

REFERENCES

Abas, H. (2000). Adverse Effects of Herbs and Modern Drug-Herbal Interactions. In Proceedings of the Seminar of medicinal and aromatic plants: Towards bridging science and herbal industries (Ed.) Chang, Y.S., Mastura, M., Vimala, S and Zainon, A.S. FRIM, 32-37.

Adams, M.R. and Moss, M.O. (2008). Food Microbiology 3rd Edition. The Royal Society of Chemistry, United Kingdom, 313.

Ashril, Y., Hasni, M., Mustafa, A.M., Norhanom, A.W. and A. Hamid, A.H. (1997). Antioxidant activity of selected medicinal plants. Paper presented at Malaysian Society of Physiology and Pharmacology Scientific Meeting, 2-3rd June 1997, Kuala Lumpur, Malaysia.

Arambewela, L.S.R., Kumarathunga, A., Arawwawala, M., Owen, N.L and Du, L. (2005). Volatile oils of *Alpinia calcarata* Rosc. grown in Sri Lanka. *Journal of Essential Oil Research*, 17(2): 124-125.

Azizah, A.H., Nik Ruslawati, N.M. and Swee Tee, T. (1999). Extraction and characterization of antioxidant from cocoa by- products. *Food Chemistry*, 64: 199-202.

Baekhout, T. and Robert, V. (Ed.) (2003). Yeast in food: Beneficial and detrimental aspects. Behr's Verlag, Hamburg, 323.

Baur, A.W., Kircy, W.M.M., Sherries, J.C. and Turck, M. (1966). Antibiotic susceptibility testing by a standardized single disc method. *The American Journal of Clinical Phatology* 45: 493-496.

Bowden, G.H.W, 1990. Microbiology of root surface caries in human. *Journal of Dental Research*., 69(5): 1205-1210.

Burkill, I.H. (1935). A dictionary of the economic products of the Malay Peninsular. Vol.2 : 1312.

Burkill, I.H. (1996). *A dictionary of the economic products of the Malay Peninsular*, 2nd Edition. Ministry of Agriculture and Cooperative, Kuala Lumpur. Page 1302-1313.

Carlsson, J. (1968). A numerical taxonomic study of human oral streptococci. *Odontol Revy* 19:137-160.

- Chandarana, H., Baluja, S. and Chanda S.V. (2004). Comparison of antibacterial activities of selected species of Zingiberaceae family and some synthetic compounds. *Turkish Journal of Biology*, 29: 83-97.
- Chan, E.W.C., Lim, Y.Y. and Omar, M. (2007). Antioxidant and antibacterial activity of leaves Etlingera species (Zingiberaceae) in Peninsular Malaysia. *Food Chemistry*, 104: 1586-1593.
- Chen, I.N., Chang, C.C., Ng, C.C., Wang, C.Y., Shyu, Y.T. and Chang, T.L. (2008). Antioxidant and antimicrobial activity of Zingiberaceae plants in Taiwan. *Plant Foods for Human Nutrition*, 63:15-20.
- Cheng, Z., Moore, J. and Yu, L. (2006). High-throughput relative DPPH radical scavenging capacity assay. *Journal of Agricultural and Food Chemistry*, 54 (20): 7429-7436.
- Chon, S.K., Heo, B.K., Park, Y.S., Cho, J.Y., Gorinstein, S. (2008). Characteristics of the leaf parts of some traditional Korean salad plants used for food. *Journal of the Science of Food and Agriculture*, 88: 1963-1968.
- Cowan, M.M. (1999). Plant products as antimicrobial agents. *Clinical Microbiology Reviews*, 12 (4): 564-582.
- Dai, J. and Mumper, R.J. (2010). Plant Phenolics: Extraction, Analysis and Their Antioxidant and Anticancer Properties. *Molecules*, 15: 7313-7352.
- Devi, R.S. (2009). Essential oils and biological activities of three selected wild *Alpinia* species. Thesis Master of Science, Universiti Malaya (unpublished).
- Devienne, K.F. and Raddi, M.S.G. (2002). Screening for antimicrobial activity of natural products using a microplate photometer. *Brazilian Journal of Microbiology*, 33: 166-168.
- Donnenberg, M.S. and Whittam, T.S. (2001). Pathogenesis and evolution of virulence in enteropathogenic and enterohemorrhagic *Escherichia coli*. *The Journal of Clinical Investigation*, 107 (5): 539-548.
- Doughari, J.H. (2006). Antimicrobial activity of *Tamarindus indica* Linn. *Tropical Journal of Pharmaceutical Research*, 5 (2): 597-603.

