.
- Alarcon-Aguilara, F.J., R. Roman-Ramos, S. Perez-Gutierrez, A. Aguilar-contreras, C.C. Contreras-Weber and J.L. Flores-Saenz. 1998. Study of the antihyperglycemic effect of plants used as antidiabetics. **Journal of Ethnopharmacology**. **61(2)**: 101-110.

- Alarcon-Aguillar, F.J., R. Roman-Ramos and J.L. Flores-saenz. 1993. Plantas medicinales used as en el control de la diabetes mellitus ciencia. 44(3): 363-381.
- Albinu, I., E. Aednipekun and T. Odugbemi. 2004. Emergence of quinolone resistance amongst *Escherichia coli* strains isolated from clinical infections in some Lagos state Hospitals in Nigeria. **Nigerian Journal of Health and Biomedical Sciences.** 3(2): 73-78.
- Alex, H.J., H.S.S. Dulce, M.L. Luciano, S.B. Vanderlan da and F. Maysa. 2004. Antioxidant phenolic and quinonemethide triterpenes from *Cheiloclinicum cognatum*. **Phytochemistry.** 65: 1977-1981.
- Alexander, R.J. 1992. Maltodextrins: Production, properties and applications. Starch hydrolysis products. 233-258.
- AL-Huqail, A.A., G.A. Elgaaly and M.M. Ibrahim. 2018. Identification of bioactive phytochemical from two *Punica* species using GC-MS and estimation of antioxidant activity of seed extracts. **Saudi Journal of Biological Sciences.** 25(7): 1420-1428.
- Ali, A.K. 2014. Effect of aqueous olive leaves extract on the pancreatic islets in rats. **Rafidain Journal of Science.** 25(6): 1-9.
- Ali, J.K and A.A. Sasa. 2015. Anatomical study of some characters in certain species of genus *Jasminum* L. growing in Iraq. **International Journal of Science and Research.** 5(10): 1137-1140.
- Ali, S.A., T.H. Al-Amin, A.H. Mahamed and A.A. Gameel. 2009. Hepatoprotective activity of aqueous and methanolic extracts of *Capparis decidua* stems against Carbon tetrachloride induced liver damage in rats. **Journal of Pharmacology and Toxicology.** 4(4): 167-172.
- Allan, L and N.D. Miller. 1996. Antioxidant flavonoids: structure, function and clinical usage. **Alternative Medicine Review.** 1: 111.

- Amarowicz, R., A. Troszynska, N.I.N.A. Barylko-pikielna and F. Shahidi. 2004. Polyphenolics extracts from legume seeds: Correlations between total antioxidant activity, total phenolics content, tannins content and astringency. **Journal of Food Lipids.** **11(4):** 278-286.
- Amos, A.F., D.J. McCarty and P. Zimmet. 1997. The rising global burden of diabetes and its complications: estimates and projections to the year 2010. **Diabetic Medicine.** **1(S5):** S7-S85.
- Amponsah, I.K., A.Y. Mensah, A. Otoo, M.C.K. Menseh and J. Jonathan. 2014. Pharmacognostic standardsation of *Hilleria latifolia* (lam.) H. Walt (Phytolaceae). **Asian Pacific Journal of Tropical Biomedicine.** **4(12):** 941-946.
- Anil Kumar, V.S., A.V. Sunila and K. Murugan. 2016. Micromorphological and FTIR spectral analysis of *Solanum. Trilobatum* L. (Solanaceae). A Medicinally valued Thorny creeper from South India. **International Journal of Advance Research.** **4(1):**1249-1254.
- Aniya, Y., C. Miyagi, A. Nakandakari, S. Kamiya, N. Imaizumi and T. Ichiba. 2002. Free radical scavenging action of the medicinal herb *Limonium wrightii* from the Okinawa islands. **Phytomedicine.** **9(3):** 239-244.
- Ankad, G.M., R.T. Konakeri, H.V. Hegde and S. Roy. 2015. Variation in pharmacognostic characters and Polyphenolic contents among four species of medicinal plants from the genus *Spermacoce* Rubiaceae. **Indian Journal of Pharmaceutical Sciences.** **77(4):** 446.
- Ankita, S., S.S. Chandra, R. Suman and T. Arti. 2014. Phytochemical study and antimicrobial activitites of *Jasminum multiflorum*. **World Journal of Pharmaceutical Science.** **3(4):** 735-742.
- Anonymous, 1956. Wealth of India-Raw materials. Vol III. Council of Scientific and Industrial Research, New Delhi. 337-343.
- Anonymous. 2001. The Ayurvedic Pharmacopoeia of India, Part 1, Vol. 1. 1<sup>st</sup> ed. New Delhi: Government of India. 111-143.

- Ansari, S.H. 2006. Essentials of Pharmacognosy. Birla Publication Pvt. Ltd 1st edition. New Delhi.
- Antolovich, M., P. Prenzler, K. Robards and D. Ryan. 2000. Sample preparation in the determination of phenolic compounds in fruits. **Analyst**. **125(5)**: 989-1009.
- Apostolidis, E., Y.I. Kwon and K. Shetty. 2007. Inhibitory potential of herb, fruit and fungal enriched cheese against key enzymes linked to type 2 diabetes and hypertension. **Innovative Food Science and Emerging Technologies**. **8**: 46-54.
- Arokiyaraj, S., R. Radha, S. Martin and K. Perinbam. 2008. Phytochemical analysis and anti-diabetic activity of *Cadaba fruticosa* R.Br. **Indian Journal of Science and Technology**. **1(6)**: 1-4.
- Arora, M.A.N.U., A.A. Siddiqui, S.A.R.V.E.S.H. Paliwal and R.A.V.I.N.E.S.H. Mishra. 2013. Pharmacognostical and phytochemical investigation of *Salvadora Oleoides* Decne. stem. **International Journal of Pharmaceutical Sciences**. **5**: 128-130.
- Arpita, R., K.M. Laxmi and B. Navneeta. 2018. Qualitative and quantitative phytochemical analysis of *Centella asiatica*. **Natural Products and Chemical Research**. **6(4)**: 323.
- Asha, V., S. Jeeva and K. Paulraj. 2014. Phytochemical and FT-IR spectral analysis of *Caralluma geniculata* Grev. et Myur. An endemic medicinal plant. **Journal of Chemical and Pharmaceutical Research**. **6(7)**: 2083-2088.
- Ashok kumar, R and M. Ramaswamy. 2014. Phytochemical screening by FT-IR Spectroscopic analysis of leaf extracts of selected Indian medicinal plants. **International Journal of Current Microbiology and Applied Sciences**. **3(1)**: 395-406.
- Ashwathananarayana, R and R.A.J.A. Naika. 2017. Study on antioxidant and cytotoxic properties of *Olea dioica* Roxb. crude extract and its pure compound collected from Western Ghats, Karnataka, India. **Asian Journal of Pharmaceutical and Clinical Research**. **10(2)**: 356-367.

- Asl, M.N and H. Hosseinzadeh. 2008. Review of pharmacological effects of *Glycyrrhiza* sp. and its bioactive compounds. **Phytotherapy Research: An International Journal Developed to Pharmacological and Toxicological Evaluation of Natural Product Derivatives.** 22(6): 709-724.
- Atanasov, A.G., B. Waltenberger, E.M. Pferschy-Wenzig, T. Linder, C. Wawrosch, P. Uhrin., and H. Stuppner. 2015. Discovery and resupply of pharmacologically active plant-derived natural products: A review. **Biotechnology Advances.** 33(8): 1582-1614.
- Aust, S.D. 1985. The role of iron in enzymatic lipid peroxidation. Free radicals in biology. Vol. 1 New York, Academic Press. 1-28.
- Ayinde, B.A., E.K. Omongbai and F.C. Amaechina. 2007. Pharmacognosy and hypotensive evaluation of *Ficus exasperate* vahl (Moraceae) leaf. **Acta Poloniae Pharmaceutica.** 64(6): 543-546.
- Ayitey-Smith, E and I. Addae-Mensah. 1977. Phytochemical, nutritional and medical properties of some leafy vegetables consumed by Edo people by Nigeria.
- Ayoola, G.A., H.A. Coker, S.A. Adesegun, A.A. Adepoju-Bello, K. Obaweya, E.C. Ezennia and T.O. Atangbayila. 2008. Phytochemical screening and antioxidant activities of some selected medicinal plants used for malaria therapy in southwestern Nigeria. **Tropical Journal of Pharmaceutical Research.** 7(3): 1019-1024.
- Aziz, R.A., M.R. Sarmidi, S. Kumaresan, Z.M. Taher and D.C.Y. Foo. 2003. Phytochemical processing : the next emerging field in chemical engineering-aspects and opportunities. **Jurnal Kejuruteraan Ksimia Malaysia.** 3: 45-60.
- Azuma.Y., K.M. Nakawo, H. Jiankany and O. Watanabe. 1995. Melting induced relocation of ions in glacier and in a seasonal snow-pack. IAHS Publications. 223-287.
- Babbs, C.F. 1985. Role of iron in the genesis of reperfusion injury following successful cardiopulmonary resuscitation. Preliminary data and a biochemical hypothesis. **Annals of Emergency Medicine.** 14(8): 777-783.

- Babu, M., S.V. Thomas, T.P. Sruthi and J. Joseph. 2019. Evaluation of cytotoxic activity of *Anona muricata* fruits and leaves. **Research Journal of Pharmacy and Technology.** **12(8):** 3802-3806.
- Baik, K.U., S.H. Jung and B.Z. Ahn. 1993. Recognition of pharmacophore of ar-tumerone for its anticancer activity. *Archives of Pharmcal Research.* **16(3):** 254-256.
- Bailey, C.J and C. Day. 1989. Traditional plant medicines as treatments for diabetes. **Diabetes Care.** **12(8):** 553-564.
- Bairwa, K., R. Kumar, R.J. Sharma and R.K. Roy. 2010. An updated review on *Bidens pilosa* L. **Der Pharma Chemica.** **2(3):** 325-337.
- Bairwa, N.K., N.K. Sethiya and S.H. Mishra. 2010. Protective effect of stem bark of *Ceiba pentandra* linn. against paracetamol induced hepatotoxicity in rats. **Pharmacognosy Research.** **2(1):** 26.
- Bajaj, J.S. 1995. Diabetes in tropics and developing countries. *IDF bull.* **38:** 5-6.
- Bandyopadhyay, U., D. Das and R.K. Banerjee. 1999. Reactive oxygen species: Oxidative damage and Pathogenesis. **Current Science.** **658-666.**
- Banerjee, A., B. Maji, S. Mukherjee, K. Chaudhuri and T. Seal. 2017. *In vitro* antidiabetic and antioxidant activities of methanol extract of *Tinospora sinensis*. **Journal of Applied Biology & Biotechnology.** **5(3):** 061-067.
- Barry, T.N and T.R. Manley. 1986. The role of condensed tannins in the nutritional value *Lotus pedunculatus* for sheep, 4. Sites of carbohydrate and protein digesion as influenced by dietary reactive tannin concentration. **British Journal of Nutrition.** **55:** 123-137.
- Bartolini, G and R. Petruccelli. 2002. Classification, origin, diffusion and history of the olive. *Food & Agriculture Org.*
- Basu, S.K., M. Rupeshkumar and K. Kavitha. 2009. Hepatoprotective and antioxidant effect of *Andrographis echiooides* N. against acetaminophen induced hepatotoxicity in Rats. **Journal of Biological Sciences.** **9(4):** 351-356.

- Benalla, W., S. Bellahcen and M. Bnouham. 2010. Antidiabetic medicinal plants as a source of alpha glucosidase inhibitors. **Current Diabetes Reviews.** **6(4):** 247-254.
- Benzidia, B., M. Barbouchi, H. Hammouch, N. Belahbib, M. Zouarhi, H. Erramli and N. Hajjaji. 2019. Chemical composition and antioxidant activity of tannin extract from green rind of *Aloe vera* (L.). Burn.F. **Journal of King Saud University Science.** **31(4):** 1175-1181.
- Benzie, I and J.J. Strain.1999. Ferric reducing antioxidant power assay: direct measure of total antioxidant activity of biological fluids and modified version for simultaneous measurement of total antioxidant power and ascorbic acid concentration. **Methods in Enzymology.** **299:** 15-27.
- Bhaskar, A and V. Nithya. 2012. Evaluation of wound healing activity of *Hibiscus rosa-sinensis* L. (Malvaceae) in wistar albino rats. **Indian Journal of Pharmacology.** **44(6):** 694.
- Bhushan, B., S. Sardana and G. Bansal, 2015. Phytochemical and pharmacognostical studies of leaves of *Jasminum mesyni* Hance. **Journal of Chemical and Pharmaceutical Research.** **7(4):** 922-926.
- Bhuvaneswari, K and K. Periyanayagam. 2012. Pharmacognostical and Phytophysicochemical profile of the leaves of *Mangifera indica* L. Vav Alphonsa (Anacardiaceae) - Valuable assessment of its quality. **Asian Journal of Pharmaceutical and Clinical Research.** **5(4):** 246-250.
- Biano, A. 1990. Studies in natural products chemistry, Elsevier science, Amsterdam, The Netherlands. 32.
- Bibi, Y., S. Nisa, F.M. Chaudhary and M. Zia. 2011. Antibacterial activity of some selected medicinal plants of Pakistan. **BMC Complementary and Alternative Medicine.** **11(1):** 1-7.
- Bigoniya, P., C.S. Singh and B. Srivastava. 2012. Pharmacognostical and physico-chemical standardization of *Syzygium cumini* and *Azadirachta indica* Seed. **Asian Pacific Journal of Tropical Biomedicine.** **2(1):** S290-S295.

- Biswas, I and A. Mukherjee. 2011. Pharmacognostic studies on the leaf of *Nyctanthes arbor-tristis*. **Acta Botanica Hungarica.** **53(3-4):** 225-234.
- Bobby, M.A., E.G. Wesely and M. Johnson. 2012. FT-IR studies on the leaves of *Albizia lebbeck* Benth. **International Journal of Pharmacy and Pharmaceutical Sciences.** **4(3):** 293-296.
- Brown, J.P. 1980. A review of the genetic effects of naturally occurring flavonoids, anthraquinones and related compounds mutation research/ reviews in genetic toxicology. **75(3):** 243-277.
- Buyukokuroglu, M.E., I. Gulcin., M. Oktay and O.I. Kufrevioglu. 2001. *In vitro* antioxidant properties of Dantrolene sodium. **Pharmacological Research.** **44(6):** 491-494.
- Cai, Y., Q. Luo, M. Sun and H. Corke. 2004. Antioxidant activity and phenolic compounds of 112 traditional chinese medicinal plants associated with anticancer. **Life Sciences.** **74(17):** 2157-2184.
- Cakmak, G., I. Togan and F. Severcan. 2006. 17 β- Estradiol induced compositional, structural and functional changes in rainbow trout liver, revealed by FT-IR spectroscopy: a comparative study with nonylphenol. **Aquatic Toxicology.** **77(1):** 53-63.
- Calixto, J.B. 2000. Efficacy, safety, quality control, marketing and regulatory guidelines for herbal medicines (phytotherapeutic agents). **Brazilian Journal of Medical and Biological Research.** **33(2):** 179-189.
- Chaiyasit, W., E.J. Elias, D.J. McClements and E.A. Decker. 2007. Role of physical structures in bulk oils on lipid oxidation. **Critical Reviews in Food Science and Nutrition.** **47(3): 299-317.**
- Chanda, S. 2014. Importance of pharmacognostic study of medicinal plants. An Overview. **Journal of Pharmacognosy and Phytochemistry.** **2(5):** 69-73.
- Chandra, S. 2019. Fourier transform infrared (FT-IR) spectroscopic analysis if *Nicotiana plumbaginifolia* (Solanaceae). **Journal of Medicinal Plants.** **7(1):** 82-85.

