REFERENCES


- Abesundara, KJM, Matsui, T & Matsumoto, K 2004, ‘Glucosidase inhibitory activity of some Sri Lanka plant extracts, one of which, Cassia auriculata, exerts a strong antihyperglycemic effect in rats comparable to the therapeutic drug acarbose’, Journal of Agricultural and Food Chemistry, vol. 52, no. 9, pp. 2541 - 2545


• Agarwal, RS & Sohal, RS 1996, ‘Relationship between susceptibility to protein oxidation, aging, and maximum life span potential of different species’, *Experimental Gerontology*, vol. 31, no. 3, pp. 365 - 372

• Agarwal, BB, Shishodia, S, Sandur, SK, Pandey, MK & Sethi, G  2006, ‘Inflammation and cancer: how hot is the link?’, *Biochemical Pharmacology*, vol. 72, no. 11, pp. 605 - 621


• Alasalvar, C, Karamac, M, Amarowicz, R & Shahidi, F 2006, ‘Antioxidant and antiradical activities in extracts of hazelnut kernel (*Corylus vellana* L.) and hazelnut green leafy cover’, *Journal of Agriculture and Food Chemistry*, vol. 54, no. 13, pp. 4826 - 4832

• Amakura, Y, Okada, M, Tsuji, S & Tonogai, Y 2000, ‘Determination of phenolic acids in fruit juices by isocratic column liquid chromatography’, *Journal of Chromatography*, vol. 891, no. 1, pp. 183 – 188

• Antonella Saija, Mario Scalese, Maria Lanza, Daniela Marzullo, Francesco Bonina and Francesco Castelli 1995, ‘Flavonoids as antioxidant agents: importance of their interaction with biomembranes’, *Free Radical Biology and Medicine*, vol. 19, no.4, pp. 481 - 486

• Antoniou, A, Pharoah, PD, Narod, S, Risch, HA, Eyfjord, JE, Hopper, JL et al. 2003, ‘Average risks of breast and ovarian cancer associated with BRCA1 or BRCA2 mutations detected in case series unselected for family history: a combined analysis of
22 studies’, *The American Journal of Human Genetics*, vol. 72, no. 5, pp. 1117 - 1130


• Bala, A, Karmakar, I & Halder, PK 2012, ‘Isolation and HPLC characterization of the flavonoid fractions from Cleome gynandra and comparative antioxidant activity’, In:


230


• Chaudiere, J & Ferrari-Iliou, R 1999, ‘Intracellular Antioxidants: from chemical to biochemical mechanisms’, Food Chemical Toxicology, vol. 37, no. 9 - 10, pp. 949 - 962


• Chiu, TL & Su, CC 2009, ‘Curcumin inhibits proliferation and migration by increasing the Bax to Bcl-2 ratio and decreasing NF-kappaBp65 expression in breast cancer MDA-MB-231 cells’, International Journal of Molecular Medicine, vol. 23, no. 4, pp. 469 - 475


• Critchfield, JW, Butera, ST & Folks, TM 1996, ‘Inhibition of HIV activation in latently infected cells by flavanoid compounds’, *AIDS Research and Human Retroviruses*, vol. 12, no. 1, pp. 39 - 46


Dinis, TCP, Madeira, VMC & Almeida, LM 1994, ‘Action of phenolic derivatives (acetaminophen, salycilate and 5-aminosalycilate) as inhibitors of membrane lipid
peroxidation and as peroxyl radical scavengers’, *Archives of Biochemistry and Biophysics*, vol. 315, no. 1, pp. 161 - 169


- D’souza, J & Kulkarni, AR 1993, ‘Comparative studies on nutritive values of tender foliage of seedlings and mature plants of *Moringa oleifera* Lam.’, *Journal of Economic and Taxonomic Botany*, vol. 17, pp. 479 - 485


• Ghani, A 2003, Medicinal Plants of Bangladesh with Chemical Constituents and Uses, 2nd edn, Asiatic Society of Bangladesh, Dhaka


