

REFERENCE

- Abdullah A, Dhaliwal KK, Roslan NNF, Lee CH, Kalaiselvam M, Radman HM, Saad QHM, Yusof K, Jaarin K, 2015. The Effects of *Cosmos caudatus* (Ulam Raja) on Detoxifying Enzymes in Extrahepatic Organs in Mice. *J. App. Pharm. Sc.* 5 (01):082-088
- Ajaykumar TV, Anandarajagopal K, Sunilson JAJ, Arshad A, Jainaf RAM, Venkateshan N, 2012. Anti-inflammatory Activity of *Cosmos caudatus*. *Inter. J. Uni. Pharm. and Bio Sci.* 1 (2):2319-8141
- Amith HV, Ankola AV, Nagesh L, 2007. Effect of Oil Pulling on Plaque and Gingivitis. *J Oral Health Comm Dent.* 1 (1):12-18
- Angelucci F, Balocco P, Brunori M, Gourlay L, Morea V, Bellelli A, 2005. Insights into the Catalytic Mechanism Minireview of Glutathione S-Transferase: The Lesson from *Schistosoma haematobium*. *Structure.* 13:1241–1246
- Ban SH, Kim JE, Pandit S, Jeon JG, 2012. Influences of *Dryopteris crassirhizoma* Extract on the Viability, Growth and Virulence Properties of *Streptococcus mutans*. *Molecules.* 17 (8):9231-9244
- Bathla S, 2011. *Periodontics Revisited*. Jaypee Brothers Medical Publishers. New Dehli. 130
- Biju T, Shabeer MM, Amitha R, Rajendra BP, Suchetha K, 2014. Comparative evaluation of serum superoxide dismutase and glutathione levels in periodontally diseased patients: An interventional study. *Indian J. Dent. Res.* 25 (5): 613-616
- Borges I, Moreira EAM, Filho DW, Oliveira TB, Silva MBS, Frode TS, 2007. Proinflammatory and Oxidative Stress Markers in Patients with Periodontal Disease. *Mediat Inflamm.* 45794 (2007)
- Bunawan H, Baharum SN, Bunawan SN, Amin NM, Noor NM, 2014. *Cosmos Caudatus* Kunth: A Traditional Medicinal Herb. *Glob J. Pharm.* 8 (3). IDOSI Publications. Malaysia
- Carranza FA, Forrest JL, Kenney EB, Klokkevold PR, Newman MG, Novak MJ, Preshaw P, Takei HH, 2012. *Carranza's Clinical Periodontology*. Elsevier Saunders. Missouri
- Catalán MA, Nakamoto T, Melvin JE, 2009. The salivary gland fluid secretion mechanism. *J. Med. Invest.* 56 (2009)
- Cheng R, Choudhury D, Liu C, Billet S, Hu T, Bhowmick NA, 2015. Gingival fibroblasts resist apoptosis in response to oxidative stress in a model of periodontal diseases. *Cell Death Discov* 1. 15046

<http://www.nature.com/articles/cddiscovery201546>. Accessed 9th May, 2016.

- Cho HY, Koh JU, Kwon YB, Kong KH, 2007. Human pi class glutathione s-transferase: anticancer material and functional study. *IFMBE Proceedings*. 15:476
- El-Ansary A, 2001. Detoxification mechanisms in autism spectrum disorders. *OA Autism*. 1 (2):19
- Fabrini R, Bocedi A, Camerini S, Fusetti M, Ottaviani F, Passali FM, Topazio D, Iavarone F, Francia I, Castagnola M, Ricci G, 2014. Inactivation of Human Salivary Glutathione Transferase P1-1 by Hypothiocyanite: A Post-Translational Control System in Search of a Role. *PLOS ONE*. 9 (11):112797
- Ghom AG, Ghom SA, 2014. *Textbook of Oral Medicine*. Jaypee Brothers Medical Publication. New Dehli
- Hayes JD, Pulford DJ, 1995. The Glutathione S-Transferase Supergene Family: Regulation of GST and the Contribution of the Isoenzymes to Cancer Chemoprotection and Drug Resistance Part I. *Crit Rev Biochem Mol*. 30 (6):445-600
- Hirota S, Nishioka T, Shimoda T, Miura K, Ansai T, Takahama U, 2001. Quercetin Glucosides are Hydrolyzed to Quercetin in Human Oral Cavity to Participate in Peroxidase-Dependent Scavenging of Hydrogen Peroxide. *Food Sci. Technol. Res*. 7 (3):239–245
- Huda-Faujan N, Noriham A, Norrakiah AS, Babji AS, 2007. Antioxidative Activities of Water Extracts of Some Malaysian Herbs. *ASEAN Food J*. 14 (1):61-68
- Kays SJ, 2011. *Cultivated Vegetables of the World: A Multilingual Onomasticon*. Wageningen Academic Publishers, The Netherlands
- Khurana I, 2008. *Essentials of Medical Physiology*. Elsevier. UP, India
- Kumar S, Pandey AK, 2013. Chemistry and Biological Activities of Flavonoids: An Overview. *The Sci. World J.* 162750 (2013):16
- McKinney M, 2011. *Lippincott's Guide to Infectious Diseases*. Lippincott Williams & Wilkins. Philadelphia. 136
- Mediani A, Abas F, Ping TC, Khatib A, Lajis NH, 2012. Influence of Growth Stage and Season on the Antioxidant Constituents of *Cosmos caudatus*. *Plant Food Hum Nutr*. 67 (4):344-350
- Murray JJ, Nunn JH, Steele JG, 2003. *The Prevention of Oral Disease*. Oxford University Press. New York. 136