- Charushila, D and P. Swaroopa. 2016. FTIR spectroscopic screening of phytochemicals of two medicinally important species of *Solanum* used in preparation of Dashmula formulation. **International Journal of Pharmaceutical Science-Review and Research.** **36(2):** 112-120.
- Chase Jr, C.R. and R. Pratt. 1949. Fluorescence of powdered vegetable drugs with particular reference to development of a system of identification. **Jounal of the American Pharmaceutical Association.** **38(6):** 324-331.
- Chatterjee, T.K. 2000. Medicinal plants with hepatoprotective properties. **Herbal Options.** **3:** 135-137.
- Chaudhari, S.Y., C.R. Harisha, R. Galib and P.K. Prajapati. 2014. Pharmacognostical evaluation of *Citrus jambhiri* Lush fruit. **Ancient Science of Life.** **34(2):** 96.
- Cheng, A.Y and I.G. Fantus. 2005. Oral antihyperglycemic therapy for type 2 diabetes mellitus. **Canadian Medical Association Journal.** **172(2):** 213-226.
- Chithra, P., G.B. Sajithlal and G. Chandrasekaran. 1998. Influence of *Aloe vera* on collagen turnover in healing of dermal wounds in rats. **Indian Journal of Experimental Biology.** **36(9):** 396-901.
- Choi, S.J., J.K. Kim, H.K. Kim, K. Harris, C.J. Kim, G.G. Park.... and D.H. Shin. 2013. 2,4-Di-tert-butyl phenol from sweet potato protect against oxidative stress in PC12 cells and in mice. **Journal of Medicinal Food.** **16(11):** 977-983.
- Chuang, H.Y., L.T. Ng, T. Chang, J.S. Chang, J.Y. Chen, T.C. Lin and C.C. Lin. 2011. Hydrolysable tannins of tropical almond show antifibrotic effects in TGF- $\beta$ 1 induced hepatic stellate cells. **Journal of the Science of Food and Agriculture.** **91(15):** 2777-2784.
- Cakmak.G., I. Toyen and F. Severcan. 2006. 17 $\beta$ -Estradiol induced compositional, structural and functional changes in rainbow trout liver revealed by FT-IR spectroscopy: a comparative study with nonylphenol. **Aquatic Toxicology.** **77(1):** 53-63.
- Coimbra, R. 1994. Manual de Fitoterapia. Editora CEJUP, Belem, Brazil. 26.

- Collier, A.C and C.A. Pritsos. 2003. The mitochondrial uncoupler dicumarol disrupts the MTT assay. **Biochemical Pharmacology.** **66(2):** 281-287.
- Cooke, T. 1967. Flora of presidency of Bombay Vol III, Calcutta. Botanical Survey of India. 347-349.
- Cornejo, X., J.A. Lombardi and W.W. Thomas. 2011. Chionanthus parviflora: a new species of Oleaceae endemic to Northeastern Brazil. **Harvard Papers in Botany.** 421-423.
- Covell, D.G., R. Huang and A. Wallqvist. 2007. Anticancer medicines in development: assessment of bioactivity profiles within the National Cancer Institute anticancer screening data. **Molecular Cancer Therapeutics.** **6(8):** 2261-2270.
- Cowan, M.M. 1999. Plant products as antimicrobial agents. **Clinical Microbiology Reviews.** **12(4):** 564-582.
- Cragg, G.M and D.J. Newman, 2000. Antineoplastic agents from natural sources: achievements and future directions. **Expert Opinion on Investigational Drugs.** **9(12):** 2783-2797.
- Creutzfeldt, W. 1999. Effects of the  $\alpha$ -glcosidase inhibitor acarbose on the development of long term complications in diabetic animals pathophysiological and therapeutic implications. **Diabetes of Metabolism Research and Reviews.** **15(4):** 289-296.
- Cronquist, A and A.L. Takhtadzhian. 1981. An integrated system of classification of flowering plants. Columbia university press.
- Cross, C.E., B. Halliwell, E.T. Borish, W.A. Pryor, B.N. Ames, R.L. Saul, J.M. McCord and D. Harman. 1987. Oxygen radical and human disease. **Annals of Internal Medicine.** 526-545.
- Cruz, R.C.B., C.D. Meurer, E.J. Silva, C. Schaefer, A.R.S. Santos, A. Bella cruz and V. Cechinel filho. 2006. Toxicity evaluation of *Cucurbita maxima*. Seed extract in Mice. **Pharmaceutical Biology.** **44(4):** 301-303.
- Culling, C.F.A. 2013. Handbook of Histopathological and Histochemical Techniques: including museum technique Butterworth, Heinemann.

- Dak, M., R.C. Verma and S.N.A. Jaffrey. 2007. Effect of temperature and concentration on rheological properties of “kesar” mango juice. **Journal of Food Engineering.** **80(4):** 1011-1015.
- Das, B.K., B. Das, F.K. Arpita, M.A. Morshed, A. Uddin, R. Bhattacharjee and J.M.A. Hannan. 2011. Phytochemical Screening and antioxidant activity of Leucas aspera. **International Journal of Pharmaceutical Science and Research.** **2(7):** 1746.
- Dave, R. 2009. *In vitro* models for antioxidant activity evaluation and some medicinal plants possessing antioxidant properties: An overview. **African Journal of Microbiology Research.** **3(13):** 981-996.
- Davidse, G. 2009. Flora mesoamericana. 4: Parte 1. Cucurbitaceae a Polemoniaceae. Univ. Nacional Autonoma de Mexico, Inst. De Biologia. 626-662.
- David, M.N. 1996. The pathophysiology of diabetic complications: How much does the glucose, hypothesis explain?. **Annals of Internal Medicine.** **174:** 286-289.
- Davis, R and L.J. Mauer. 2010. Fourier transform infrared (FT-IR) spectroscopy: a rapid tool for detection and analysis of foodborn pathogenic bacteria current research, technology and education topics in applied microbiology and microbial biotechnology. **2:** 1582-1594.
- Dawson, T.M, V.L. Dawson and S.A. Snyder. 1992. A novel neuronal messenger molecule in brain: The free radical, nitric oxide. **Annals of neurology : official Journal of the American Neurological Association and the Child Neurology Society.** **32(3):** 297-311.
- Dayananda, B., A.K. Raghavan, F.B.A. Khanum and Singh. 2010. *In vitro* Antioxidant and Free radical scavenging activity of *Glycyrrhiza glabra* root extracts. **Journal of Herbal Medicine and Toxicology.** **4(1):** 97-102.
- De Boeck, B., N.M. Harrington-Frost and G. Pattenden. 2005. Tandem cyclisations involving  $\alpha$ -ketenyl alkyl radicals. New syntheses of the natural triquinanes pentalenene and modhephene - Organic and biomolecular chemistry. **3(2):** 340-347.

- De Fatima, A., L.V. Modolo, C.S. Conegero, R.A. Pilli, C.V. Ferreira, L.K. Kohn and J.E. De Carvalho. 2006. Styryl lactones and their derivatives: biological activities, mechanism of action and potential leads for the drug design. **Current Medicinal Chemistry.** **13(28):** 3371-3384.
- De melo, E.B., A. Da Silveira Gomes and I. Carvalho. 2006.  $\alpha$  and  $\beta$  glucosidase inhibitors: chemical structure and biological activity. **Tetrahedron.** **62(44):** 10277-10302.
- De, S., A. Dey, A.S. Babu and S. Aneela. 2013. Phytochemical and GC-MS analysis of bioactive compounds of *Sphaeranthus amaranthoides* Burm. **Pharmacognosy Journal.** **5(6):** 265-268.
- Deby, C and R. Goutier. 1990. New perspective on the biochemistry of Superoxide anion and the efficiency of superoxide dismutases. **Biochemical Pharmacology.** **39(3):** 399-405.
- Deepa, M.R., D.P. Sheema and P.S. Udayan. 2016. Floristic diversities and medicinal importance of selected sacred grooves in Thrissur district, Kerala. **Tropical Plant Research.** **3(1):** 230-242.
- Dekanski, D., N. Mihailovic-stanojevic, G.J. Milanovic, D. Jovovic and Z. Miloradovic. 2014. Effects of high dose olive leaf extract on haemodynamic and oxidative stress parameter in normotensive and spontaneously hypertensive rats. **Journal of the Serbian Chemical Society.** **79(9):** 1085-1097.
- Denizot, F and R. Lang. 1986. Rapid colorimetric assay for cell growth and survival: modifications to the tetrazolium dye procedure giving improved sensitivity and reliability. **Journal of Immunological Methods.** **89(2):** 271-277.
- Devasagayam, T.P.A., J.C. Tilak, K.K. Boloor, K.S. Sane, S.S. Ghaskadbi and R.D. Lele. 2004. Free radicals and antioxidants in human health: current status and future prospects. **Journal of Association of Physicians of India.** **52(794804):** 4.
- Dhalin, D.C., G.T. Miwa, A.Y. Lu and S.D. Nelson. 1984. N-acetyl-p-benzoquinone imine: a cytochrome P-450 mediated oxidation product of acetaminophen. **Proceedings of the National Academy of Sciences.** **8(5):**1327-1331.

- Dhanani, T., S. Shah, N.A. Gajbhiye and S. Kumar. 2017. Effect of extraction methods on yield, phytochemical constituents and antioxidant activity of *Withania somnifera*. **Arabian Journal of Chemistry.** **10:** S1193-S1199.
- Di stasi, L.C and C.A. Hiruma-Lima. 2002. Plantas medicinais na Amazonia e na Mata Atlantica. Editora Unesp.
- Dineshkumar, B., A. Mitra and M. Manjunatha. 2010. A comparative study of alpha amylase inhibitory activities of common anti-diabetic plants at kharagpur 1 block. **International Journal of Green Pharmacy.** **4(2):** 115-121.
- Doughari, J.H and S. Manzara. 2008. *In vitro* antibacterial activity of crude leaf extracts of *Mangifera indica* Linn. **African Journal of Microbiology Research.** **2(4):** 67-72.
- Droge, W. 2002. Free radicals in the physiological control of cell function. **Physiological Reviews.** **82(1):** 47-95.
- Duke, J.A and K.K. Wain. 1981. In medicinal plants of world computer index with more than 8500 entries **3:** 1654.
- Duraipandiyan, V., M. Ayyanar and S. Ignacimuthu. 2006. Antimicrobial activity of some ethno medicinal plants used by Paliyar tribe from Tamilnadu, India. **BMC Complementary and Alternative Medicine.** **6(1):** 1-7.
- Ebana, R.U.B., B.E. Madunagu, E.D. EKPE and I.N. Otung. 1991. Microbiological exploitation of cardiac glycosides and alkaloids from *Garcinia kola*, *Borreria ocyoides*, *Cola nitida* and *Citrus aurantifolia*. **Journal of Applied Bacteriology.** **71(5):** 398-401.
- Edrah, S and A. Kumar. 2014. Preliminary phytochemical and antibacterial studies of *Olea europaea* and *Polygonum maritimum* libyan plants. **International Journal of Science and Research.** **3(9):** 1677-1680.
- Elfalleh, W., H. Hannachi, N. Tlili, Y. Yahia, N. Nasri and A. Ferchichi. 2012. Total phenolic contents and antioxidant activities of Pomegranate peel, seed, leaf and flower. **Journal of Medicinal Plants Research.** **6(32):** 4724-4730.

- Erbay, Z and F. Icier. 2010. The importance and potential uses of olive leaves. **Food Reviews International.** **26(4):** 319-334.
- Etim, E., A. Udobre, A. Udoh and E. Eduoku. 2015. Evaluation of the antioxidant property of Vernonia cinerea (L.) LESS (Asteraceae) using 2,2-Diphenyl-1-picrylhydrazine (DPPH) Assay Method. **The Pharma Innovation.** **4(6 part A):** 10.
- Fabricant, D.S and N.R. Farnsworth. 2001. The value of plants used in traditional medicine for drug discovery. **Environmental Health Perspectives.** **109(1):** S69-S75.
- Fakurazi, S., I. Hairusz ah and U. Nandhini. 2008. *Moringa oleifera* Lam prevents acetaminophen induced liver injury through restoration of glutathione level. **Food and Chemical Toxicology.** **46(8):** 2611-2615.
- Farhat, M.B., A. Landoulsi, R. Chaouch-hamada, J.A. Sotomayor and J.J. Maria. 2013. Characterization and quantification of phenolic compounds and antioxidant properties of *Salvia* Species growing in different habitats. **Industrial Crops and Products.** **49:** 904-914.
- Farnsworth, N.R. 1993. Ethnopharmacology and future drug development: the North American experience. **Journal of Ethnopharmacology.** **38(2-3):** 137-143.
- Feeny, P. 1970. Seasonal changes in oak leaf tannins and nutrient as a cause of spring feeding by winter moth caterpillars. **Ecology.** **51(4):** 565-581.
- Fernandez-Alonso, J.L and A. Cogollo-Pacheco. 2016. *Chionanths vargasii* (Oleaceae), una nueva especie del Quindío y notas sobre el genero en Colombia. **In Anales del Jardín Botánico de Madrid.** **73.**
- Fernie, A.R., R.N. Trethewey, A.J. Krotzky and L. Willmitzer. 2004. Metabolite profilling; from diagnostics to systems biology. **Nature Reviews Molecular Cell Biology.** **5(9):** 763-769.
- Ferrari, M., M.C. Fornasiero and A.M. Isetta. 1990. MTT colorimetric assay for testing macrophage cytotoxic activity *in vitro*. **Journal of Immunological Methods.** **13(2):** 165-172.

- Fiehn, O. 2002. Metabolomics-the link between genotype and phenotype. **Plant Molecular Biology**. **48**: 155-171.
- Fleischaer, A.T., N. Simonsen and L. Arab. 2003. Antioxidant supplements and risk of breast cancer recurrence and breast cancer-related mortality among postmenopausal women. **Nutrition and Cancer**. **46(1)**: 15-22.
- Flowering, F.O. 1998. Missouri Botanical. Annals of the Missouri Botanical garden. **85(4)**: 531-553.
- Fotsis, T., M.S. Pepper, E. Aktas, S. Breit, S. Rasku, H. Adlercreutz and L. Scheweigerer. 1997. Flavonoids dietary-derived inhibitors of cells proliferations and *in vitro* angiogenesis cancer research. **57(14)**: 2916-2921.
- Fu, S., D. Arraez-Roman, A. Segura-carretero, J.A. Menendez, ....and M.P. Menendez-Guierez, V. Micol and A. Fernandez Gutierrez. 2010. Qualitative screening of phenolic compounds in olive leaf extracts by hyphenated liquid chromatography and preliminary evaluation of cytotoxic activity against human breast cancer cells. **Analytical and Bioanalytical Chemistry**. **397(2)**: 643-654.
- Ganesh, S and J.J. Vennila. 2011. Phytochemical analysis of *Acanthus ilicifolius* and *avicennia* by GC-MS. **Research Journal of Phytochemistry**. **5(1)**: 60-65.
- Ganju, K and A.K. Pathak. 2013. Evaluation of wound healing activity of the polyherbal and *Euphorbia hirta* formulations. **African Journal of Pharmacy and Pharmacology**. **7(33)**: 2333-2340.
- Garg, M., K. Lata and S. Satija. 2016. Cytotoxic potential of few Indian fruit peels through 3-(4,5-dimethyl thiozol-yl)-2,5-diphenyl tetrazolium bromide assay on HepG<sub>2</sub> cells. **Indian Journal of Pharmacology**. **48(1)**: 64.
- Garrod, L.P and F. O'grady. 1971. Antibiotic and chemotherapy (3<sup>rd</sup> Edition). 2009. **Pharmaceutical Biology**. **47(1)**: 72-76.
- Ghanekar, B.G. 1981. Sutrasthana. In: Sushrut samhita. Varanasi: Motilal Banarasidas. 3.
- Ghani, A. 2003. Medicinal plants of Bangladesh. Asiatic Society of Bangladesh, Dhaka, Bangladesh. 500-504.