Drobniewski, F.A. (1993). *Bacillus cereus* and Related Species. *Clinical Microbiology Reviews*, 6(4): 324-338.

Eloff, J.N. (1998). It is possible to use herbarium specimen to screen for antibacterial components in some plants. *Journal of Ethnopharmacology*, 67: 355-360.

Faridahanim, M.J., Che Puteh O., Nor Hadiani, I and Khalijah A. (2007). Analysis of essential oils of leaves, stems, flowers and rhizomes of *Etlingera elatior* (Jack) R.M.Smith. *The Malaysian Journal of Analytical Sciences*, 11 (1): 269-273.

Ficker, C.E., Smith, M.L., Susiarti, S., Leaman, D.J., Irawati, C. and Arnason, J.T. (2003). Inhibition of human pathogenic fungi by members of Zingiberaceae used by the Kenyah (Indonesian Brunei). *Journal of Ethnopharmacology*, 85: 289-293.

Gião M.S., Pereira, C. I., Fonseca, S.C., Pintado, M.E. and Xavier Malcata, F. (2009). Effect of particle size upon the extent of extraction of antioxidant power from the plants *Agrimonia eupatoria*, *Salvia sp.* and *Satureja Montana*. *Food Chemistry*, 117: 412-416.

Guo, D.J., Cheng H.L., Chan, S.W. and Yu, P.H.F (2008). Antioxidative activities and the total phenolic contents of tonic Chinese Medicinal Herbs. *Inflammopharmacology*, 16: 1-7.

Habsah, M., Amran, M., Mackeen, M.M., Lajis, N.H., Kikuzaki, H., Nakatani., N., Rahman, A.A., Ghafar and Ali, A.M. (2000). Screening of Zingiberaceae extracts for antimicrobial and antioxidant properties. *Journal of Ethnopharmacology*, 72: 403-410.

Habsah, M., Faridah A., Permana, D, Lajis, N.H., Ali, A.M., Sukari, M.A, Taufiq Y. Y. H., Kikuzaki,H., and Nakatani, N. (2004). DPPH free radical scavenger components from the fruits of *Alpinia rafflesiana* Wall. ex. Bak. (Zingiberaceae). *A Journal of Biosciences*, 59c: 811-815.

Haiwei, R. (2010).Antioxidant and free-radical scavenging activities of black soybean peptides (BSP). *International Journal of Agricultural and Biological Engineering*, 3 (2): 64-69.

Hamada, S. and Slade, H.D., (1980). Biology, immunology, and cariogenicity of *Streptococcus mutans*. *Microbiological reviews* 44(2): 331-384.

Hammer, K.A., Carson, C.F. and Riley, T.V. (1999). Antimicrobial activity of essential oils and other plant extracts. *Journal of Applied Microbiology*, 86: 985-990.

Hammer, K.A., Carson, C.F. and Riley, T.V. (1998). In vitro activity of essential oils, in particular *Melaleuca alternifolia* (tea tree) oil and tea tree oil products, against *Candida* spp. *Journal Antimicrobiology Chemotherapy*, 42: 591-595.