• Halliwell, B, Gutteridge, JMC & Cross, CE 1992, ‘Free radicals, antioxidants and human disease: where are we now?’, *Journal of Laboratory and Clinical Medicine*, vol. 119, no. 6, pp. 598 - 620


• Hammerstone, JF, Lazarus, SA & Schmitz, HH 2000, ‘Procyanidin content and variation in some commonly consumed foods’, *Journal of Nutrition*, vol. 130, no. 8, pp. 2086 - 2092


• Harris, HR, Tamimi, RM, Willett, WC, Hankinson, SE & Michels, KB 2011, ‘Body size across the life course, mammographic density and risk of breast cancer’, *American Journal of Epidemiology*, vol. 174, no. 8, pp. 909 - 918


• Havsteen, BH 2002, ‘The biochemistry and medical significance of the flavonoids’, *Pharmacology and Therapeutics*, vol. 96, pp. 67 - 202


• Hermawan, A, Nur, KA, Sarmoko, D, Dewi Putri, P & Meiyanto, E 2012, ‘Ethanolic extract of *Moringa oleifera* increased cytotoxic effect of doxorubicin on HeLa cancer cells’, *Journal of Natural Remedies*, vol. 12, no. 2, pp. 108 - 114


· Hayrapetyan, H, Hazeleger, WC & Beumer, RR 2012, ‘Inhibition of Listeria monocytogenes by pomegranate (Punica granatum L.) peel extract in meat pate ate different temperatures’, Food Control, vol. 23, pp. 66 - 72

· Ibrahim, MI 2010, ‘Efficiency of pomegranate peel extract as antimicrobial, antioxidant and protective agents’, World Journal of Agricultural Science, vol. 6, no. 4, pp. 338 - 344


prospective investigation into cancer and nutrition’, *Endocrine Related Cancer Journal*, vol. 12, no. 4, pp. 1071 - 1082


- Karimi, E, Oskoueian, E, Hendra, R & Jaafar, HZE 2010, ‘Evaluation of *Crocus sativus* L. stigma phenolic and flavonoid compounds and its antioxidant activity’, *Molecules*, vol. 15, no. 9, pp. 6244 - 6256


- Kasolo, JN, Bimenya, GS, Ojok, L, Ochieng, J & Ogwal-okeng, JW 2010, Phytochemicals and uses of *Moringa oleifera* leaves in Ugandan rural communities’, *Journal of Medicinal Plants Research*, vol. 4, no. 9, pp. 753 - 757


Kaur, G, Jabbar, Z, Athar, M & Alam, MS 2006, ‘Punica granatum (pomegranate) flower extract possesses potent antioxidant activity and abrogates Fe-NTA induced hepatotoxicity in mice’, *Food Chemical Toxicology*, vol. 44, no. 7, pp. 984 - 993


Kim, R 2005, ‘Unknotting the roles of Bcl-2 and Bcl-xL in cell death’, *Biochemical and Biophysical Research Communication*, vol. 333, no. 2, pp. 336 - 343

Kim, HS, Patel, K, Muldoon Jacobs, K, Bisht, KS, Aykin Burns, N, Pennington, JD et al. 2010, ‘SIRT3 is a mitochondria-localized tumor suppressor required for maintenance of mitochondrial integrity and metabolism during stress’, *Cancer cell*, vol. 17, no.1, pp. 41 - 52


Kiruthiga, PV, Shafreen, RB, Pandian, SK, Arun, S, Govindu, S & Devi, KP 2007, ‘Protective effect of silymarin on erythrocyte haemolysate against benzo(a)pyrene and
exogenous reactive oxygen species (H2O2) induced oxidative stress’, *Chemosphere*, vol. 68, no. 8, pp.1511 - 1518


- Kojo, S 2004, ‘Vitamin C: basic metabolism and its function as an index of oxidative stress’, *Current Medicinal Chemistry*, vol. 11, no. 8, pp.1041 - 1064


• Kroll, DJ, Shaw, HS & Oberlies, NH 2007, ‘Milk thistle nomenclature: why it matters in cancer research and pharmacokinetic studies’, *Integrative Cancer Therapies*, vol. 6, no. 2, pp. 110 - 119