- Ghasemzadeh, A and N. Ghasemzadeh. 2011. Flavonoids and phenolic acids: Role and biochemical activity in plants and human. **Journal of Medicinal Plants Research.** **5(31):** 6697-6703.
- Ghorbani, A. 2013. Best herb for managing diabetes: a review of clinical studies. **Brazilian Journal of Pharmaceutical Sciences.** **49(3):** 413-422.
- Gonzalez, R.J and J.B. Traloff. 2001. Evaluation of hepatic subcellular fractions for Alamar blue and MTT reductase activity. **Toxicology In vitro.** **15(3):** 257-259.
- Gorgulu, S.T. M. Dogan and F. Severcan. 2007. The Characterization and differentiation of higher plants by Fourier transform infrared spectroscopy. **Applied Spectroscopy.** **61:** 300-308.
- Goss. 1994. A treatise on *Chionanthus virginica*. **Drug Treatise.** 5.
- Govindarajan, M., A. Jebanesan, D. Reetha, R. Amsath, T. Pushpanathan and K. Samidurai. 2008. Antibacterial activity of *Acalypha indica* L. **European Review for Medical and Pharmacological Sciences.** **12(5):** 299-302.
- Govindasamy, C and R. Srinivasan. 2012. *In vitro* antibacterial activity and phytochemical analysis of *Catharanthus roseus* (Linn.) G. Don. **Asian Pacific Journal of Tropical Biomedicine.** S1555-S1558.
- Gowdhami, T and A.K. Rajalakshmi. 2015. Ethnobotany and pharmacognostical studies of *Jasminum sambac* Linn. **International Letters of Natural Sciences.** 37.
- Green, P.S. 2004. Oleaceae. In Kubitzki.K. and Kadereit J.W. The families and genera of vascular plants, dicotyledons, Vol. VII. New York. **Springer.** 296-306.
- Grohmann, F. 1974. Oleacea. In: Flora of Pakistan: Nasir, E and Ali, S.I (Eds.). Stewart Herbarium, Department of Botany Gordon College, Rawalpindi., Karachi University. 59: 1-27.
- Groop, L., C. Forsblom and M. Lehtovirta. 1997. Characterization of the prediabetic state. **American Journal of Hypertension.** **10(36):** 172S-180S.

- Grover, N and V. Patni. 2013. Phytochemical characterization using various solvent extracts and GC-MS analysis of methanolic extract of *Woodfordia fruticosa* (L.) Kurz. Leaves. **International Journal of Pharmacy and Pharmaceutical Sciences.** **5(4):** 291-295.
- Guérmonprez, M., M. Pinkas and M. Tork. 1997. *Chionanthus virginiana*. Matière Medicale Homeopathique, 2<sup>nd</sup> Edn. 144-145.
- Gulcin, I. 2006. Antioxidant and antiradical activities of L-carnitine. **Life sciences.** **78(8):** 803-811.
- Gulcin, I., M. Oktay, E. Kirecci and O.I. Kufrevioglu. 2003. Screening of antioxidant and antimicrobial activities of anise (*Pimpinella anisum* L.) seed extracts. **Food Chemistry.** **83(3):** 371-382.
- Gulcin, Y., R. Elias, A. Gepdiremen, L. Boyer and E. Koksal. 2007. A comparative study on the antioxidant activity of fringe tree (*Chionanthus virginicus* L.) extracts. **African Journal of Biotechnology.** **6(4).**
- Gupta, A., R. Kumar, N.K. Upadhyay, K. Pal, R. Kumar and R.C. Sawhney. 2007. Effects of *Rhodiola imbricata* on dermal wound healing. **Planta Medica.** **73(08):** 774-777.
- Gupta, A.K., H. Chitme, S.K. Dass and N. Misra. 2006. Antioxidant activity of *Chamomilla recutita* Capitula methanolic extracts against CCl<sub>4</sub>- induced liver injury in rats. **Journal of Pharmacology and Toxicology.** **1(2):** 101-107.
- Gupta, O.P, M.M. Ali, R.B.J. Ghatak and C.K. Atal. 1977. Some Pharmacological investigations of embelin and its semisynthetic derivatives. **Indian Journal of Physiology and Pharmacology.** **21(1):** 31-39.
- Gupta, P.C., N. Sharma and C.V. Rao. 2012. Pharmacognostic studies of the leaves and stem of *Careya arborea* Roxb. **Asian Pacific Journal of Tropical Biomedicine.** **2(5):** 404-408.
- Gupta, S., S. Kapur, S. DV and A. Verma. 2015. Garlic. An effective functional food to combat the growing antimicrobial resistance. **Pertanika Journal of Tropical Agricultural Science.** **38(2):** 271-278.

- Gurupriya, S., L. Cathrine and J. Ramesh. 2017. Qualitative and quantitative phytochemical analysis of *Simarouba glauca* leaf extract. **International Journal for Research in Applied Science and Engineering Technology.** **5(11):** 475-479.
- Gutteridge, J.M and B. Halliwell. 1993. Invited review free radicals in disease processes: a compilation of cause and consequence. **Free Radical Research Communication.** **19(3):** 141-158.
- Halliwell, B and J. Gutteridge. 1984. Oxygen toxicity, oxygen radicals, transition metals and disease. **Biochemical Journal.** **219(1):** 1.
- Halliwell, B and M. Whiteman. 2004. Measuring reactive species and oxidative damage I *in vivo* and in cell culture: how should you do it and what do results mean?. **British Journal of Pharmacology.** **142(2):** 231-255.
- Halliwell, B. 1989. Protection against oxidants in biological systems. The superoxide theory of oxygen toxicity. **Free Radicals in Biology and Medicine.** 23-30.
- Hamburger, M and K. Hostettmann, 1991. Bioactivity in plants: The link between phytochemistry and medicine. **Phytochemistry.** **30(12):** 3864-3874.
- Han, X., T. Shen and H. Lou. 2007. Dietary Polyphenols and their biological significance. **International Journal of Molecular Science.** **8:** 950-988.
- Handa, S.S. 1986. Natural products and plants as liver protecting drugs. **Filoterapia.** **57(5):** 307-351.
- Handa, S.S. 2004. Indian efforts for quality control and standardization of herbal drugs/products. In Proceedings of the 1st joint workshop on quality control and standardization of traditional medicine-Indo-China experience. 8-10.
- Handa, S.S., S.P.S. Khanuja, G. Longo and D.D. Rakesh. 2008. Extraction technologies for medicinal and aromatic plants (United Nations Industrial Development Organisation and the International Centre for Science and High Technology). International centre for science and high technology-United Nations Industrial Development Organization, area science park Pardriciano. 99: 34012.

- Haq, F., H. Ahmed and M. Alam. 2011. Traditional uses of medicinal plants of Nandiar khuwarr catchment (District Batlagram) Pakistan. **Journal of Medicinal Plants Research.** **5(1):** 39-48.
- Harasym, J and R. Oledzki. 2014. Effect of fruit and vegetable antioxidants on total antioxidant capacity of blood plasma nutrition. **30(5):** 511-517.
- Harborne, J.B and P.S. Green. 1980. A Chemotaxonomic survey of flavonoids in leaves of the Oleaceae. **Botanical Journal of the Linnean Society.** **81(2):** 155-167.
- Harborne, J.B. 1984. Phytochemical methods: a Guide to modern technique of plant analysis, Chapman and Hall, Newyork.
- Harborne, J.B. 1998. Phytochemical methods, A guide to modern techniques of plant analysis, Springer science and buiseness media. 7-8.
- Hari, N and V.P. Nair. 2018. FTIR spectroscopic analysis of leaf extract in hexane in *Jasminum azoricum* L. **International Journal of Scientific Research in Science and Technology.** **4:** 170-172.
- Harish, B.G., V. Krishna, H.S. Kumar, B.K. Ahamed, R. Sharath and H.K. Swamy. 2008. Wound healing activity and docking of glycogen-synthase kinase-3- $\beta$ -protein with isolated triterpenoid lepeol in rats. **Phytomedicine.** **15(9):** 763-767.
- Hashmi, M.A., A. Khan, M. Hanif, U. Farooq and S. Praveen. 2015. Traditional uses, phytochemistry and pharmacology of *Olea europaea* (Olive). **Evidence-Based complementary.**
- Haslam, E. 1996. Natural polyphenols (Vegetable tannins) as drugs: Possible modes of action. **Journal of Natural Products.** **59(2):** 205-215.
- Hegde, S.V., G.R. Hegde, G.S. Mulgund and V. Upadhyaya. 2014. Pharmacognostic evaluation of leaf and Fruit of *Capsicum frutescens* (Solanaceae). **Pharmacognosy Journal.** **6(3):** 14-22.
- Hegnauer, R. 1969. Chemotaxonomie der Pflanzen Vol. IV. Birkha user verlang, Basel. 231-247.

- Hemila, P and C. Krishnaveni. 2019. Survey of ethno medicinal plants, Nilgiri Biosphere Nature Park at Thuvaipathy, Anaikatti, Coimbatore, Tamilnadu, India. **Plant Archives.** **19(1):** 441-448.
- Hill, A.F. 1952. Economic botany. A textbook of useful plants and plant products. Secondary edition Mcgraw-Hill Book Company. Inc. New York.
- Hingorani, R., J. Deng, J. Elia, C. McIntyre and D. Mittar. 2011. Detection of apoptosis using the BD Annexin V FITC Assay on the BD FACSV erse<sup>TM</sup> System. **BD Bioscience.** **1:** 1-12.
- Hirano, T., K. Oka and M. Akiba. 1989. Antiproliferative effects of synthetic and naturally occurring flavonoids on tumor cells of the human breast carcinoma. Cell lines, ZR-75-1, research communication in chemical pathology and pharmacology. **64(1):** 69-78.
- Hirsch, E.C and S. Hunot. 2009. Neuroinflammation in parkinson's disease; a target for neuroprotection?. **The Lancet Neurology.** **8(4):** 382-397.
- Hitchcock, S., S. Houldscoorth, D. Pryde, N. Thomson and A. Blake. 1998. A tandem radical macrocyclisation-trans annular cyclisation approach towards the taxanes. **Journal of Chemical Society, Perkin transaction.** **1(19):** 3181-3206.
- Ho, P.L., R.W.H. Yung, D.N.C. Tsang, T.L. Que, M. Ho, W.H. Seto, and W.W. Ng. 2001. Increasing resistance of *Streptococcus pneumoniae* to fluoroquinolones; results of a Hong kong multicentre study in 2000. **Journal of Antimicrobial Chemotherapy.** **48(5):** 659-665.
- Hossain, M.A., M.D. Shah and M. Sakari. 2011. Gas chromatography-Mass spectrometry analysis of various organic extracts of *Merremia borneensis* from sabah. **Asian Pacific Journal of Tropical Medicine.** **4(8):** 637-641.
- Hossain, S.J, M. EL-Sayed and H. Aoshima. 2009. Antioxidative and anti- $\alpha$  amylase activities of four wild plants consumed by pastoral nomads in Egypt. **Oriental Pharmacy and Experimental Medicine.** **9(3):** 217-224.
- Humphrey, S.I and D.J. Mckenna. 1997. Herbs and Breast feeding; Breastfeeding Abstracts. **17(2):** 11-12.

- Hussain, I., M. Brust, A.J. Papworth and A.I. Cooper. 2003. Preparation of acrylate stabilized gold and silver hydrosol and gold-polymer composite films. **Langmuir**. **19(11)**: 4831-4835.
- Hussain, T., S. Fareed, H.H. Siddiqui, M. Vijaykumar and C.V. Rao. 2012. Acute and subacute oral toxicity evaluation of *Tephrosia purpurea* extract in rodents. **Asian Pacific Journal of Tropical Disease**. **2(2)**:129-132.
- Ialenti, A., S. Moncanda and M. Di Rosuo. 1992. Endogenous nitric oxide. **British Journal of Pharmacology**. **110(2)**: 701-706.
- Imran, M., M. Imran and S. Khan. 2017. Antibacterial activity of *Syzygium cumini* leaf extracts against multidrug resistant pathogenic bacteria. **Journal of Applied Pharmaceutical Science**. **7(3)**: 168-174.
- Inouye, S.H., T. Nishioka and M. Kaniwa. 1975. Glycoside of *Fraxinus japonica*. **Phytochemistry**. **14**: 304.
- Jaeger, R and E. Cuny. 2016. Terpenoids with special pharmacological significance: a review. **Natural Product Communications**. **11(9)**.
- Jain, C., A. Singh, P. Kumar and K. Gautam. 2014. Anti-diabetic potential of flavonoids and other crude extracts of stem bark of *Mangifera indica* Linn: a comparative study. **Journal of Scientific Innovative Research**. **3(1)**: 21-27.
- Jain, S.K. 1991. Dictionary of Indian folk medicine and ethnobotany, New Delhi, Deep publication. 43.
- James, L.P., P.R. Mayeur and J.A. Hinson. 2003. Acetaminophen-induced hepatotoxicity. **Drug Metabolism and Disposition**. **31**: 1499-1506.
- Janakiraman, N., M. Johnson and S.S. Sahaya. 2012. GC-MS analysis of bioactive constituents of *Peristrophe bicalyculata* (Retz.) Nees (Acanthaceae). **Asian Pacific Journal of Tropical Biomedicine**. **2(1)**: S46-S49.
- Jang, H.D., K.S. Chang, Y.S. Huang, C.L. HSU, S.H. Lee and M.S. Su. 2007. Principal phenolic phytochemicals and antioxidant activities of three Chinese medicinal plants. **Food Chemistry**. **103(3)**: 749-756.

- Jarald, E.E and S.E. Jarald. 2007. A text book of pharmacognosy and phytochemistry (1<sup>st</sup> Edition). CBS publishers and distributors, New Delhi, India. 6.
- Javid, T., M. Adnan, A. Tariq, B. Akhtar, R. Ullah and N.M. Salam. 2015. Antimicrobial activity of three medicinal plants (*Artemisia indica*, *Medicago falcata* and *Tecoma stans*). **African Journal of Traditional Complementary and Alternative Medicine.** 12(3): 91-96.
- Jellin, J.M., P.J. Gregory, F. Batz, K. Hitchens, R. Bonakdar and G.N. Scott. 2003. Pharmacists letter/prescriber's letter natural medicines comprehensive database. Stockton, CA: Therapeutic Research Faculty. 375-376.
- Jhample, S.B., S.B. Gajdhane, P.J. Kasabe, P.K. Bhajwat and P.B. Dandge. 2015. Phytochemical screening and *in vitro* antimicrobial activity of *Tridax procumbens* L. **Research Journal of Life science, Bioinformatics, Pharmaceutical and Chemical Sciences.**
- Ji, M., J. Choi, J. Lee and Y. Lee. 2004. Induction of apoptosis by ar-tumerone on various cell lines. **International Journal of Molecular Medicine.** 14(2): 253-256.
- Johansen, D.A. 1940. Plant Microtechnique, McGraw Hill Book Co. Newyork.
- Johnson, L.A.S. 1957. A review of the family oleaceae contr. New south wales, National Herbarium. 2: 395-418.
- Kabera, J.N., E. Semana, A.R. Mussa and X. He. 2014. Plant secondary metabolites: biosynthesis, classsification function and pharmaceutical properties. **Journal of Pharmacy and Pharmacology.** 2(7): 377-392.
- Kalaivanan, P., I. Sivagnanam and M. Rajamanickam. 2013. Evaluation of wound healing activity of baicalein-7-O-[beta]-D-glucuronide isolated from *Leucas aspera*. **Journal of Applied Pharmaceutical Science.** 3(12): 46.
- Kalaskar, M.G., P.R. Sapkal, A.U. Tatiya, P.D. Jain and S.J. Surana. 2019. Morphoanatomical and physicochemical studies on *Ailanthus excelsa roxb.* stem bark: a tree of heaven. **Journal of Drug Delivery and Therapeutics.** 9(1): 128-131.