Handa, S.S (2008). An overview of extraction techniques for medicinal and aromatic plants. In *Extraction Technology for Medicinal and Aromatic Plants* (Ed). Handa, S.S., Khanuja, S.P.S., Longo, G. and Rakesh, D.D. International Centre for Science and High Technology, Trieste.

Harborne, J.B. (1998). *Phytochemical methods: A guide to modern techniques of plant analysis*. Chapman and Hall.

Hasnah, M.S. and Md. Rizal, L. (1995). Chemical constituents of *Alpinia purpurata*. *Pertanika Journal of Science and Technology*, 3(1): 67-71.

Hasnah, M.S. and Shajarahtunnur J. (1999). Chemical variation of *Alpinia*, *Curcuma* and *Kaempferia* species of Malaysia. *Phytochemical and Biopharmaceutins From The Malaysian Rain Forest*, 6: 40-48.

Holtum, R.E. (1950). The Zingiberaceae of the Malay Peninsula, *Gardens' Bulletin Singapore*, 13:1-249.

Hsu, W.Y., Simonne, A., Weissman, A. and Kim, J.K (2010). Antimicrobial activity of greater galangal [*Alpinia galanga* (Linn.) Swartz.] Flowers. *Food Science Biotechnology*, 19(4): 873-880.

Huang, W.Z., Dai, X.J., Liu, Y.Q, Zhang, C.F., Zhang, M. and Wang, Z.T. (2006). Studies on antibacterial activity of flavonoids and diarylheptanoids from *Alpinia katsumadai*. *Journal of Plant Resources and Environment* 15(1): 37-40.

Ibrahim, H. (2002). *Alpinia Roxb*. In *Plant Resources of South East Asia; Medicinal and poisonous plants 2* (Ed.) Van Valkenburg J.L.C.H and Bunyapraphatsara, N. Prosea Foundation, Bogor, Indonesia. 12(2): 52-61.

James, P.A. (1990). Comparison of four methods for the determination of MIC and MBC of Penicillin of *viridans Streptococci* and the implication for penicillin tolerance. *Journal of Antimicrobial Chemotherapy*, 25: 209-216.

Jantan, I. (2004). Medicinal plant research in Malaysia; Scientific Interests and Advances, *Jurnal Sains Kesihatan Malaysia* 2 (2): 27-46.

Jantan, I., Raweh, S.M., Sirat, H.M., Jamil, S. Y., Mohd Yasin, H., Jalil, J. and Jamal, J.A. (2008). Inhibitory effect of compounds from Zingiberaceae species on human platelet aggregation. *Phytomedicine* 15: 306–309.

Khalaf, N.A., Shakya A.K., Al-Othman, A, El-Agbar, Z. and Farah, H. (2008). Antioxidant activity of some common plants. *Turkish Journal of Biology*, 32: 51-55.

Killian, M., Mikkelsen, L., and Henrichsen, J. (1989). Taxonomic study of viridans Streptococci: Description of *Streptococcus gordonii* sp. nov. and emended descriptions of *Streptococcus sanguis* (White and Niven 1946), *Streptococcus oralis* (Bridge and Sneath 1982), and *Streptococcus mitis* (Andrewes and Horder 1906). *International Journal of Systematic Bacteriology*, 39 (4): 471-484.

Kramer, J.M. and Gilbert, R.J. (1989). *Bacillus cereus* and other *Bacillus* species. In Foodborne Bacterial Pathogens. (Ed) Doyle, M.P. Marcel Dekker, Inc., New York, 21-70.

Kress, W.J., Linda, M.P. and Kyle, J.W. (2002). The phylogeny and a new classification of the gingers (Zingiberaceae): Evidence from molecular data. *American Journal of Botany*, 89 (11): 1682-1696.

Kuhn, D.M., Mukherjee, P.K., Clark, T.A., Pujol, C., Chandra, J., Hajjeh, R.A., Warnock, D.W., Soll, D.R. and Ghannoum, M.A. (2004). *Candida parapsilosis*: Characterization in an outbreak setting. *Emerging Infectious Diseases*, 10 (6): 1074-1081.