• Ku, HH, Brunk, UT & Sohal, RS 1993, ‘Relationship between mitochondrial superoxide and hydrogen peroxide production and longevity of mammalian species’, *Free Radical Biology & Medicine*, vol. 15, no. 6, pp. 621 - 627


• Kumar, B, Koul, S, Khandrika, L, Meacham, RB & Koul, HK 2008, ‘Oxidative stress is inherent in prostate cancer cells and is required for aggressive phenotype’, *Cancer research*, vol. 68, no. 6 , pp. 1777 - 1785


• Li, H, Sekine, M, Seng, S, Avraham, S & Avraham, HK 2009, ‘BRCA1 Interacts with Smad3 and Regulates Smad3-Mediated TGF-b Signaling during Oxidative Stress Responses’, *Plos one*, vol. 4, no. 9, pp. 7091 - 7093


• Lin, JK, Lin, CH, Ling, YC, Lin-Shian, SY & Juan, IM 1998, ‘Survey of catechins, gallic acid and methylxantines in green, oolong, puerh and black teas’, *Journal of Agricultural and Food Chemistry*, vol. 46, pp. 3635 - 3642

• Lin, NU & Winer, EP 2008, ‘Optimizing endocrine therapy for estrogen receptor positive breast cancer: treating the right patients for the right length of time’, *Journal of Clinical Oncology*, vol. 26, no. 12 , pp. 1919 - 1921

• Lin, YG, Kunnumakkara, AB, Nair, A, Merritt, WM, Han, LY & ArmaizPena, GN et al. 2007, ‘Curcumin inhibits tumor growth and angiogenesis in ovarian carcinoma by targeting the nuclear factor-KB pathway’, *Clinical Cancer Research*, vol. 13, no. 11, pp. 3423 - 3430

• Liu, MM, Huang, Y & Wang, J 2012, ‘Developing phytoestrogens for breast cancer prevention’, *Anticancer Agents in Medicinal Chemistry*, vol. 12, no. 10, pp. 1306 - 1313

• Liu, Y, Fiskum, G & Schubert, D 2002, ‘Generation of reactive oxygen species by the mitochondrial electron transport chain’, *Journal of Neurochemistry*, vol. 80, no. 5, pp. 780 - 787

• Lotito, SB & Fraga, CG 2000, ‘Ascorbate protects (+)-vatechin from oxidation both in pure chemical system and human plasma’, *Biological Research*, vol. 33, no. 2, pp. 151 - 157


• Maskarinec, G, Pagano, I, Lurie, G & Kolonel, LN 2006, ‘A longitudinal investigation of mammographic density: the multiethnic cohort’, *Cancer Epidemiology, Biomarkers & Prevention*, vol. 15, no. 4, pp. 732 - 739


• Mathew, S & Abraham, TE 2006, ‘In vitro antioxidant activity and scavenging effects of *Cinnamomum verum* leaf extracts assayed by different methodologies’, *Food Chemical Toxicology*, vol. 44, no. 2, pp. 198 - 206


• McKay, D 2009, ‘Can hibiscus tea lower blood pressure?’, *Agro Food Industry Hi-Tech*, vol. 20, no. 6, pp. 40 - 42


• Meissner, C, Bruse, P & Mohamed, SA 2008, ‘The 4977 bp deletion of mitochondrial DNA in human skeletal muscle, heart and different areas of the brain: a useful biomarker or more?’, *Experimental Gerontology*, vol. 43, no. 7, pp. 645 - 652


• Middleton, E Jr, Kandaswami, C & Theoharides, TC 2000, ‘The effects of plant flavonoids on mammalian cells: implications for inflammation, heart disease, and cancer’, *Pharmacological Reviews*, vol. 52, no. 4, pp. 673 - 751


• Nade, VS, Kanhere, SV, Kawale, LA & Yadav, AV 2011, ‘Cognitive enhancing and antioxidant activity of ethyl acetate soluble fraction of the methanol extract of *Hibiscus rosa sinensis* in scopolamine induced amnesia’, *Indian Pharmacology*, vol. 43, no. 2, pp. 137 - 142