- Kam, P.C.A and S. Liew. 2002. Traditional chinese herbal medicine and anaesthesia. **Anaesthesia**. **57(11)**: 1083-1089.
- Kamble, C and N. Gaikwad. 2016. Fourier transform infrared spectroscopic studies in *Embelia ribes* burn.F. a vulnerable medicinal plant. **Asian Journal of Pharmaceutical and Clinical Research**. **9(3)**: 1-47.
- Kamboj, V. 2000. Herbal medicine. **Current Science**. **78(1)**: 35-38.
- Kannahi, M and K. Vinotha. 2013. Antimicrobial activity of *Lawsonia inermis* leaf extracts against some human pathogens. **International Journal of Current Microbiology and Applied Sciences**. **2(5)**: 342-349.
- Kanthal, L.K., A. Dey, K. Satyavathi and P. Bhojaraju. 2014. GC-MS analysis of bio active compounds in methanolic extract of *Lactuca runcinata* DC. **Pharmacognosy Research**. **69(1)**: 58.
- Karthika, C and S. Manivannan. 2018. Pharmacognostic, Physicochemical analysis and Phytochemical screening of the leaves of *Wetrllobata*.L. **International Journal of Chem Tech Research**. **11(02)**: 124-131.
- Karthika, K., K. Thenmozhi, S. Paulsamy and S. Manian. 2014. Quantification of phytochemicals and in vitro antioxidant potential of various solvent extract of certain species of Acanthaceae. **International Journal of Green Pharmacy**. 58-64.
- Kathirvel, A and V. Sujatha. 2012. *In vitro* assessment of antioxidant and antibacterial properties of *Terminalia chebula* Retz. Leaves. **Asian Pacific Journal of Tropical Medicine**. **2(2)**: S788-S795.
- Kathirvel, A and V. Sujatha. 2016. Phytochemical studies antioxidant activities and identification of active compounds using GC-MS of *Dryopteris cochleata* leaves. **Arabian Journal of Chemistry**. **9**: S1435-S1445.
- Kaur, C and H.C. Kapoor. 2002. Anti-oxidant activity and total phenolic content of some Asian vegetables. **International Journal of Food Science and Technology**. **37(2)**: 153-161.

- Kaur, S and P. Mondal. 2014. Study of total phenolics and flavonoid content, antioxidant activity and antimicrobial properties of medicinal plants. **Journal of Microbiology & Experimentation.** 1(1): 5.
- Kavitha, S., P. Lincy, M.J. Kala and V.R. Mohan. 2012. GC-MS analysis of ethanolic extract of *Nothapodytes nimmoniana* (Graham) Mabb. Leaves. **Malaya Journal of Bioscience.** 2(1): 42-49.
- Kaviya, L., S. Kavitha, V. Vishnu priya and R. Gayathri. 2019. *In vitro* study on the antidiabetic effect on Jasmine oil. **Drug Invention Today.** 12(6): 1185-1187.
- Kedar, P and C.H. Chakrabarti. 1902. Effects of bitter gourd. (*Momordica charantia*) seed and glibenclamide in streptocin-induced diabetes mellitus. **Indian Journal of Experimental Biology.** 20: 232-235.
- Keerthana, G., M.K. Kalaivani and A. Sumathi. 2013. *In vitro* alpha amylase inhibitory and antioxidant activities of ethanolic leaf extract of croton bonplandianum. **Asian Journal of Pharmaceutical and Clinical Research.** 6(4): 32-36.
- Kell, D.B., M. Brown, H.M. Davey, W.B. Dunn, I. Spasic and S.G. Oliver. 2005. Metabolic foot printing and systems biology : the medium is the message. **Nature Reviews Microbiology.** 3(7): 557-565
- Khan, M.S., E.F. Mooney and W.I. Stephen. 1968. A structural study of the methyleneiminodiacetic acid derivatives of some 7-hydroxycoumarins. **Analytica chemical Acta.** 43: 153-156.
- Khandelwal, K.R. 2002. Practical Pharmacognosy, Technique and Experiments. Edition 9, Nirali Prakashan, Pune. 1-25.
- Khandelwal, K.R. 2006. Practical pharmacognosy Techniques and experiments. India Nirali Prakashan. 15-163.
- Khushboo, P.S., V.M. Jadhav, V.J. Kadam and N.S. Sathi. 2010. *Psoralea corylifolia* Linn – “Kushtanashini”. **Pharmacognosy Reviews.** 4(7): 69.
- Kiew, R. 1998. Name Changes for Malesian species of *Chionanthus* (Oleaceae). Blumea: Biodiversity, Evolution and Biography of Plants, 43(2): 471-477.

- Kikuchi, M., Y. Yamauchi, C. Yanase and I. NagaokaI. 1987. **Journal of the Pharmaceutical Society of the Japan (Yakugaku Zasshi)**. **107**: 245.
- Kiranmai, M., S.M. Kazim and M. Ibrahim. 2011. Combined wound healing activity of *Gymnema Sylvestre* and *Tagetes erecta* Linn. **International Journal of Pharmaceutical Application**. **2(2)**: 135-140.
- Kirtikar, K.R and B.D. Basu. 1935. Indian Medicinal Plants; M/s. Bishensingh Mahendra Palsingh, Dehradun, pp.1494-96.
- Kirtikar, K.R and B.D. Basu. 1991. In : Indian Medicinal Plants. Vol III, Deharadun: Lalit Mohan Basu.
- Kirtikar, K.R. and B.D. Basu. 2005. Indian medicinal plants vol II, 2<sup>nd</sup> edition. International Book Distributors. New Delhi. 856-860.
- Kirtikara, K.R and B.D. Basu. 2001. An. I.C.S., E. Blatter, J.F. Caius and K.S. Mhaskar. Indian medicinal plants, with illustrations.
- Kiruba, S., M. Mahesh, S.R. Nisha, Z.M. Paul and S. Jeeva. 2011. Phytochemical analysis of the flower extracts of *Rhododendron arboreum* Sm. Ssp. *Nilagiricum* (Zenker) Tagg. **Asian Pacific Journal of Tropical Biomedicine**. **1(2)**: S284-S286.
- Kripa, G., R. Sangeetha and D. Chamundeeswari. 2016. Pharmacognostical and Physicochemical evaluation of the plant *Leucas aspera*. **Asian Journal of Pharmaceutical and Clinical Research**. **9(2)**: 263-268.
- Koca, U., I. Suntar, E.K. Akkoi, D. Yilmazer and M. Alper. 2011. Wound repair potential of *Olea europaea* L., leaf extract revealed by *in vivo* experimental models and comparative evaluation of the extracts antioxidant activity. **Journal of Medicinal Food**. **14(1-2)**: 140-146.
- Koehn, F.E and G.T. Carter. 2005. The evolving role of natural products in drug discovery. **Nature Reviews Drug Discovery**. **4(3)**: 206-220.
- Kokane, D.D., R.Y. More, M.B. Kale, M.N. Nehete, P.C. Mehendale and C.H. Gadgoli. 2009. Evaluation of wound healing activity of root of *Mimosa pudica*. **Journal of Ethnopharmacology**. **124(2)**: 311-315.

- Kokane, D.D., R.Y. More, M.B. Kale, M.N. Nehete, P.C. Mehendale and C.H. Gadgoli. 2009. Evaluation of wound healing activity of root of *Mimosa pudica*. **Journal of Ethnopharmacology.** **124:** 311-315.
- Kokane, C.K. 1994. Practical Pharmacognosy, 4<sup>th</sup> ed, Vallabh prakashan, Delhi, India.
- Kokane, C.K. 2005. A Textbook for Practical Pharmacognosy. 5<sup>th</sup> edn.
- Kokane, C.K., A.P. Purohit and S.B. Gokhale. 2010. Pharmacognosy Nirali Prakashan Pune. Forty fifth Edition. 1-142.
- Kong, F., Y. Qin, Z. Su, Z. Ning and S. Yu. 2018. Optimization of extraction of hypoglycemic ingredients from grape seed and evaluation of  $\alpha$ -glucosidase and  $\alpha$ -amylase inhibitory seffects *in vitro*. **Journal of Food Science.** **83(5):** 1422-1429.
- Kris-Etherton, P.M., K.D. Hecker, A. Bonanome, S.M. Coval, A.E. Binkoski, K.F. Hilpert and T.D. Etherton. 2002. Bioactive compounds in foods: their role in the prevention of cardiovascular disease and cancer. **The American Journal of Medicine.** **113(9):** 71-88.
- Krishnaiah, D., R. Sarbatly and A. Bono. 2007. Phytochemical antioxidants for health and medicine a move towards nature. **Biotechnology and Molecular Biology Reviews.** **2(4):** 97-104.
- Krishnamoorthi, K. 2007. Screening of natural products for anticancer and antidiabetic properties. Health Administrator. 1 & 2: 69-75.
- Kumar, G., L. Karthik and K.V.B. Rao. 2013. Phytochemical composition and *in vitro* antioxidant activity of aqueous extract of *Aerva lanata* (L.) Juss. ex Schult. Stem (Amaranthaceae). **Asian Pacific Journal of Tropical Medicine.** **6(3):** 180-187.
- Kumar, S., V. Kumar and O.M. Prakash. 2011. Microscopic evaluation and physicochemical anlaysis of *Dillenia indica* leaf. **Asian Pacific Journal of Tropical Biomedicine.** **1(5):** 337-340.
- Kumar, S.S., B. Padhan, S.K. Palita and D. Panda. 2016. Plants used against snakebite by tribal people of Koraput district of Odisha, India. **Journal of Medicinal Plant Studies.** **4(60):** 38-42.

- Kumaresan, M., M. Kannan, A. Sankari, C.N. Chandra Sekharan and D. Vasanthi. 2019. Phytochemical screening and antioxidant activity of *Jasminum multiflorum* (Pink Kakada) leaves and flowers. **Journal of Pharmacognosy and Phytochemistry.** **8(3):** 1168-1173.
- Kuri, S., M.M. Billah, S.M. Rana, Z. Naim, Z. Islam, M. Hasanuzzaman and R. Banik. 2014. Phytochemical and in vitro biological investigations of methanolic extracts of *Enhydra fluctuans* Lour. **Asian Pacific Journal of Tropical Biomedicine.** **4(4):** 299-305.
- Kusch, P., S. Deininger, S. Specht, R. Maniako, S. Haubrich, T. Pommerening and A. Kaiser. 2011. *In vitro* and *in vivo* antimalarial activity assays of seeds from *Balanites aegyptiaca*: compounds of extracts shows growth inhibition and activity against plasmodial aminopeptidase. **Journal of Parasitology Research.**
- Ladecola, C and J. Anrather. 2011. The immunology of stroke: from mechanisms to translation. **Nature Medicine.** **17(7):** 796-808.
- Laha, M., A. Mulu, S.M. Ahay, W. Ergete and B. Geleta. 2019. Acute and Subacute toxicity of methanol extract of *Syzygium guineense* leaves on the histology, of the liver and kidney and biochemical composition of blood in rats. **Evidence Based Complementary and Alternative Medicine.**
- Lahlou, M. 2013. The success of natural products in drug discovery. **Journal of Pharmacy and Pharmacology.** **4(1):** 17-31.
- Lakshmi, M., B.R. Nair and C.P. PK. 2012. Pharmacognostic evaluation and Phytochemical analysis of bark and leaves of *Terminalia travancorensis* wight & Arn. (Combretaceae). **Journal of Pharmacy Research.** **5(4):** 1998-1991.
- Lawal, B., O.K. Shittu, F.I. Oibiokpa, H. Mohammed, S.I. Umar and G.M. Haruma. 2016. Antimicrobial evaluation, acute and sub-acute toxicity studies of *Allium sativum*. **Journal of Acute Disease.** **5(4):** 296-301.
- Lee, E.H and Y.J. Cho. 2018. Inhibitory activities of phenolic compounds isolated from *Chionanthus retusa* flower on biological enzymes. **Korean Journal of Food Preservation.** **25(1):** 117-123.

- Lee, O.H., B. Lee, Y.C. Kim, K. Shetty and Y.C. Kim. 2008. Radical scavenging linked antioxidant activity of ethanolic extracts of diverse types of extra virgin olive oils. **Journal of Food Science**, **73(7)**: C519-C525.
- Lee, Y.K. 2009. Activation of apoptic protein in UP37cells by a component of Turmeric oil BMP reports. **42(2)**: 92-100.
- Leelavathi, P and N. Ramayya. 1983. Structure, distribution and classification of plant trichomes in relation to taxonomy, Caesalpinoideae. **Indian Journal of Forestry**. **6**: 43-56.
- Li, Y., S. Wen, B.P. Kota, G. Peng, G.Q. Li, J. Yamahara and B.D. Roufogalis. 2005. *Punica granatum* flower extract, a potent  $\alpha$ -glucosidase inhibitor, improves postprandial hyperglycemia in zucker diabetic fatty rats. **Journal of Ethnopharmacology**. **99(2)**: 239-244.
- Li, Z.Y., Y. Wang, W.T. Shen and P. Zhou. 2012. Content determination of benzyl glucosinolate and anti-cancer activity of its hydrolysis product in *Carica papaya* L. **Asian Pacific Journal of Tropical Medicine**. **5(3)**: 231-233.
- Lins, P.G., S.M.P. Pugine, A.M. Scatolini and M.P. De Melo. 2018. *In vitro* antioxidant activity of Olive leaf extract (*Olea europaea* L.) and its protective effect on oxidative damage in human erythrocytes and Heliyon. **4(9)**: 00805.
- Liu, F and T.B. Ng. 2000. Antioxidative and free radical scavenging activities of selected medicinal herbs. **Life Sciences**. **66(8)**: 725-735.
- Liu, S., Z. Zhang and M. Han. 2015. Gram-scale synthesis and biofunctionalization of silica-coated silver nanoparticles for fast colorimetric DNA detection. **Analytical Chemistry**. **77(8)**: 2595-2600.
- Lockyer, S., P. Yaqoob, J.P.E. Spencer and I. Rowland. 2012. Olive leaf phenolics and cardiovascular risk reduction physiological effects and mechanisms of action. **Nutrition and Ageing**. **1(2)**: 125-140.
- Lodhi, G., H.E.M.A.N.T. Kumar singh, K.K. Pant and Z. Hussain. 2009. Hepato protective effect of *Calotropis gigantea* extract against Carbon tetrachloride induced liver injury in rats. **Acta Pharmaceutica**. **59(1)**: 89-96.

- Lombardi, J.A. 2006. *Chionanthus greenii* (Oleaceae), a new species from Minas Gerais, Brazil. Kew Bulletin. 179-182.
- Lopra, R.N., I.C. Chopra, K.L. Handa and L.D. Kapur. 1958. Indigenous drugs of India, Second edition UN Dhar and Sons, Calcutta, India. 408.
- Lu, H.F., C.G. Cheng, X. Tang and Z.H. Hu. 2004. FTIR spectrum of *Hypericum* and *Triadenum* with reference to their identification. Acta botanica sinica-english edition. 46(4): 401-406.
- Luna, L.G. 1999. Manual in histology and staining method. Mc Graw Hill: Newyork. 96.
- Mabona, U., A. Viljoen, E. Shikanga, A. Marston and S. Van Vuuren. 2013. Antimicrobial activity of Southern African medicinal plants with dermatological relevance: from an ethnopharmacological screening approach, to combination studies and the isolation of a bioactive compound. **Journal of Ethnopharmacology.** 148(1): 45-55.
- Maddi, R., V. Lakshmi, V.L. Kandula, B. Vallepu, H. Navuluri and H. Kollu. 2018. Preliminary phytochemical analysis and *in vitro* antiviral activity of ethanolic extract of whole plant of *Tinospora cordifolia* (Thumb.) Miers against Hepatitis – A Virus. **International Journal of Scientific Research in Biological Sciences.** 5(3): 51-55.
- Madhuri, S and G. Pandey. 2009. Some anticancer medicinal plants of foreign origin. **Current Science:** 779-783.
- Mahakunakorn, P., M. Tohda, Y. Murakami, K. Matsumoto and H. Watanabe. 2003. Antioxidant and free radical – scavenging activity of Choto-san and its related constituents. **Biological and Pharmaceutical Bulletin.** 27(1): 38-46.
- Mak, Y.W., L.O. Chuah, R. Ahmad and R. Bhat 2013. Antioxidant and antibacterial activities of *Hibiscus* (*Hibiscus rosa-sinensis* L.) and *Cassia* (*Senna bicapsularis* L.) flower extracts. **Journal of King University-Science.** 25(5): 275-282.