Kuramitsu, H.K. (2001). Virulence properties of oral bacteria: Impact of molecular biology. *Current Issues in Molecular Biology*, 3(2): 35-36.

Lantz, R.C., Chen, G.J., Sarihan, M., So'lyom, A.M., Jolad, S.D. and Timmermann B.N. (2007). The effect of extracts from ginger rhizome on inflammatory mediator production. *Phytomedicine* 14: 123–128.

Larsen, K., Ibrahim, H., Khaw, S.H., Saw, L.G (1999). Gingers of Peninsular Malaysia and Singapore. Natural History Publications (Borneo), Kota Kinabalu.

Larsen, K. (2001). Progress in the study of Zingiberaceae for Flora Malesiana. In Proceedings of the Fourth International Flora Malesiana Symposium 1998 (Ed) Saw, L.G., Chua, L.S.L. and Khoo, K.C. FRIM, 143-147.

Lau, G.W., Hassett, D.J., Ran, H and Kong, F. (2004). The role of pyocyanin in *Pseudomonas aeruginosa* infection. *TRENDS in Molecular Medicine*, 10 (12): 599-606.

- Lee, S.E., Hwang, H.J., Ha, J.S., Jeong, H.S. and Kim, J.H. (2003). Screening of medicinal plant extracts for antioxidant activity. *Life Sciences*, 73: 167-179.
- Liljemark, W.F. and Bloomquist, C. (1996). Human oral microbial ecology and dental caries and periodontal diseases. *Critical Reviews in Oral Biology and Medicine*, 7(2):180-198.
- Logan, N.A. (1988). *Bacillus* species of medical and veterinary importance. *Journal of Medical Microbiology*, 25: 157-165.
- Loir, Y.L., Baron, F. and Gautier, M. (2003). *Staphylococcus aureus* and food poisoning. *Genetics and Molecular Research*, 2 (1): 63-76.
- Lo Scalzo, R. (2008). Organic acids influence on DPPH scavenging by ascorbic acid. *Food Chemistry*, 107: 40-43.
- Ly, T.N., Shimoyamada, M. , Kato, K. and Yamauchi, R. (2003). Isolation and characterization of some antioxidative compounds from the rhizomes of smaller galanga (*Alpinia officinarum* Hance). *Journal of Agricultural and Food Chemistry*, 51 (17): 4924-4929.
- Magalhães, L.M., Segundo, M.A., Reis, S. and Lima, J.L.F.C. (2008). Methodological aspects about in vitro evaluation of antioxidant properties. *Analytica Chimica Acta*, 613: 1-19.
- Maisuthisakul, P., Suttajit, M. and Pongsawatmanit, R. (2007). Assessment of phenolic content and free-radical scavenging capacity of some Thai indigenous plants. *Food Chemistry*, 100: 1409-1418.
- Malek, S.N.A, Phang, C.W., Ibrahim, H., Norhanom, A.W., Sim, K.S. (2011). Phytochemical and cytotoxic investigations of *Alpinia mutica* rhizomes. *Molecules*, 6 (1): 583-589.
- Matarante, A., Baruzzi, F., Cocconcelli, P.S. and Morea, M. (2004). Genotyping and toxigenic potential of *Bacillus subtilis* and *Bacillus pumilus* strains occurring in industrial and artisanal cured sausages. *Applied and Environmental Microbiology*, 70 (9): 5168–5176.
- Matsuyama, S., Nouraini, S. and Reed, J.C (1999). Yeast as a tool for apoptosis research. *Current Opinion in Microbiology*, 2:618–623.