• Nageswara Rao, G, Mahesh, KP, Dhandapani, VS, Rama, KT & Hayashi, T 2000, ‘Constituents of *Cassia auriculata*, *Fitoterapia*, vol. 71, pp. 82 - 83


• Narula, A, Srivastava, PS & Rangaswamy, NS 2000, ‘In-vitro cultures studies on Dioscorea species’, *Journal of Tropical Medicinal Plants*, vol. 1, no. 1, pp. 60 - 74


- Oliveira, JTA, Silveira, SB, Vasconcelos, IM, Cavada, BS, Moreira, RA 1999, ‘Compositional and nutritional attributes of seeds from the multipurpose tree Moringa oleifera Lamarck, Journal of Science of Food and Agriculture, vol. 79, no. 6, pp. 815 - 820


- Papas, AM 1999, ‘Diet and antioxidant status’, Food Chemical Toxicology, vol. 37, no. 9-10, pp. 999 - 1007


breast cancer in African American women’, *Cancer Epidemiology, Biomarkers & Prevention*, vol. 20, no. 9, pp. 1883 - 1891


- Pan, YM, Zhang, XP, Wang, HS, Liang, Y, Zhu, JC, Li, HY et al. 2007, ‘Antioxidant potential of ethanolic extract of *Polygonum cuspidatum* and application in peanut oil’, *Food Chemistry*, vol. 105, no. 4, pp. 1518 - 1524


- Park, EJ & Pezzuto, JM 2002, ‘Botanicals in cancer chemoprevention’, *Cancer and Metastasis Reviews*, vol. 21, no. 3-4, pp. 231 - 255


• Prakasha, HM, Krishnappa, M, Krishnamurthy, YL & Poornima, SV 2010, ‘Folk medicine of NR Pura Taluk in Chikamaglur district of Karnataka’, *Indian Journal of Traditional Knowledge*, vol. 9, no.1, pp. 55 - 60


• Purushotham, KN, Annegowda HV, Sathish, NK, Ramesh, B & Mansor, SM 2014, ‘Evaluation of phenolic content and antioxidant potency in various parts of *Cassia auriculata* L.: A traditionally valued plant’, *Pakistan Journal of Biological Sciences*, vol. 17, no. 1, pp. 41 - 48


• Rajkumar, V, Guha, G, Ashok Kumar, R & Lazer Mathew 2010, ‘Evaluation of antioxidant activities of *Bergenia ciliata* rhizome’, *Records of Natural Products*, vol. 4, no.1, pp. 38 - 48


- Ratnam, KV & Raju, RRV 2005, ‘Folk medicine used for common women ailments by Adivasis in the Eastern ghats of Andhra Pradesh’, *Indian Journal of Traditional Knowledge*, vol. 4, no. 3, pp. 267 - 270


• Reddy, KN, Pattanaik, KN, Reddy, CS & Raju, VS 2007, ‘Traditional Knowledge on Wild food plants in Andhra Pradesh’, *Indian Journal of Traditional Knowledge*, vol. 6, no. 1, pp. 223 - 229


• Reed, JC 1997, ‘Bcl-2 family proteins: Regulators of apoptosis and chemoresistance in hematologic malignancies’, *Seminars in Hematology Journal*, vol. 34, no. 4, pp. 9 - 19

• Rice-Evans, C 2001, ‘Flavonoid antioxidants’, *Current Medicinal Chemistry*, vol. 8 no.11, pp. 797 - 807


• Rice-Evans, CA, Sampson, J, Bramley, PM & Holloway, DE 1997, ‘Why do we expect carotenoids to be antioxidants in vivo?’, *Free Radical Research*, vol. 26, no. 4, pp. 381 - 398


• Rose, DP & Vona-Davis, L 2012, ‘The cellular and molecular mechanisms by which insulin influences breast cancer risk and progression’, Endocrine - Related Cancer, vol. 19, no. 6, pp. 225 - 241


• Santos-Buelga, C & Scalbert, A 2000, ‘Proanthocyanidins and tannin-like compounds in human nutrition’, *Journal of Food Science and Agriculture*, vol. 80, no. 7, pp. 1094 - 1117