- Makowska-Was, J., A. Galanty, J. Gdula-Argasinska, M. Tyszka-Czochara, A. Szewczyk, R. Nunes and P. Pasko. 2017. Identification of predominant phytochemical compounds and cytotoxic activity of wild olive leaves (*Olea europaea* L. ssp, *sylvestris*) harvested in south Portugal chemistry & biodiversity. 14(3): e1600331.
- Makkar, H.P.S and K. Becker. 1998. Do tannins in leaves of trees and shrubs from African and Himalayan regions differ in level and activity?. **Agroforestry Systems**. **40**(1): 59-68.
- Malati, G and A.P.G. Pillai. 2004. Microscopic profile of powdered drugs used in Indian system of medicine in leaf drugs. Institute of Ayurvedic Medicinal Plant Sciences Jamnagar. 2.
- Malik, S.N. 2015. Antibacterial activity of olive (*Olea europaea*) leaves and arugula (*Eruca sativa*) seeds extract. **International Journal of Pharmacognosy and Phytochemical Research**. **7**(2): 307-310.
- Manilal, K.S and M. Remesh. 2010. An analysis of the data on the medicinal plants recorded in hortus malabaricus. **Samaricus. Samagra**. **(6)**: 24-70.
- Manjula, G and T. Chitra. 2017. Studies on qualitative phytochemical analysis of plants *Calotropis gigantea* and *Curcuma neilgherrensis*. **World Journal of Pharmacy and Pharmaceutical Sciences**. **6**(3): 542-556.
- Mapunya, M.B. 2010. Mushroom tyrosinase activity of novel and known phenolic compounds isolated from *Greyia flanaganii* (Bolus) Doctoral dissertation, University of Pretoria.
- Maregesi, S.M., L. Pieters., O.D.N. Gassapa, S. Apers, R. Vingerhoets, P. Cos, .....and A.J. Vlietinck. 2008. Screening of some Tanzanian medicinal plants from Bunda district for antibacterial, antifungal and antiviral activities. **Journal of Ethnopharmacology**. **119**(1): 58-66.
- Marimuthu, R and S. Walker. 2010. Report on the Kabul Zoo officer training visit to india. Zoos print. 25(2): 11-16.

- Marion, F., J. Coulomb, A. Servais, C. Courillon, L. Fensterbank and M. Malacria. 2006. Radical cascade cyclizations and platinum (II) catalyzed cyclo isomerizations and platinum (II) catalyzed cycloisomerizations of Ynamides. **62**: 3856-3871.
- Mariswamy, Y., W.E. Gnanaraj and J.M. Antonisamy. 2012. FTIR spectroscopic studies on *Aerva lanata* (L.) Juss, Ex schult. **Asian Journal of Pharmaceutical and Clinical Research. 5(2)**: 82-86.
- Marles, R.J and N.R. Farnsworth. 1995. Antidiabetic plants and their active constituents. **Phytomedicine. 2(2)**: 137-189.
- Mathur, A and H. Joshi. 2013. Ethnobotanical studies of the Tarai region of kumaun. Uttarakhand, India. **Ethnobotany Research and Applications. 11**: 174-203.
- Matkowski, A. 2006. Plant phenolic metabolites as antioxidants and mutagenesis inhibitors. Cell biology and instrumentation: UV radiation, nitric oxide and cell death in plants. **371**: 129-148.
- Maver.T., P.U. Maver, K. Stana Kleinschek, D.M. Smrke and S. Kreft. 2015. A review of herbal medicined in wound healing. **International Journal of Dermatology. 4(7)**: 740-751.
- Meagher, E and C. Thomson. 1999. Vitamin and Mineral Therapy. In Medical Nutrition and Disease, 2nd Edition, Morrison G and Hark L, Malden, Massachusetts: Blackwell Science Inc. 33-58.
- Meenakshi, N., B. Sarath Babu and S. Pavan kumar. 2014. Analysis of the Arsenic in commonly used medicinal Plants. **International Journal of Ayurveda and Pharma Research. 2(1)**: 77-83.
- Mehmood, A and G. Murtaza. 2018. Phenolic contents, antimicrobial and antioxidant activity of *Olea ferruginea* Royle (Oleaceae). **BMC Complementary and Alternative Medicine. 18(1)**: 1-6.
- Mendoza, L., M. Wilkens and A. Urzua. 1997. Antbacterial study of the resinous exudates and of diterpenoids and flavonoids isolated from some *Chilean pseudognaphalium* (Asteraceae). **Journal of Ethnopharmacology. 58(2)**: 85-88.

- Miller, M.J., H.A.L.I.N.A. Chotinaruemol, S.O.M.P.O.R.N.J.L. Kakkis and D.A. Clark. 1993. Amelioratioon of chronic ileitis by nitric oxide synthase inhibition. **Journal of Pharrmacology and Experimental Therapeutics.** **264(1):** 11-16.
- Miller, N.J and C.A. Rice-Evans. 1997. Factors influencing the antioxidant activity determined by the ABTS + radical cation assay. **Free Radical Research.** **26(3):** 95-199.
- Miller, N.J., C. Rice-Evans, M.J. Davies, V. Gopinathan and A. Milner. 1993. A novel method for measuring antioxidant capacity and its application to monitoring the antioxidant status in premature neonates. **Clinical Sciences.** **84(4):** 407-412.
- Milne, S.T and K.B. Newman. 1995. Acute asthma exacerbations: Strategy for early assessment and aggressive management consultant. **35(12):** 1787-1794.
- Moreillon, P., G. Que and M.P. Glauser. 2005. *Staphylococcus aureus*. Principles and practice of infectious disease. Elsevier Churchill Livingstone, Philadelphia, PA. 2321-2351.
- Mosmann, T. 1983. Rapid colorimetric assay for cellular growth and survival application to proliferation and cytotoxicity assays. **Journal of Immunological Methods.** **65(1-2):** 55-63.
- Murugesan, Amutha and S. Rani. 2014. GC-MS analysis of bioactive components of *Cordial retusa*, Hygeia. **Journal of Drugs and Medicines.** **6(1):** 12-19.
- Mythili, K., U.C. Reddy, D. Chamundeeswari and P.K. Manna. 2013. GC-MS analysis of phytocomponents and *in vitro* inhibitory effect of *Calanthe triplicate*. **Journal of Natural Products.** **6:** 141-146.
- Nadkarni, K.M. 1976. Indian Materia Medica. Vol.1. Bombay popular prakashan, Bombay. 857.
- Nadkarni, K.M. 2004. Medicinal plants of India. Dehradun: Reprint Prakashan. 87.
- Nagarajan, D and T.R. Kumar. 2017. Fourier transform infrared spectroscopy analysis of garlic (*Allium*). **International Journal of Zoology Studies.** **2(6):** 11-14.
- Narayanan, R.M.K., M.K. Nandakumar, C.N. Sunil and K.A. Balakrishnan. 2018. Rare endemic and threatened plants of western ghats first edition illustration horticol. 1:194.

- Narendhran, S and R. Sivaraj, 2015. Fourier transform infrared spectroscopy analysis of phytochemical constituent of various solvent extracts from *Lantana aculeate* L. and its antibacterial activity. **International Journal of Current Research.** **7(7):** 18177-18180.
- Narkhede, M.B., P.V. Ajimire, P.V. Wagh, M. Mohan and A.T. Shirashamugam. 2011. *In vitro* antidiabetic activity of *Caesalpinia digyna* (R.) methanol root extract. **Asian Journal of Plant Science and Research.** **1(2):** 101-106.
- Nassar, Z.D., A.F.A. Aisha and A.M.S.A. Majid, C.S. Yeap and H.K. Fun. 2010. Koetjapic acid chloroform hemisolvate. *Acta Crystallographica Section E. Structure Reports Online.* **66:** o1301-o1302.
- Naumann, A., L. Kurtze, L. Krashmer, H. Hagels and H. Schutz. 2014. Discrimination of solanaceae Taxa and quantification of Scopolamine and hyoscyamine by ATR-FTIR Spectroscopy. **Planta Medica.** **80(15):** 1315-1320.
- Nayak, B.S and K. Mohan. 2007. Short communication influence of ethanolic extract of *Jasminum grandiflorum* Linn. flower on wound healing activity in rats. **Indian Journal of Physiology and Pharmacology.** **51(2):** 189-194.
- Nayak, B.S and K.N. Patel. 2010. Physicochemical characterization of seed and seed oil of *Jatropha curcas* L. collected from Bardoli (South Gujarat). **Sains Malaysiana.** **39(6):** 951-955.
- Nazzaro, F., F. Fratianni, L. De Martino, R. Coppola and V. De feo. 2013. **Effect of essential oils on Pathogenic Bacteria Pharmaceuticals.** **6(12):**1451-1474.
- Newman, D.J and G.M. Cragg. 2016. Natural products as sources of new drugs from 1981 to 2014. **Journal of Natural Products.** **79930:** 629-661.
- Newman, D.J and G.M. Cragg. 2007. Natural products as sources of new drugs over the last 25 years. **Journal of Natural Products.** **70(3):** 461-477.
- Nishimiki, M., N.A. Rao and K. Yagi. 1972. The occurrence of superoxide anions in the reaction of reduced phenazine methosulfate and molecular oxygen. **Biochemical and Biophysical Research Communication.** **46:** 849-853.

- Nostro, A., M.P.D. Germano, V. Angelo, A. Marino and M.A. Cannatelli. 2000. Extraction methods and bioautography for evaluation of medicinal plant antimicrobial activity. **Letters in Applied Microbiology.** **30(5):** 379-384.
- Obied, H.K., P.D. Prenzler, D. Ryan, M. Servili, A. Taticchi, S. Esposto and K. Robards. 2008. Biosynthesis and biotransformation of phenol-conjugated oleosidic secoiridoids from *Olea europaea* L. **Natural Product Reports.** **25(6):** 1167-1179.
- Odugbemi, T. 2008. Outlines and pictures of medicinal plants from Nigeria. Tolu Odugbemi.
- Ogunlesi, M., W. Okier, E. Ofor and A.E. Osibote. 2009. Analysis of the essential oil from the dried leaves of *Euphorbia hirta* Linn (Euphorbiaceae), a potential medication for asthma. **African Journal of Biotechnology.** **8(24):** 7042-7050.
- Oja, O.O and O. Ladeji. 2005. Hepatoprotective and antioxidant effects of *Camellia sinensis* (Black tea) in rats. **African Journal of Biotechnology.** **4:** 1432-1438.
- Okeke, I.N., R. Laxminarayan, Z.A. Bhutta, A.G. Duse, P. Jenkins, T.F. O'Brien ..... and K.P. Klugman. 2005. Antimicrobial resistance in developing countries. Part I: Recent trends and current status. **The Lancet Infectious Disease.** **5(8):** 481-493.
- Oksana, S., B. Marion, R. Mahendra and S.H. Bo. 2012. Plant phenolic compounds for food, pharmaceutical and cosmetic production. **Journal of Medicinal Plant Research.** **6(13):** 2526-2539.
- Okuda, M., Y. Kobayashi, K. Suzuki, K. Sonoda, T. Kondoh, A. Wagawa..... and H. Yoshimura. 2005. Self organized inorganic nanoparticle assays on protein lattices. **Nano Letters.** **5(5):** 991-993.
- Okwu, D.E and M.E. Okwu. 2004. Chemical composition of *Spondias mombin* Linn plant parts. **Journal of Sustainable Agricultural and the Environment.** **6(2):** 140-147.
- Okwu, D.E. 1999. Flavouring properties of spices on cassava fufu. **African Journal of Root and Tuber Crops.** **3:** 18-20.
- Okwu, D.E. 2001. Evaluation of chemical composition of indigenous species and flavouring agents. **Global Journal of Pure and Applied Sciences.** **7(3):** 455-460.

- Oliver, G.J. 1986. Opportunities for using fewer animals in acute toxicity studies. In: Chemicals Testing and Animal Welfare. Solna, Sweden: The National Chemicals Inspectorate. 119-142.
- Olurinola, P.F. 1996. A laboratory manual of pharmaceutical microbiology, Idu, Abuja, Nigeria. **69**: 1-05.
- Orhan, I.E. 2012. *Centella asiatica* (L.) Urban : from traditional medicine to modern medicine with neuroprotective potential. **Evidence Based Complementary and Alternative Medicine.**
- Osagie, A.U and O.U. Eka. 1998. Mineral elements in plant foods. Nutritional quality of plant foods. Ambik press. Benin city, Edo state, Nigeria. 8: 14-43.
- Ozbek, H., S. Ugra, I. Bayram, I. Uggan, E. Erdogan, A. Ozturk and Z. Hugut. 2004. Hepatoprotective effect of *Foeniculum vulgare* essential oil. A Carbon-tetrachloride induced liver fibrosis model in rats. **Scandinavian Journal of Laboratory Animal Sciences. 31(1)**: 9-17.
- Parekh, J and S. Chanda. 2006. *In-vitro* antimicrobial activities of extracts of *Launaea procumbens* roxb (labiateae). *Vitis vinifera* (Vitaceae) and *Cyperus rotundus* L (Cyperaceae). **African Journal of Biomedical Research. 9(2)**.
- Parekh, J and S. Chanda. 2007. Antibacterial and phytochemical studies on twelve species of Indian medicinal plants. **African Journal of Biomedical Research. 10(2)**.
- Paarakh, P.M., J.P.N. Chansouria and R.L. Khosa. 2009. Wound healing activity of *Annona muricata* extract. **Journal of Pharmacy Research. 2(3)**: 404-406.
- Packia Lekshmi, N.C.J., S. Viveka, S. Jeeva and J. Raja Brindha. 2015. Antimicrobial spectrum of *Allium* species- a review. **History. 15(44)**: 1-5.
- Padalia, H and S. Chanda. 2015. Antimicrobial efficacy of different solvent extract of *Tagetes erecta* L. flower, alone and in combination with antibiotics. **Applied Microbiology. 1(1)**: 1-10.

- Padma, M., S. Ganesan, T. Jayaseelan, S. Azhagumadhavan, P. Sasikala, S. Senthilkumar and P. Mani. 2019. Phytochemical screening and GC-MS analysis of bioactive compounds present in ethanolic leaves extract of *Silybum marianum* (L). **Journal of Drug Delivery and Therapeutic.** **9(1):** 85-89.
- Palanivel, M.G., B. Rajkapoor, R.S. Kumar, J.W. Einstein, E.P. Kumar, M.R. Kumar and B. Jayakumar. 2008. Hepatoprotective and antioxidant effect of *Pisonia aculeata* L. against CCl<sub>4</sub>-induced hepatic damage in rats. **Scientia Pharmaceutica.** **76(2):** 203-216.
- Pan, S.Y., S.F. Zhou, S.H. Gao, Z.L. Yu, S.F. Zhang, M.K. Tang and K.M. Ko. 2013. New perspectives on how to discover drugs from herbal medicines: CAM's outstanding contribution to modern therapeutics. **Evidence-Based Complementary and Alternative Medicine.** 1-2.
- Patel Rajesh, M and Patel Natvar, J. 2011. *In vitro* antioxidant activity of coumarin compounds by DPPH, Super oxide and Nitric oxide free radical scavenging methods. **Journal of Advanced Pharmacy Education & Research.** **1:** 52-68.
- Pandit, N., R.K. Singla and B. Shrivastava. 2012. Current updates on oxazolidinone and its significance. **International Journal of Medicinal Chemistry.** 1-24.
- Pandya, D.J., V.L. Patel, T.R. Desai., R.R. Lunaguriya, S.D. Gajera and A.J. Mehta. 2012. Pharmacognostic and phytochemical evaluation of leaves *Cassia fistula*. **International Journal of Pharmacy & Life Sciences.** **3(2):** 1424-1429.
- Park, S., J. Bae, B.H. Nam and K.Y. Yoo. 2008. Aetiology of cancer in Asia. **Asian Pacific Journal of Cancer Prevention.** **9(3):** 371-380.
- Patel, M.B and S.M. Mishra. 2012. Magnoflorine from *Tinospora cordifolia* stem inhibits  $\alpha$ -glucosidase and its antglycemic in rats. **Journal of Functional Foods.** **4(1):** 79-86.
- Patel, S and M. Zaveri. 2011. Pharmacognostic study of the root of *Justicia gendarussa*. Burm. **Journal of Traditional and Complementary Medicine.** **6(2):** 61-72.
- Patel, V.R., P.R. Patel and S.S. Kajal. 2010. Antioxidant activity of some selected medicinal plants in western region of India. **Advances in Biological Research.** **4(1):** 23-26.