- McKillip, J.L. (2000). Prevalence and expression of enterotoxins in *Bacillus cereus* and other *Bacillus* spp., a literature review. *Antonie van Leeuwenhoek*, 77: 393–399.
- Merh, P.S., Daniel, M. and Sabnis S.D. (1986). Chemistry and taxonomy of some members of Zingiberales. *Current Science*, 55 (17): 835-839.
- Mitscher, L.A, Leu, R, Bathala, M.S, Wu, W, Beal, J.L. (1972). Antimicrobial agents from higher plants. Introduction, rational, and methodology. *Lloydia* 35: 157-166
- Molero, G., Díez-Orejas,R., Navarro-García, F., Monteoliva,L., Pla, J.,Gil,C., Sánchez-Pérez, M. and Nombela, C. (1998). *Candida albicans*: genetics, dimorphism and pathogenicity. *International Microbiology*, 1:95–106.
- Murray, P.A., Levine, M.J., Tabak, L.A. and Reddy, M.S. (1984). Neuraminidase activity: A biochemical marker to distinguish *Streptococcus mitis* from *Streptococcus sanguis*. *Journal of Dental Research*, 63(2):111-113 .
- Naglik, J., Albrecht, A., Bader, O. and Hube, B. (2004). *Candida albicans* proteinases and host/pathogen interactions. *Cellular Microbiology*, 6 (10): 915–926.
- Najihah, M.H., Mawardi, R., Hazar Bebe M.I., M. Aspollah, S., A. Manaf, A. and Gwendoline, E.C.L. (2009). Biological activities of four *Melicope* species. *Sains Malaysiana*, 38(5): 767-771.
- Natta, L., Orapin, K., Krittika, N. and Pantip, B. (2008). Essential oil from five Zingiberaceae for anti food-borne bacteria. *International Food Research Journal* 15(3): 337-346.
- Ncube N. S., Afolayan A. J. and Okoh A. I (2008). Assessment techniques of antimicrobial properties of natural compounds of plant origin: current methods and future trends. *African Journal of Biotechnology*, 7 (12): 1797-1806.
- NCCLS (National Committee for Clinical Laboratory Standards) (2003). Methods for dilution antimicrobial susceptibility tests of bacteria that grow aerobically. In *Approved Standard M100-S12*. Wayne. PA, NCCLS; 2002.
- Norajit, K., Laohakunjit, N and Kerdchoechuen O. (2007). Antibacterial effect of five Zingiberaceae essential oil. *Molecules*, 12: 2047-2060.
- Nosek, J., Holesova Z., Kosa P., Gacser A., and Tomaska, L.(2009). Biology and genetics of the pathogenic yeast *Candida parapsilosis*. *Current Genetics*, 55:497–509.

Nostro, A., Cannatelli, M.A., Crisafi, G., Musolino, A.D., Procopio, F. and Alonzo, V. (2004). Modifications of hydrophobicity, in vitro adherence and cellular aggregation of *Streptococcus mutans* by *Helichrysum italicum* extract. *Letters in Applied Microbiology* 38: 423–427.

Nuntawong, N and Suksamrarn, A (2008). Chemical constituents of the rhizomes of *Alpinia malaccensis*. *Biochemical Systematics and Ecology*, 36: 661–664.

Nyvad, B. and Killian, M (1987). Microbiology of the early colonization of human enamel and root surfaces in vivo. *Scandinavian Journal of Dental Research*, 95(5):369-80.

Ong, H. C. and Norzailina, J. (1998). Malay herbal medicine in Gemencheh, Negeri Sembilan, Malaysia. *Fitoterapia*, 70: 10-14.

Oonmetta-aree, J., Suzuki, T., Gasaluck, P., and Eumkeb, G. (2006). Antimicrobial properties and action of galangal (*Alpinia galanga* Linn.) on *Staphylococcus aureus*. *LWT-Food Science and Technology*, 39(10): 1214–1220.

Paiva, P.M.G, Gomes, F.S., Napolão, T.H., Sá R.A., Correia, M.T.S., Coelho, L.C.B.B. (2010). Antimicrobial activity of secondary metabolites and lectins from plants. *Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology*, 396-406.