• Sasikumar, JM, Gincy, MM & Teepica, PD 2010, ‘Comparative studies on antioxidant activity of methanol extract and flavonoid fraction of *Nyctanthes arbortristis* leaves’, *Electron Journal Environmental Agricultural Food Chemistry*, vol. 9, no. 3, pp. 227 - 233


• Sharma, S & Sultana, S 2004, ‘Effect of Hibiscus rosa sinensis extract on hyperproliferation and oxidative damage caused by benzoyl peroxide and ultraviolet radiations in mouse skin’, Basic and Clinical Pharmacology Toxicology, vol. 95, no. 5, pp. 220 - 225


- Siddhuraja, P & Becker, K 2003, ‘Antioxidant properties of various solvent extracts of total phenolic constituents from three different agro climatic origins of drumstick tree (*Moringa oleifera* lam) leaves’, *Journal of Agricultural and Food Chemistry*, vol. 53, no. 8, pp. 2144 - 2155


- Silva, MJD, Carvalho, AJS, Rocha, CQ, Vilegas, W, Silva, MA & Gouvea, CMCP 2014, ‘Ethanolic extract of *Mimosa caesalpiniiifolia* leaves: Chemical characterization and cytotoxic effect on human breast cancer MCF-7 cell line’, *South African Journal of Botany*, vol. 93, no.64 - 69


- Singh, KK & Kumar, K 1999, ‘Ethnotherapeutics of some medicinal plants used as antipyretic agent among the tribals of India, *Journal of Economic and Taxonomic Botany*, vol. 23, no.1, pp. 135 - 141


265
• Soobrattee, MA, Neergheen, VS, Luximon-Ramma, A, Aruoma, OI & Bahorun, OT
  2005, ‘Phenolics as potential antioxidant therapeutic agents: mechanism and actions’,
  *Mutation Research- Fundamental and Molecular mechanisms of mutagenesis*, vol.
  579, no. 1-2, pp. 200 - 213

  antioxidant enzymes in alloxan-induced diabetes in rat pancreas’, *Comparative
  Biochemistry and Physiology, Toxicology & Pharmacology*, vol. 136, no. 3 , pp. 205
  - 212

• Sova, M 2012, ‘Antioxidant and antimicrobial activities of cinnamic acid derivatives’,
  *Mini Reviews in Medicinal Chemistry*, vol. 12, no. 8, pp. 749 - 767

• Spencer, J 2010, ‘The impact of fruit flavonoids on memory and cognition’, *British
  Journal of Nutrition*, vol. 104, no. 3, pp. 40 - 47

• Sriwiriyajan, S, Ninpesh, T, Sukpondma, Y, Nasomyon, T & Graidi, P 2014,
  ‘Cytotoxicity screening of plants of genus Piper in breast cancer cell lines’, *Tropical
  Journal of Pharmaceutical Research*, vol. 13, no. 6, pp. 921 - 928

  of Medicine*, vol. 24, no. 6, pp. 345 - 351

• Sun, SY, Hail, NJ & Lotan, R 2004, ‘Apoptosis as a novel target for cancer
  chemoprevention’, *Journal of National Cancer Institute*, vol. 96, no. 9, pp. 662 - 672

• Surh, YZ & Fergusson, LR 2003, ‘Dietary and medicinal antimutagens and
  anticarcinogens: Molecular mechanisms and chemopreventive effects of selected
  dietary and medicinal phenolic substances’, *Mutational Research/Fundamental
  Molecular Mechanisms of Mutagenesis*, vol. 523 - 524, pp. 1 - 8

• Survay, NS, Upadhyaya, CP, Kumar, B, Young, KE, Yoon, DY & Park, SW 2011,
  ‘New genera of flavonols and flavonol derivatives as therapeutic molecules’, *Journal
  of the Korean Society for Applied biological chemistry*, vol. 54, no. 1, pp. 1 - 18