- Pattenden, G., M.A. Gonzalez, S. McCulloch, A. Walter and S.J. Woodhead. 2004. A total synthesis of estrone based on a novel cascade of radical cyclization, *proceedings of the National Academy of Sciences*. 101(33): 12024-12029
- Payne, J.W., K.J. Barrett-Bee and D.A. Shallow. 1991. Peptide substrates rapidly modulate expression of dipeptide and oligopeptide permeases in *Candida albicans*. **FEMS Microbiology Letters**. 79(1): 15-20.
- Paz-Alberto, A.M and C. Tamayo-Galvez. 2004. Handbook on trees. Quezon city: Rex Book store Inc. 106.
- Perfetti, R., P.S. Barnetti, R. Mathur and J.M. Egan. 1998. Novel therapeutic strategies for the treatment of type 2 diabetes. **Diabetes 1 metabolism reviews**. 14(3): 207-225.
- Perrin, R.J., A.M. Fagan and D.M. Holtzman. 2009. Multimodal techniques for diagnosis and prognosis of Alzheimer's disease. **Nature**. 461(7266): 916-922.
- Pieme, L.A., V.N.N. Penlop, B. Kegoum, P.L.L. Taziebou, E.M. Tekwu, F.X. Etoa and J. Ngongang. 2006. Evaluation of acute and subacute toxicities of aqueous ethanolic extract of leaves of *Senna alata* (L.) Roxb (Caesalpiniaceae). **African Journal of Biotechnology**. 5(3): 283-289.
- Pimple, B.P., A.N. Patel, P.V. Kadsam and M.J. Patil. 2012. Microscopic evaluation and physicochemical analysis of *Origanum majorana* Linn. leaves. **Asian Pacific Journal of Tropical Disease**. 2(2): S897-S903.
- Pius, O.L., P. Sujanapal and P.S. Udayan. 2015. Diversity inventory and conservation of endemic and threatened medicinal plants malapuram district. Kerala. **Annals of Plant Sciences**. 4(03): 1-9.
- Polt, R.L. 1995. Method for making amino acid glycosides and glycopeptides. U.S. Patent No 5, 470, 949. Washinton, DC: Patent and Trademark office.
- Pongprayoon, U., P. Baeckstrom, U. Jacobsson, M. Lindstrom and L. Bohlin. 1992. Antispasmodic activity of β-damascenone and E-phytol isolated from ipomoea pescaprae. **Planta Medica**. 58(01): 19-21.

- Potterat, O. 1997. Antioxidant and free radical scavengers of natural origin. **Current Organic Chemistry.** **1(4):** 415-440.
- Pourmorael, F., S.J. Hosseiniemehr and N. Shahabimajd. 2006. Antioxidant activity, phenol and flavonoid contents of some selected Iranian medicinal plants. **African Journal of Biotechnology.** **5(11): 1142-1145.**
- Pourra, H., J. Le and M.N. Boustang. 1954. Ursolic acid: distribution of ursolic acid in Oleaceae. **Annales Pharmaceutiques Francaise.** **12:** 59-62.
- Prabhu, K., S. Shankarlal, E. Natarajan and A.M. Sadiq. 2011. Antimicrobial and antioxidant activity of methanolic extract of *Eclipta alba*. **Advances in Biological Research.** **5:** 237-240.
- Prakash, S., S. Gautam and A. Jain. 2011. Phytochemical screening of selected medicinal plants used in skin diseases. **International Journal of Pharmaceutical Sciences.** **3(2):** 1402-1406.
- Prieto, P., M. Pineda and M. Aguilar. 1999. Spectrometric quantitative of antioxidant capacity through the formation of a Phosphomolybdenum complex. Specific application to the determination of vitamin E. **Analytical Biochemistry.** **269(2):** 337-341.
- Priya, P.V., K. Radhika, R. Siva Kumar, M. Sri Ramachandran, Y. Prameela Devi and A. Srinivas Rao. 2011a. Evaluation of anticancer activity of *Tridax procumbens* flower extracts on PC3 cell lines. **Pharmanest.** **2:** 28-30.
- Priya, P.V., K. Radhika, R. Sivakumar, B. Boje Gowda, B. Syed sultan, Y. Prameela Devi, *et al.*, 2011b. *In vitro* anticancer activity of aqueous and acetone extracts of *Tridax procumbens* leaf on PC3 cell lines. **International Journal of Pharmacy and Pharmaceutical Science.** **3:** 1-4.
- Prohp, T.P and I.O. Onoaybe. 2012. Determination of phytochemical composition of stem bark of *Triplochiton scleroxylon* K. (Schum) (Sterculiaceae). **International Journal of Applied biology and Pharmaceutical Technology.** **3(2):** 68-76.
- Pullaiah, T. 2006. Biodiversity in India. Regency Publications, New Delhi. 4: 281-282.

- Qureshi, M.N., M. Siddique, I.U.R. Kanwal and F. Kanwal. 2011. Analytical characterization of fattyacids composition of *Datura alba* seed oil by gas chromatography mass spectrometry. **Journal of the Chinese Chemical Society.** **58(2):** 236-240.
- Rahman, M.A. and M.S. Islam. 2013. Antioxidant, antibacterial and cytotoxic effects of the phytochemicals of whole *Leucas aspera* extract. **Asian Pacific Journal of Tropical Biomedicine.** **3(4):** 273-279.
- Rahman, M.A., M.S. Hassain, M.A. Hossain and N.N. Biswas. 2011. Analgesic and cytotoxic activities of Jasminum sambac (L.) Aiton. **Pharmacologyonline.** **1:** 124-131.
- Rahmat, A., R. Rosli, W.N.I.W.M. Zain, S. Endrini and H.A. Sani. 2002. Antiproliferative activity of pure lycopene compared to both extracted lycopene and juices from watermelon (*Citrullus vulgaris*) and papaya (*Carica papaya*) on human breast and liver cancer cell lines. **Journal of Medical Sciences.** **2(2):** 55-58.
- Raja sekaran, P.E. 2001. Medicinal plant sector in India. 23-31.
- Raja, R.D.A., S. Jeeva, J.W. Prakash, J.M. Antonisamy and V. Irudayaraj. 2011. Antibacterial activity selected ethnomedicinal plants from South India. **Asian Pacific Journal of Tropical Medicine.** **4(5):** 375-378.
- Rajan, S., T.T. Sundari and S. Jeeva. 2011. Anti-enteric bacterial activity and phytochemical analysis of the seed kernel extract of *Mangifera indica* Linnaeus against *Shigella dysenteriae* (Shiga, corrig). Castellani and Chalmers. **Asian Pacific Journal of Tropical Medicine.** **4(4):** 294-300.
- Rajendiran, K., D. Sowmiya and S.J. Sudha. 2014. Allelopathy and cytotoxicity of aqueous extracts of *Lantana camara* L. on *Zea mays* L. Var. Cauvery-244. **International Journal of Food, Agriculture and Veterinary Sciences.** **4(1):** 165-171.

- Rajkumari, J., C.M. Magdalane, B. Siddhardha, J. Madhavan, G. Ramalingam, N.A. Al-Dhabi., and K. Kaviyarasu. 2019. Synthesis of titanium oxide nanoparticles using *Aloe barbadensis* mill and evaluation of its antibiofilm potential against *Pseudomonas aeruginosa* PAO1. **Journal of Photochemistry and Photobiology B: Biology.** **201:** 111667.
- Raju, R., A. Deepa, P. Vanathi and D. Vidhya. 2017. Screening for Phytochemicals and FT-IR analysis of *Myristica dactyloides* fruit extracts. **International Journal of Pharmacy and Pharmaceuticals Sciences.** **9(1):** 315-318.
- Ramachandran, B., M. Kamaraj, V. Subramani and J.J. Jeyakumar. 2014. Screening of phytochemistry and secondary metabolites. A case study on *Nyctanthes arbortristis*. **International Journal of Pharma Research and Review.** **31(3):** 7-11.
- Ramakrishna, Y., A.I. Manohor, P. Mamata and K.G. Shreekant. 1984. Plants and novel antitumor agents. **A Review Indian Drugs.** **21(1):** 173-185.
- Ramellini, G and J. Meldolesi. 1976. Liver protection by silymarin *in vitro* effect on dissociated rat hepatocytes. **Drug Research.** **26(1):** 69-73.
- Ramirez, R.O and C.C. Roa Jr. 2003. The gastroprotective effect of tannins extracted from duhat (*Syzygium cumini* Skeels) bark on HCl/ethanol induced gastric mucosal injury in Sprague-Dawley rats. **Clinical Hemorheology and Microcirculation.** **29(3, 4):** 253-261.
- Ramsey, S.D., K. Newton, D. Blough, D.K. Mcculloch, N. Sandhu, C.E. Reiber and E.H. Wagner. 1999. Incidence, outcomes and cost of food ulcers in patients with diabetes. **Diabetes Care.** **382-387.**
- Rang, H.P., M. Dale and J. Ritter. 2001. Pharmacology, 4<sup>th</sup> ed. (USA ed). New York, Churchill Livingstone.
- Rao, A.V and M.K. Sung. 1995. Saponins as anticarcinogens. **The Journal of Nutrition.** **125(3):** 717S-724S.
- Rao, G.M.M., P. Pushpangadan and A. Shirwikarm. 2005. Hepatoprotective activity of *Nelumbo nucifera* Gearntn. Flower: an Ethnopharmacological study. **Acta Pharmaceutica Turcica.** **47:** 79-88(2005).

- Rao, R.S and N. Ramayya. 1987. Trichome type and their taxonomic importance in the Tiliaceae. **Indian Journal of Botany.** **10:** 65-73.
- Rao, S and M.R. Rao. 1914. Flowering plants of Travancore. 163.
- Rao, S.V., M.A. Raju and J. Kammakashmma. 2013. Phytochemical screening and antioxidant activity of bark extract of *Chionanthus zeylanica* linn., as an important medicinal plant in eastern ghats. **International Journal of Drug Development & Research.** **5(2):** 311-316.
- Raphael, K.R., M.C. Sabu and R. Kuttan. 2002. Hypoglycemic effect of methanol extract of *Phyllanthus amarus* Schum and Thonn on alloxan induced diabetic mellitus rats and its relation with antioxidant potential.
- Rasmussen, C.B., J.K. Glisson and D.S. Minor. 2012. Dietary supplements and hypertension potential benefits and precautions. **The Journal of Clinical Hypertension.** **14(7):** 467-471.
- Rathee, J.S., S.A. Hassarajani and S. Chattopadhyay. 2007. Antioxidant activity of *Nyctanthes arbor-tristis* leaf extract. **Food Chemistry.** **103(4):** 1350-1357.
- Rathi Sre, P.R., T. Sheila and M. Kandasamy. 2012. Phytochemical screening and “*in vitro*” antioxidant activity of methanolic root extract of *Erythrina indica*. **Asian Pacific Journal of Tropical Biomedicine.** **S1696-1700.**
- Ravikumar, K., P.K. Ved, R. Vijaya sankar and P.S. Udayan. 2000. 100 Red listed medicinal plants of conservation concern in southern India.
- Ravikumar, V.R., V. Gopal and T. Sudha. 2012. Analysis of phytochemical constituents of stem bark extracts of *Zanthoxylum tetraspermum* wight & Arn. **Research Journal of Pharmaceutical, Biological and Chemical Sciences.** **3(4):** 391-402.
- Redrigues, F., F.B. Pimentel and M.B.P. Oliveira. 2015. Olive by products challenge application in cosmetic industry. **Industrial Crops and Products.** **70:** 116-124.
- Reed, J.D., H. Soller and A. Woodward. 1990. Fodder tree and straw diets for sheep intake growth, digestibility and the effects of phenolics on nitrogen utilization animal feed science and technology. **30:** 39-50.

- Repetto, G., A. Del peso, P. Sanz and M. Repetto. 2001. *In vitro* effects of lithium and nickel at different levels on Neuro 2a mouse. Neuroblastoma cells. **Toxicology in Vitro.** **15(4-5):** 363-368.
- Rhodes, C., M. Thomas, J. Athis, B. Ballantyne, T. Marrs and P. Turner. 1993. Principles of testing for acute toxic effects. Stockton press, New York, NY(USA).
- Robertson, D.G. 2005. Metabonomics in toxicology: a review. **Toxicological Sciences.** **85(2):** 809-822.
- Rohwer, J.G. 1996. Die frucht-und Samenstrukturen der Oleaceae, Bibliotheca Botanica. 148: 1-77.
- Ross, R. 1999. Atherosclerosis-an inflammatory disease. **New England Journal of Medicine.** **340(2):** 115-126.
- Ross, I.A., 2005. Medicinal plants of the world, chemical constituents traditional and modern medicinal uses. Humana Press Totowa, New Jersey. 3: 373-381.
- Rubin, R., D.S. Strayer and E. Rubin, 2008. Rubin's pathology. Clinicopathologic foundations of medicine. Lippincott Williams & Wilkins.
- Rubinstein, L.V., R.H. Shoemaker, K.D. Paull, R.M. Simon, S. Tosini, P. Skehan, and M.R. Boyd. 1990. Comparison of *in vitro* anticancer-drug-screening data generated with a tetrazolium assay versus a protein assay against a diverse panel of human tumor cell lines. **JNCI: Journal of the National Cancer Institute.** **82(13):** 1113-1117.
- Ruch, R.J., S.J. Cheng and J.E. Klaunig. 1989. Prevention of cytotoxicity and inhibition of intercellular communication by antioxidant catsechina isolated from Chinese green tea. **Carcinogenesis.** **10(6):** 1003-1008.
- Ruiz-Ruiz, J.C., A.J. Matus-Basto, P. Acereto-Escoffie and M.R. Segura-compos. 2017. Antioxidant and anti inflammatory activities of phenolic compounds isolated from *Melipona beecheii* honey. **Food and Agricultural Immunology.** **28(6):** 1424-1437.