Parekh, J., Jadeja, D. and Chanda, S. (2005). Efficacy of aqueous and methanol extracts of some medicinal plants for their antibacterial activity. *Turkish Journal of Biology*, 29; 203-210.

Park, R.Y., Sun, H.Y., Choi, M.H., Bai, Y.H., Chung, Y.Y. and Shin, S.H. (2006). Proteases of a *Bacillus subtilis* clinical isolate facilitate swarming and siderophore mediated iron uptake via proteolytic cleavage of transferrin. *Biological and Pharmaceutical Bulletin*, 29 (4):850—853.

Peerbooms, P.G.H., Verweij, A.M.J.J. and MacLaren, D.M. (1985). Uropathogenic properties of *Proteus mirabilis* and *Proteus vulgaris*. *Journal of Medical Microbiology*, 19: 55-60.

Pitt, J.I and Hocking, A.D. (2009). *Fungi and Food Spoilage* 3rd Edition. Springer Science, New York, 419.

Pitt, J.I and Hocking, A.D. (1985). *Fungi and Food Spoilage*. Academic Press, Australia, 358-359.

Poeta, M.D., Schell, W.A., Dykstra, C.C., Jones, S.K., Tidwell, R.R., Kumar, A., Boykin, D.W. and Perfect, J.R. (1998). In-vitro antifungal activities of a series of dication-substituted carbazoles, furans and benzimidazoles. *Antimicrobial Agents and Chemotherapy*, 42 (10). 2503-2510.

Policegoudra, R.S., Swaroop Kumar, M.H. and Aradhya, M.S. (2007). Accumulation of bioactive compounds during growth and development of mango ginger (*Curcuma amada* Roxb.) rhizomes. *Journal of Agricultural and Food Chemistry*, 55: 8105-8111.

Prakash, A. (2001). Antioxidant activity. *Analytical Progress Medallion Laboratories*, 19 (2): 1-6.

Prakash, O., Joshi S. and Pant, A.K. (2006). Volatile constituents of rhizomes and leaves *Alpinia allughas* Roscoe. *Journal of Essential Oil Research*, from <http://www.findarticles.com/p/articles/>

Ramlan, A.Z. and Mohamad Roji, S. (2000). *Processing of herbs and herbal products*. In Proceedings of the Seminar of medicinal and aromatic plants: Towards bridging science and herbal industries (Ed.) Chang, Y.S., Mastura, M., Vimala, S and Zainon, A.S. FRIM, 1-8.

Ramli, A.G. (2000). *Regulation on Herbal Products*. In Proceedings of the Seminar of medicinal and aromatic plants: Towards bridging science and herbal industries (Ed.) Chang, Y.S., Mastura, M., Vimala, S and Zainon, A.S. FRIM, 9.

Rasadah, M.A. and Li, A.R. (2009). Nutraceutical and cosmetic products develop from malaysian biodiversity resources. In Biodiversity and National Development; Achievements, Opportunities and Challenges (Ed.) Sen, Y.H. Akademi Sains Malaysia, 96-102.

Ridley, H.N. (1924). *The flora of the Peninsular Malaysia*. Vol IV-Monocotyledones. L.Reeve and Co. Ltd., 227-285.

Rios, J.L and Recio, M.C. (2005). Medicinal plants and antimicrobial activity. *Journal of Ethnopharmacology*, 100: 80-84.

Różalski, A., Sidorczyk, Z. and Kotelko, K. (1997). Potential virulence factors of *Proteus* bacilli. *Microbiology and Molecular Biology Reviews*, 61(1): 65-89.

Rozanida A.R. (2007). Bioactivities of of selected Zingiberaceae species for potential personal care application. Thesis Master of Science, Universiti Malaya (unpublished).

Ryan, K.J and Ray, C.G. (2004). Sherris Medical Microbiology; An Introduction to Infectious Diseases 4th Edition. McGraw-Hill, USA.