- Tanimura, S, Kadomoto, R, Tanaka, T, Zhang, YJ, Kouno, I & Kohno, M 2005, ‘Suppression of tumour cell invasiveness by hydrolyzable tannins (plant polyphenols) via the inhibition of matrix metalloproteinase-2/9 activity’, *Biochemical and Biophysical Research Communications*, vol. 330, no. 4, pp. 1306 - 1313

- Tao, R, Coleman, MC, Pennington, JD, Ozden, O, Park, SH, Jiang, H et al. 2010, ‘Sirt3-mediated deacetylation of evolutionarily conserved lysine 122 regulates MnSOD activity in response to stress’, *Molecular cell*, vol. 40, no. 6, pp. 893 - 904

- Tehranifar, A, Selahvarzi, Y, Kharrazi, M & Bakhsh, VJ 2011, ‘High potential of agroindustrial by products of pomegranate (Punica granatum L.) as the powerful antifungal and antioxidant substances’, *Indian Crops Production*, vol. 34, pp. 1523 - 1527


- Tjonneland, A, Christensen, J, Olsen, A, Stripp, C, Thomsen, BL, Overvad, K et al. 2007, ‘Alcohol intake and breast cancer risk: the European prospective investigation
into cancer and nutrition (EPIC)’, *Cancer Causes Control*, vol. 18, no. 4, pp. 361 - 373


- Tripathi, YB & Pandey Ekta 1999, ‘Role of alcoholic extract of shoot of *Hypericum perforatum* (Linn) on LPO and various species of free radicals in Rats’, *Indian Journal of Experimental Biology*, vol. 37, no. 6, pp. 567 - 571


- Tseng, TH & Lee, YJ 2006, ‘Evaluation of natural and synthetic compounds from East Asiatic folk medicinal plants on the mediation of cancer’, *Anti-cancer Agents in Medicinal Chemistry*, vol. 6, no. 4, pp. 347 - 365


• Vincent, TL & Gatenby, RA 2008, ‘An evolutionary model for initiation, promotion, and progression in carcinogenesis’, *International Journal of Oncology*, vol. 32, no. 4, pp. 729 - 737


• Wright, DT, Cohn, LA, Li, H, Fischer, B, Li, CM & Adler, KB 1994, ‘Interactions of oxygen radicals with airway epithelium’, Environmental health perspectives, vol. 102, no. 10, pp. 85 - 90


• Vedavathy, SA, Sudhakar & Mrudula, V 1997, ‘Tribal medicine of Chittor District Andhra Pradesh, India, Herbal Folklore Research Center, Tirupati and Andhra Pradesh, India, vol. 16, no. 4, pp. 48 - 49


• Xiao, JX, Huang, GQ & Zhang, SH 2007, ‘Soya saponins inhibit the proliferation of HeLa cells by inducing apoptosis’, Experimental and Toxicologic Pathology, vol. 59, no. 1, pp. 35 - 42


• Yeole, BB & Kurkure, AP 2003, An epidemiological assessment of increasing incidence and trends in breast cancer in Mumbai and other sites in India, during the last two decades’, *The Asian Pacific Journal of Cancer Prevention*, vol. 4, no. 1, pp. 51 - 56

• Yi, Z, Seikou, N, Souichi, N, Tao, W, Masayuki, Y & Hisashi, M 2015, ‘Chemical structures of constituents from the seeds of *Cassia auriculata*’, *Tetrahedron*, vol. 71, no. 38, pp. 6727 - 6732


• Yu, L, Haley, S, Perret, J, Harris, M & Wilson, J 2002, ‘Qian M. Free radical scavenging properties of wheat extracts’, *Journal of Agricultural and Food Chemistry*, vol. 50, no. 6, pp. 1619 - 1624


superoxide dismutase in human breast cancer MCF-7 cells involves reactive oxygen species’, *The Journal of Biological Chemistry*, vol. 277, no. 23, pp. 20919 - 20926


- Zhou, L, Wang, Y, Tian, D, Yang, J & Yang, Y 2012, ‘Decreased levels of nitric oxide production and nitric oxide synthase-2 expression are associated with the development and metastasis of hepatocellular carcinoma, *Molecular medicine reports*, vol. 6, no. 6, pp. 1261 - 1266
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