- Runyoro, D.K., M.I. Matee, O.D. Ngassapa, C.C. Joseph and Z.H. Mbwamba. 2006. Screening of Tanzanian medicinal plants for anti-candida activity. **BMC Complementary and Alternative Medicine.** **6(1):** 1-10.
- Sabharwal, S., M. Vats, S. Sardana and S. Aggarwal. 2011. Pharmacognostical, Physico and phytochemical evaluation of the leaves of *Jasminum sambac* Linn. (Oleaceae). **International Journal of Pharmacy and Pharmaceutical Sciences.** **3(4):** 237-241.
- Sabharwal, S., S. Agarwal, M. Vats and S. Sardana. 2012. Preliminary phytochemical investigation and wound healing activity of *Jasminum sambac* (Linn) Ait (Oleaceae) leaves. **International Journal of Pharmacognosy and Phytochemical Research.** **2(3).**
- Sacchetti, G., S. Maietti, M. Muzzoli, M. Scaglianti, S. Manfredini, M. Radice and R. Bruni. 2005. Comparative evaluation of 11 essential oils of different origin as functional antioxidants, antimicrobials in foods. **Food Chemistry.** **91(4):** 621-632.
- Sah, A.K and V.K. Verma. 2012. Phytochemicals and pharmacological potential of *Nyctanthes arbor-tristis*: A comprehensive review. **International Journal of Research in Pharmaceutical and Biomedical Sciences.** 420-426.
- Saha, M.R., S.M.R. Hassan, R. Akter, M.M. Hossain, M.S. Alam, M.A. Alam and M.E.H. Mazumder. 2008. *In vitro* free radical scavenging activity of methanol extract of the leaves of *Mimusops elengi* Linn. Bangladesh. **Journal of Veterinary Medicine.** **6(2):** 197-202.
- Sahu, M.C., N.K. Debata and R.N. Padhy. 2012. Antibacterial activity of *Argemone mexicana* L. against multidrug resistant *Pseudomonas aeruginosa*, isolated from clinical samples. **Asian Pacific Journal of Tropical Biomedicine.** **2(2):** S800-S807.
- Saikia, D., S. Parihar, D. Chanda, S. Ojha, J.K. Kumar., C.S. Chanotiya and A.S. Negi. 2010. Antitubercular potential of some semisynthetic analogues of phyto. **Bioorganic & Medicinal Chemistry Letters.** **20(2):** 508-512.

- Sakat, S., A.R. Juvekar and M.N. Gambhire. 2010. *In vitro* antioxidant and anti-inflammatory activity of methanol extract of *Oxalis corniculata* Linn. **International Journal of Pharmacy and Pharmaceutical Sciences.** **2(1):** 146-155.
- Saleem, A., M. Ahotupa and K. Pihlaja. 2001. Total phenolics concentration and antioxidant potential of extracts of medicinal plants of Pakistan. **Zeitschrift fur Naturforschung C.** **56(11-12):** 973-978.
- Samhita, C. 1949. Shree gulabkunverba Ayurvedic Mudranalaya, Jamnagarm, Vol V. Ayurvedic Mudranalaya, Jamnagar. 23-24.
- Samuelsson, G and L. Bohlin. 1999. Drugs of natural origin. A textbook of pharmacognosy. 484-487.
- Sanches, N.R., D.A. Garcia cartez, M.S. Schiavini, C.V. Nakamura and B.P. Dias filho. 2005. An evaluation of antibacterial activities of *Psidium guajava* (L.). **Brazilian Archives of Biology and Technology.** **48(3):** 429-436.
- Sandhya, S., K.R. Vinod and S. Kumar. 2010. Herbs used for brain disorders. **Hygeia Journal of Drugs and Medicines.** **2(1):** 38-45.
- Santos, C.C.D.M.P., M.S.V.G. Salvadori, L.M. Costa, A.A.C De almeida, G.A.L De Oliveira ....and R.N. de almeida. 2013. **Neuroscience Journal.**
- Sarfraz, I., A. Rasul, F. Jabeen, S.T. Younis, M.K. Zahoor, M. Arshad and M. Ali. 2017. *Fraxinus:* A plant with versatile pharmacological and biological activities. **Evidence-Based Complementary and Alternative Medicine.** **1-12.**
- Sarikurkcu, C., K. Arisoy, B. Tepe, A. Cakir, G. Abali and E. Mete. 2009. Studies on the antioxidant activity of essential oil and different solvent extracts of *Vitex agnus-castus* L. fruits from Turkey. **Food and Chemical Toxicology.** **47(10):** 2479-2483.
- Sarkar, S., S. Zaidi, A.K. Chaturvedi, R. Srivastava, P.K. Dwivedi and R. Shukla, 2015. Search for a herbal medicine antiasthmatic activity of methanolic extract of *Curcuma longa*. **Journal of Pharmacognosy and Phytochemistry.** **3:** 59-72.
- Sass, J.E. 1998. Element of botanicals of microtechnique, Newyork, MC Graw Hill and Co. 222-225.

- Satyal, P., N.S. Dosoky, A. Poudel and W.N. Setzer. 2012. Essential of constituents and their biological activities from the leaves of *Cassia fistula* growing in Nepal. Open Access. **Journal of Medicinal and Aromatic Plants.** **3(2):** 1.
- Schanderi S.H. 1970. Methods in food Analysis. Academic, New York. pp-709.
- Schmidt, E., B. Ryabchenko, J. Wanner, W. Jager and L. Jirovetz. 2015. Cytotoxic active constituents of essential oils of *Curcuma longa* and *Curcuma Zanthorrhiza*. **Natural Product Communication.** **10(1).**
- Schmidt, E., M. Lotter and W. McClel. 2002. Trees and Shrubs of Mpumalanga and Kruger national park. Jacana Media. 530.
- Schroeter, M., M.A. Dennin, M. Walberer, H. Backes, B. Neumaier, G.R. Fink and R. Graf. 2009. Neuroinflammation extends brain tissue at risk to vital periinfarct tissue: a double tracer (<sup>11</sup>C) PK11195 – and [18F] FDG-PET study. **Journal of Cerebral Blood Flow & Metabolisms.** **29(6):** 1216-1225.
- Senguttuvan, J., S. Paulsamy and K. Karthika. 2014. Phytochemical analysis and evaluation of leaf and root parts of the medicinal herb *Hypochaeris radicata* L. for *in vitro* antioxidant activities. **Asian Pacific Journal of Tropical Biomedicine.** **4:** S359-S367.
- Sermakkani, M and V. Thangapandian. 2012. GC-MS analysis of *Cassia* leaf methanol extract. **Asian Journal of Pharmaceutical and Clinical Research.** **5(2):** 90-94.
- Serrano, R., G. Da Silva and O. Silva, 2010. Application of light and scanning electron microscopy in the identification of herbal medicines, Microscopy: science, technology, applications and education **3:**182-190.
- Seth, U.K., N.K. Dadkar and U.G. Kamat. 1972. Selected topics in experiment pharmacology. Kothari Book Depot, Bombay, India. 1: 126.
- Setzer, R.W and C.A. Kimmel. 2003. Use of NOAEL, benchmark dose and other models for human risk assessment of hormonally active substance. **Pure and Applied Chemistry,** **75(11-12):** 2151-2158.

- Severi, J.A., Z.P. Lima, H. Kushima, A.R. Monteiro souza Brito, L. Campaner dos santos, W. Vilegus and C.A. Hiruma-Lima. 2009. Polyphenols with antiulcerogenic action from aqueous decoction of mango leaves (*Mangifera indica* L.). **Molecules.** **14(3):** 1098-1110.
- Sharma, A., R. Khulbe, S. Sood, P.K. Agrawal, J.C. Bhatt and A. Paltnanyak. 2017. A Simple method for the characterization of antioxidant property of different extracts of bark of Gethi (*Boehmeria rugulosa*). **International Journal of Current Microbiology and Applied Sciences.** **6(4):** 2635-2645.
- Sharma, B and P. Kumar. 2009. Extraction and pharmacological evaluation of some extracts of *Tridax procumbens* and *Capparis decidua*. **International Journal of Applied Research in Natural Products.** **1:** 5-12.
- Sharma.V and M.A. Pooja and A. Marwaga. 2011. Hypoglycemic activity of methanolic extracts of *Nyctanthus arbor-tristis* Linn root in alloxan induced diabetic rats. **International Journal of Pharmacy and Pharmaceutical Sciences.** **3(3):** 210-212.
- Sharma, D.K. 2006. Pharmacological properties of flavonoids including flavonolignans-integration of petrocrops with drug development from plants, research. **5(31):** 6697-6703.
- Sharma, S.K., M. Ali and J. Gupta. 2002. Evaluation of indian herbal hepatoprotective drugs. Recent progress in medicinal plants. (Phytochemistry and pharmacology), Vol II, Research Periodicals and Book publishing House, Houston, Texas (USA). 253-270.
- Sharma, V.K., R.A. Yngard and Y. Lin. 2009. Silver nanoparticles: green synthesis and their antimicrobial activities. **Advances in Colloid and Interface Science.** **1459 (1-2):** 83-96.
- Sharmin, T., M.S. Rahman and F. Tahia. 2017. Investigation of biological activities of *Jasminum matthewii*. African Journal of Pharmacy and Pharmacology. **11(3):** 38-44.
- Shekhar, S and M.P. Prasad. 2015. Comparative analysis of antioxidant properties of *Jasmine* species by hydrogen peroxide assay. **European Journal of Biotechnology and Bioscience.** **3(2):** 26-29.

- Sheng, J., F. Yu, Z. Xin and Q. Hu. 2007. Preparation, identification and their antitumor activities *in vitro* of polysaccharides from *Chlorella pyrenoidosa*. **Food Chemistry.** **100:** 533-539.
- Shenoy, C., M.B. Patil, R. Kumar and S. Patil. 2009. Preliminary phytochemical investigation and wound healing activity of *Allium cepa* Linn (Liliaceae). **International Journal of Pharmacy and Pharmaceutical Sciences.** **2(2):** 167-175.
- Sheth, A. 2005. The herbs of ayurveda. **3:** 820.
- Shettar, A.K., M.K. Sateesh, B.B. Kaliwal and A.B. Vedamurthy. 2017. *In vitro* antidiabetic activities and GC-MS phytochemical analysis of *Ximenia americana* extracts. **South African Journal of Botany.** **111:** 202-211.
- Shim, Y.J., H.K. Doo, S.Y. Ahn, Y.S. Kim, J.K. Seong, I.S. Park and B.H. Min. 2003. Inhibitory effect of aqueous extract from the gall of *Rhus chinensis* on alpha-glucosidase activity and postprandial blood glucose. **Journal of ethnopharmacology,** **85(2-3):** 283-287.
- Shinde, A.B and Y.R Mulay. 2015. Phytochemical analysis and antibacterial properties of some selected Indian medicinal plants. **International Journal of Current Microbiology and Applied Sciences.** **4(3):** 228-235.
- Shivani, S., S.H. Ansari, S. Zahiruddin, R. Parveen and S. Ahmed. 2015. Quality standards of leaves of *Nyctanthes arbor-tristis* Linn. **International Journal of Drug Development and Research.** **7(3):** 004-009.
- Shon, M.Y., S.D. Choi, G.G. Kahng, S.H. Nam and N.J. Sung. 2004. Antimutagenic, antioxidant and free radical scavenging activity of ethyl acetate extracts from white yellow and red onions. **Food and Chemical Toxicology.** **42(9):** 659-666.
- Shresha, S., H.R. Jadav, P. Bedarkar, B.J. Patgiri, C.R. Harisha, S.Y. Chaudhari and C.R. Prajapati. 2018. Pharmacognostical evaluation of *Psoralea corylifolia* Linn. Seed. **Journal of Ayurveda and Integrative Medicine.** **9(3):** 209-212
- Shrimanker, M., N. Patel and H. Modi. 2013. A review: Screening models for wound healing activity in animals. **American Journal of Pharm Tech Research.** **3:** 238-251.

- Sichel, G., C. Corsaro, M. Scalia, A.J. Di Bilio and R.P. Bonomo. 1991. *In vitro* Scavenger activity of some flavonoids and melanins against O<sub>2</sub>-dot. **Free Radical Biology and Medicine.** **11(1):** 1-8.
- Sies, H. 1997. Oxidative stress: Oxidants and antioxidants. Experimental physiology. Translation and integration. **82(2):**291-295.
- Sikandar, A. 2018. Histopathology: An old yet important technique in modern science. Important technique in modern Science. In histopathology-An update. Intech open.
- Silhavy, T.J., D. Kahne and S. Walker. 2010. The bacterial cell envelope cold spring harbor perspectives in biology. **2(5):** 1-16.
- Silva, M.G., T.P. Aragao, C.F. Vasconcelos, P.A. Ferreira, B.A. Andrade, I.M. Costa and S. Lafayette. 2011. Acute and subacute toxicity of *Cassia occidentalis* L. Stem and leaf in wistar rats. **Journal of Ethnopharmacology.** **136(2):** 341-346.
- Singer, A.J and R.A. Clark. 1999. Cutaneous wound healing New England. **Journal of Medicine.** **341(10):** 738-746.
- Singh, M., N. Pandey, V. Agnihotri, K.K. Singh and A. Pandey. 2017. Antioxidant, antimicrobial activity and bioactive compounds of *Bergenia ciliata* Sternb. A valuable medicinal herb of Sikkim Himalaya. **Journal of Traditional and Complementary Medicine.** **7(2):** 152-157.
- Singh, M.P and C.S. Sharma. 2010. Pharmaceutical evaluation of *Terminalia chebula* fruits on different market samples. **International Journal of Chem Tech Research.** **2(1):** 57(6).
- Singh, M.P and Somaday. 2005. Indian medicinal plants, Sathish serial publishing house.
- Sivarajan, V.V. 1994. Indira Bala chandran. Ayurvedic drugs and their plant sources. Oxford and IBH Publishing 1994. 267-296.
- Smith, B.C. 2011. Fundamentals of Fourier transform infrared spectroscopy. CRC Press. Boca Raton. FL, USA.

- Snelder, D.J and R.D. Lasco. 2008. Smallholder tree growing for rural development and environmental services: Lessons from Asia. **Springer Science & Buiseness Media.** **5:** 48-52.
- Soladoye, M.O and E.C. Chukwuma. 2012. Quantitative phytochemical profile of the leaves of *Cissus populnea* Guill. & Perr. (Vitaceae)-an important medicinal plant in central Nigeria. **Archives of Applied Science Research.** **4(1):** 200-206.
- Sreedevi, C.D., P.G. Latha, P. Ancy, R. Suja, S. Shyamal, V.J. Shine, ....and S. Rajasekharan. 2009. Hepatoprotective studies on *Sida acute* Burn F. **Journal of Ethnopharmacology.** **124(2):** 171-175.
- Sreedhar, S., U.P. Kumar and A.R. Shree. 2012. Pharmacognostic analysis of stem bark of *combretem albidum*. G. Don: an explored medicinal plant. **Pharmacognosy Journal.** **4(28):** 13-18.
- Stace, C.A. 1965a. Cuticular studies as an aid to plant taxonomy. Bull. Br.Mus. Nat. Hist. Botany **4:** 3-78.
- Stace, C.A. 1965b. The taxonomic importance of the leaf surface. In Current concepts of Plant taxonomy (eds. V.H. Heywood and D.F. Moore). Academic Press. London. pp. 67-94
- Starry, F. 1998. The natural guide. The natural guide to medicinal Herbs and Plants. Tiger books. International, London. 12-16.
- Steinegger, E and A. Brantschen. 1959. New Coumarin Derivatives in *Fraxinus ornus* L. **Pharmaceutica Acta Helvetiae.** **34:** 334.
- Steinegger, E and H. Jacober. 1959. On the occurrence of phillyrin in Oleaceae. The structure of chionanthin. **Pharmaceutica Acta Helvetiae.** **34:**585-592.
- Stickel, F and D. Schuppan. 2007. Herbal medicine in the treatment of liver diseases. **Digestive and Liver Disease.** **39:** 293-304.