- Olaleye MT, Kolawole AO, Ajele JO, 2007. Antioxidant Properties and Glutathione S-Transferases Inhibitory Activity of Alchornea cordifolia Leaf Extract in Acetaminophen-Induced Liver Injury. *Iran J. Pharm Ther.* 6 (1):63-66
- Paknjad M, Rezaei A, 2013. Salivary Biochemical Markers Of Periodontitis. *ROM. J. Biochem.* 50 (2):129–146
- Patra JK, Rath SK, Jena KB, Rathod VK, Thatoi H, 2008. Evaluation of Antioxidant and Antimicrobial Activity of Seaweed (*Sargassum sp.*) Extract: A Study on Inhibition of Glutathione-S-Transferase Activity. *Turkish J. Bio..* 32 (2):119-125
- Pereira DM, Valentão P, Pereira JA, Andrade PB, 2009. Phenolics: From Chemistry to Biology. *Molecules.* 14, 2202-2211
- Prameswari DP, Handajani J, 2010. Effect Gargling With Centella's Extract Concentration 40% And 50% To Inhibit The Specific Activity Glutathione S-Transferase In Saliva Gingivitis Patients. *Majalah Obat Tradisional.* 15 (3):138 – 145
- Puttock CF, Acevedo-Rodríguez P, 2014, Invasive Species Compendium. Available at <http://www.cabi.org/isc/datasheet/117946>. Accessed 9th September, 2015.
- Rasdi NHM, Samah OA, Sule A, Ahmed QU, 2010. Antimicrobial studies of *Cosmos caudatus* Kunth. (Compositae). *J. Med. Plants Res..* 4 (8):669-673
- Reddy S, 2008. *Essentials of Clinical Periodontology and Periodontics*. Jaypee Brothers Medical Publishers. New Dehli
- Röth E, Marczin N, Balatonyi B, Ghosh S, Kovács V, Alotti N, Borsiczky B, Gasz B, 2011. Effect of a glutathione S-transferase inhibitor on oxidative stress and ischemia-reperfusion-induced apoptotic signalling of cultured cardiomyocytes. *Exp Clin Cardiol.* 16 (3):92-96
- Scannapieco FA, 2004. Periodontal Inflammation: From Gingivitis to Systemic Disease?. *Compendium.* 25 (7):16
- Serhan CN, Ward PA, Gilroy DW, 2010. *Fundamentals of Inflammation*. Cambridge University Press. New York
- Sheehan D, Meade G, Foley VM, Dowd CA, 2001. Structure, function and evolution of glutathione transferases: implications for classification of non-mammalian members of an ancient enzyme superfamily. *Biochem. J.* 360 (2001):1-16

- Streckfus CF, 2015. *Advances in Salivary Diagnostics*. Springer Heidelberg New York
- Sukrasno, Fidriany I, Anggadiredja K, Handayani WA, Anam K, 2011. Influence of Drying Method on Flavonoid Content of *Cosmos caudatus* (Kunth) Leaves. *Res. J. Med. Plant*. 5 (2):189-195
- Vermeulen NPE, Mulder GJ, Nieuwenhuyse H, Peters WHM, Bladeren PJV, 1996. *Glutathione S-Transferases: Structure, Function and Clinical Implications*. Taylor & Francis. London. 194
- Walle T, Browning AM, Steed LL, Reed SG, Walle UK, 2005. Flavonoid Glucosides Are Hydrolyzed and Thus Activated in the Oral Cavity in Humans. *J. Nutr*. 135(1):48-52