- Strader, D.B., B.R. Bacon, K.L. Lindsay, D.R. La Brecqued, T. Morgan, E.C. Wright, J. Allenf, M.F. Khokar, J.H. Hoofnagle and L.B. Seeff. 2002. Use of complementary and alternative medicine in patients with liver disease. **The American Journal of Gastroenterology.** **97:** 2391-2397.
- Subbarayappa, B.V. 2001. The roots of ancient medicine. An historical outlines. **Journal of Biosciences.** **26(2):** 135-143.
- Subramoniam, A., D.A. Evans, S. Rajasekharan and P. Pushpangadan. 1998. Hepatoprotective activity of *Trichopus zeylanicus* extract against paracetamol-induced hepatic damage in rats. **Indian Journal of Experimental Biology.** **36(4):** 385-389.
- Sucharitha, P.A.M., M. Madhu bindu, S.U. Salma, S.R. Mymuna, P. Padmavathi, A.K.S.P. Mansoor and P.V. Ramana. 2018. Pharmacognostic phytochemical and anti bacterial studies on *Jasminum auriculatum*. **7(3):** 465-473.
- Sultan, A and A.R. Raza. 2015. Steroids: A diverse class of secondary metabolites. **Journal of Medicinal Chemistry.** **5(7):** 310-317.
- Summer, L.W., P. Mendes and R.A. Dixon. 2003. Plant metabolomics: large-scale phytochemistry in the functional genomics era. **Phytochemistry.** **62(6):** 817-836.
- Suresh, V and G. Arunachalam. 2012. Pharmacognostical and preliminary phytochemical studies of bark of *Nyctanthes arbor-tristis* Linn. **4(1):** 356-363.
- Swamy, H.K., V. Krishna, K. Shankarmurthy, B.A. Rahiman, K.L. Mankani, K.M. Mahadevan and H.R. Naika. 2007. Wound healing activity of embelin isolated from the ethanol extract of leaves of *Embelia ribes* Burn. **Journal of Ethnopharmacology.** **109(3):** 529-534.
- Syed, A., N. Benit, A.A. Alyousef, A. Alqasim and M. Arshad. 2020. *In-vitro* antibacterial, antioxidant potentials and cytotoxic activity of the leaves of *Tridax procumbens*. **Saudi Journal of Biological Sciences.** **27(2):** 757-761.
- Syiem, D., G. Syngai, P.Z. Khun, B.S. Khongwir, B. Kharbuli and H. Kayang. 2002. Hypoglycemic effects of *Potentilla fulgens* L. in normal and alloxan-induced diabetic mice. **Journal of Ethnopharmacology.** **83(1-2):** 55-61.

- Takaidza, S., F. Mtunzi and M. Pillai. 2018. Analysis of the phytochemical contents and antioxidants activities of crude extracts from *Tulbaghia* species. **Journal of Traditional Chinese Medicine.** **38(2):** 272-279.
- Takimoto, C.H. 2003. Anticancer drug development at the US National Cancer Institute. **Cancer Chemotherapy and Pharmacology.** **52(1):** 29-33.
- Talekar, Y., B. Das, T. Paul, D. Talekar, K. Apte and P. Parab. 2012. Wound healing activity of aqueous and ethanolic extract of bark of *Embllica officinalis* in wistar rats. Inventi impact: **Planta Activa.** **4:** 1-5.
- Tamilselvi, K., S.P. Anand and A. Doss. 2018. Evaluation of *in vitro* antidiabetic activity of *Gardenia latifolia* Ait. **International Journal of Health Science & Research.** **8(8):** 226-230.
- Tarling, C.A., K. Woods, R. Zhang, H.C. Brastianos, G.D. Brayer, R.J. Andersen and S.G. Withers. 2008. The search for novel human pancreatic  $\alpha$ -amylase inhibitors: high throughput screening of terrestrial and marine natural product extracts. **Chembiochem.** **9(3):** 433-438.
- Thangavelu, N.R and S.Thomas. 2010. *In vitro* antioxidant studies on ethanolic extracts of leaves and stems of arbor tristis.L. **International Journal of Biological and Medical Research.** **(4):** 188-192.
- Thanwar, M., D. Dwivedi and A.K. Gharia. 2017. GC-MS study of methanolic extract of leaves of *Catharanthus roseus*. **International Journal of Chemical Studies.** **5(2):** 517-518.
- Theng, B and A.N. Korpenwar. 2015. Phytochemical analysis of ethanol extract of *Ampelocissus latifolia* (Roxb.). Planch tuberous root using UV-Vis, FT-IR and GC-MS. **International Journal of Pharmaceutical Sciences and Reseaerch (IJPSR).** **6(9):** 3936-3942.
- Thenmozhi, K., N. Anusuya, M.A. Ali, S. Jamuna, K. Karthika, A. Venkatachalapathi and S. Paulsamy. 2018. Pharmacological and credence of the folklore use of *Bauhinia malabarica* in the management of Jaundice. **Saudi Journal of Biological Sciences.** **25(1):** 22-26.

- Thombre, R., R. Jagtap and N. Patil. 2013. Evaluation of phytoconstituents antibacterial, antioxidant and cytotoxic activity of *Vitex negundo* L. and *Tabernaemontana divaricata* L. **International Journal of Pharma and Bio Science.** **4(1):** 389-396.
- Tien, M., B.A. Svingen and S.D. Aust. 1982. An Investigation into the role of hydroxyl radical in xanthine oxidase – dependent lipid peroxidation. **Archives of Biochemistry and Biophysics** **216(1):** 142-151.
- Timsina, B and V.K. Nadumane. 2016. Purification and evaluation of bioactive fractions for anticancer potentials from the flowers and leaves of *Nyctanthes arbor-tristis*. **Chiang Mai Journal of Science.** **43:** 100-111.
- Tirupathi, R.G., B.K. Suresh, J.U. Kumar, P. Sujana, A.V. Rao and A.S. Sreedhar. 2011. Anti-microbial principles of selected remedial plants India. **Asian Pacific Journal of Tropical Biomedicine.** **1(4):** 298-305.
- Tiwari, B.K and R.I. Khosa. 2010. Evaluation of the hepatoprotective and antioxidant effect of *Berberis asiatica* against experimentally induced liver injury in rats. **International Journal of Pharmacy and Pharmaceutical Sciences.** **2(1):** 92-97.
- Tona, L., K. Kambu, N. Ngimbi, K. Cimanga and A.J. Vlietinck. 1998. Antiamoebic and phytochemical screening of some Congolese medicinal plants. **Journal of Ethnopharmacology.** **61(1):** 57-65.
- Trease, G.E. 1996. Trease & Evans pharmacognosy, WB sounders, USA. 820-835.
- Tridevi, P.C. 2007. Ethnomedicinal plants of Indian, Jaipur, India. Aavishkar publisher and Distributors. 176.
- Tulasi, C.D.S.L.N., M.L. Narasu and L. Saida. 2018. Cytotoxic effect of *Ficus religiosa* and *Ficus benghalensis* latex extracts on MCF-7. Cell line. **International Journal of Science and Resarch in Biological Sciences.** **5(6):** 96-100.
- Tyagi, T and M. Agarwal. 2017. Phytochemical screening and GC-MS analysis of bioactive constituents in the ethanolic extract of *Pista stratiotes* L. and *Eichhornia crassipes* (Mark.) solms. **Journal of Pharmacognosy and Phytochemistry.** **6(1):** 195-206.

- Tyler, V.E., L.R. Brady and J.E. Robbers. 1998. Pharmacognosy. Lea and Fabiger. Philadelphia. 156.
- Umar, M.I., M.Z. Asmawi, A. Sadikum, A.M.S.A. Majid, F.S.R. Al-suede, L.E.A. Hassan and M.B.K. Ahamed. 2014. Ethyl-p-methoxy cinnamate isolated from kaempferia galangal inhibits inflammation by suppressing interleukin-1, tumor necrosis factor- $\alpha$  and angiogenesis by blocking endothelial functions. **Clinics.** **69(2):** 134-144.
- USDA, M. 2009. National Genetic Resources Program. Germplasm Resources Information Network-(GRIN) 6123.
- Vabkova, J and J. Neugebauerova. 2013. Determination of total phenolic content, total flavonoid content and frap in culinary herbs in relation to harvest time. *Acta Universitatis Agriculturae et silviculturae mendelianae brunensis.* 60(1): 167-172.
- Van de Loosdrecht, A.A., E. Nennie, G.J. Ossenkoppele, R.H.J. Beelen and M.M.A.C. Lanjenhuijsen. 1991. Cell mediated cytotoxicity against U 937 cells by human monocytes and macrophages in a modified colorimetric MTT assay. **Journal of Immunological Methods.** **141:** 15-22.
- Van Wyk, B.E and M. Wink. 2018. Medicinal plants of the world. Briza publication. 104: 444.
- Varghese, S., R. Narmadha, D. Gomathi, M. Kalaiselvi and K. Devaki. 2013. Phytochemical screening and HPTLC finger printing analysis of *Citrullus lanatus* (Thunb.) Seed. **Journal of Acute Disease.** **2(2):** 122-126.
- Varsha, K.K., L. Devendra, G. Shilpa, S. Priya, A. Pandey and K.M. Nampoothiri. 2015. 2,4, Di-tert butyl phenols the antifungal antioxidant bioactive purified from a newly isolated *Lactococcus* sp. **International Journal of Food Microbiology.** **21:** 44-50.
- Veerabhadraswamy, A.L., D.S. Amaravathi and J.M. Kavana. 2019. Preliminary tests and Anatomical features of few medicinal weeds. **Indian Journal of Plant Sciences.** 2319-3824.

- Veerapur, V.P., K.R. Prabhakar, V.K. Parihar, M.R. Kandadi, S. Ramakrishna, B.M.S. Rao, K.K. Srinivasan, K.I. Priyadarsini and M.K. Unnikrishnan. 2009. *Ficus racemosa* stem bark extract: a potent antioxidant and a probable natural radioprotector. **Evidence-Based Complementary and Alternative Medicine.** **6(3):** 317-324.
- Velioglu, Y., G. Mazza, L. Gao and B.D. Oomah. 1998. Antioxidant activity and total phenolics in selected fruits, vegetables and grain products. **Journal of Agricultural and Food Chemistry.** **46(10):** 4113-4117.
- Verma, P.K., R. Raina, S.P. Singh and M. Sultana. 2011, Oxidative stress: Pharmacology of Vitamin E. **Journal of Veterinary Pharmacology & Toxicology.** **10:** pp. (1- 2), 1-7, 14.
- Vijay, D., S. Gangan and S. Sankhe. 2017. Synthesis and antibacterial activity of Isoeugenol ether derivatives. **International Journal for Research in Applied Science and Engineering Technology (IJRASET).** 389-392.
- Vinothapooshan, G and K. Sundar. 2010. Wound healing effect of various extracts of *Adhatoda vasica*. **International Journal of Pharmaceutical and Applied Sciences.** **1(1):** 91-95.
- Voon, H.C., R. Bhat and G. Rusul. 2012. Flower extracts and their essential oils as potential antimicrobial agents for food uses and pharmaceutical applications. **Comprehensive Reviews in Food Sciences and Food Safety.** **11(1):** 34-55.
- Wachtel-Galor, S., J. Yuen, J.A. Buswell and I.F. Ben zie. 2011. *Ganoderma lucidum* (Lingzhi or Reishi). In herbal medicine. Biomolecular and clinical aspects 2<sup>nd</sup> edition, CRC Press/Taylor & Francis. 499.
- Wagh, A.E., U.S. Yeotkar, M.G. Nimborker, T.A. Deshnauka and V.R. Patil. 2010. Hepatoprotective activity of *Nyctanthes arbor-tristis* (L.). **Oriental Pharmacy and Experimental Medicine.** **10(2):** 111-115.
- Wagstaff, S.J and R.G Olmstead. 1997. Phylogeny of Labiateae and Verbenaceae inferred from rbcL sequences. **Systematic Botany.** 165-179.

- Wallander, E and V.A. Albert. 2000. Phylogeny and classification of Oleaceae based on rps 16 and trnL-F sequence data. **American Journal of Botany.** **87(12):** 1827-1841.
- Walters, D.K., R. Muff, B. Langsam, W. Born and S.B. Fuch. 2008. Osteosarcoma cell lines. **Investigational New Drugs.** **26(4):** 289-297.
- Wang, H, D. Gan, X. Zhang and Y. Pan. 2010. Antioxidant capacity of the extracts from pulp of *Osmanthus fragrans* and its components. **LWT-Food Science and Technology.** **43(2):** 319-325.
- Ward, F.M and M.J. Daly. 1999. Hepatic disease clinical pharmacy and therapeutics. 195-212.
- Ward, P.I. 2008. Environmental health perspective. **Journal of Cell Biology.** **116(1):** 15-30.
- Warrier, P.K., V.P.K. Nambiar and Ramankutty. 2004. Indian medicinal plants – a compendium of 500 species. Chennai: Orient Longman Pvt Ltd: 249-253.
- Weli, A.M., H. Al-Hoqani and M.A. Hossain. 2018. Biological and phytochemical studies of different leaves extracts of *Pteropyrum scoparium*. **Beni-Suef University Journal of Basic and Applied Sciences.** **7(4):** 481-486.
- Welihinda, J., G. Arvidson, E. Gylfe, B. Hellman and E. Karlsson. 1982. The insulin-releasing activity of the tropical plant *Momordica charantia*. **Acta biologica et medica Germanica.** **41(12):** 1229-1240.
- Werns, S.W and B.R. Lucchesi. 1989. Myocardial ischemia and reperfusion the role of oxygen radicals in tissue injury. **Cardiovascular Drugs and Therapy.** **2(6):** 761-769.
- World Health Organisation (WHO). 2000. Essential drug Monitor. Antimicrobe Resist Glob Threat. 28-29: 1-36.
- Winslow, L.C and D.J. Kroll. 1998. Herbs as medicine. **Archives of Internal Medicine.** **158 (20):** 2192-2199.
- Wittschier, N., G. Faller and A. Hensel. 2009. Aqueous extract and polysaccharides from liquorice roots (*Glycyrrhiza glabra* L.) inhibit adhesion of *Helicobacter pylori* to human gastric mucosa. **Journal of Ethnopharmacology.** **125(2):** 218-223.
- Woode, E and W.K. Abotsi. 2011. Antinociceptive effect of an ethanolic extract of the aerial parts of *Hilleria latifolia* (Lam.) H. Walt. (Phytolaceae). **Journal of Pharmacy and Bio Allied Sciences.** **3(3):** 384.

- Worthington, V. 1993. Alpha amylase, in: V. Worthington (Ed.), Worthington Enzyme Manual Freehold, Worthington Biochemical Corp, NJ. pp. 36-41.
- Wu, H.C., H.M. Chen and C.Y. Shiao. 2003. Free amino acids and peptides as related to antioxidant properties in protein hydrolysates of mackerel (*Scomber austriasicus*). **Food Research International.** **36(9-10):** 949-957.
- Yadav, S.R and M.M. Sardesai. 2002. Flora of Kodhapur district. 234.
- Yakubu, M.T., O.J. Adebayo, E.C. Egwim and V.B. Owoyele. 2005. Increased liver alkaline phosphatase and aminotransferase activities following administration of ethanolic extract of *Khaya senegalensis* stem bark to rats. 17: 27-32.
- Yan, F.Q.Y., O.L. Jia, T. Han, H. Zhang, L.P. Qin and R. Khalid. 2009. Synergistic hepatoprotective effect of *Schisandra* lignans with *Astragalus* Polysaccharides on chronic liver injury in rats. **Phytomedicine.** **16(9):** 805-813.
- Yarden, Y and K. Caldes. 2013. Basic cancer research is essential for the success of personalised medicine. **European Journal of Cancer.** **49(12):** 2619-2620.
- Yonzone, P., D. Lama, R.B. Bhujel and S. Rai. 2012. Orchid species diversity of Darjeeling Himalaya of India. **International Journal of Pharmacy and Life sciences.** **3(3).**
- Yu, L.C., K.K. Zhou and J. Parry. 2005. Antioxidant properties of cold pressed black caraway, carrot, cranberry and hemp seed oils. **Food Chemistry.** **91(4):** 723-729.
- Zakaria, Z. A, M.H.A. Rahim, N. Mohtarrudin Kadir, M.S. Cheema, Z. Ahmad,...and S.F.M. Tohid. 2016. Acute and sub-chronic oral toxicity studies of methanol extract of *Clinacanthus nutans* in mice. **African Journal of Traditional, Complementary and Alternative Medicines.** **13(2):** 210-222.
- Zaman, K. 1989. Medicinal plants with hypoglycemic activity. **Journal of Ethnopharmacology.** **26(1):** 1-55.
- Zunjar, V., D. Mammen, B.M. Tridevi and M. Daniel. 2011. Pharmacognostic, Physicochemical and Phytochemical studies on *Carica papaya* Linn. leaves. **Pharmacognosy Journal.** **3(20):** 5.