Sabulal, B., Dan, M., Pradeep N.S. Valsamma, R.K. and George, V. (2006). Composition and antimicrobial activity of essential oil from the fruits of *Amomum cannicarpum*. *Acta Pharm*, 56 : 473–480.

Sabulal, B. and George, V. (2006). Phytochemical techniques in herbal drug research. In *Herbal Drugs: A Twenty First Century Perspective* (Ed.) Sharma R.K and Arora, R. Jaypee Brothers Medical Publishers, 60-69.

Sacchetti, G., Maietti, S., Muzzoli, M., Scaglianti, M., Manfredini, S., Radice, M. and Bruni, R. (2005). Comparative evaluation of 11 essential oils of different origin as functional antioxidants, antiradicals and antimicrobials in foods. *Food Chemistry*, 91: 621-632.

Saeed, M.A., Haque A., Ali, A, Mohsin, M., Bashir, S., Tariq, A., Afzal A., Iftikhar, T., and Sarwar, Y. (2009). Relationship of drug resistance to phylogenetic groups of *E. coli* isolates from wound infections. *Journal of Infection in Developing Countries*, 9: 667-670.

Sampathkumar, P., Dheeba, B., Vidhyasagar, V., Arulprakash, T. and Vinothkannan, R. (2008). Potential antimicrobial activity of various extracts of *Bacopa monnieri* (Linn). *International Journal of Pharmacology*, 4(3): 230-232.

Sawamura, R., Sun, Y., Yasukawa, K., Shimizu, T., Watanabe, W. and Kurokawa, M. (2010). Antiviral activities of diarylheptanoids against influenza virus in vitro. *Journal of Natural Medicines*, 64: 117-120.

Scherer, S. and Magee, P.T. (1990). Genetics of *Candida albicans*. *Microbiological Reviews*, 54(3): 226-241.

Senior, B.W. (1999). Investigation of the types and characteristics of the proteolytic enzymes formed by diverse strains of *Proteus* species. *Journal of Medical Microbiology*, 48: 623-628.

Shan, B., Yi-Zhong, C., John, D.B. and Harold, C. (2007). The in vitro antibacterial activity of dietary spice and medicinal herb extracts. *International Journal of Food Microbiology*, 117: 112-119.

Sharma, K.D. and Hashinaga, F. (2004). *Alpinia* leaf extract: A prospective natural food preservative. *Journal of Scientific and Industrial Research*, 63:689-693.

Siddiq Ibrahim A.W., Abdel Wahab H.M, Osama Y.M., Manal Mohamed E.T., Ahmad Bustamam A. and Adel Sharaf A. (2008). Serotonergic properties of the roots of *Clerodendron capitatum*. *American Journal of Biochemistry and Biotechnology*, 4: 425-430.

Slavkin, H.C. (1999). *Streptococcus mutans*, early childhood caries and new opportunities. *The Journal of American Dental Association*, 130: 1787-1792.

Soepadmo, E. (2000). *Documentation and Conservation of Malaysian Aromatic Plants-An Update*. In Proceedings of the Seminar of medicinal and aromatic plants: Towards bridging science and herbal industries (Ed.) Chang, Y.S., Mastura, M., Vimala, S and Zainon, A.S. FRIM, 82-99.

Souri, E., Amin, G., Farsam, H., Jalalizadeh H. and Barezi, S. (2008). Screening of Thirteen Medicinal Plant Extracts for Antioxidant Activity. *Iranian Journal of Pharmaceutical Research*, 7 (2): 149-154.

Srividya, A.R., Dhanabal, S. P., Misra, V. K. and Suja, G. (2010). Antioxidant and antimicrobial activity of *Alpinia officinarum*. *Indian Journal of Pharmaceutical Sciences*, 72(1): 145–148.

Sultana B, Anwar, F. and Ashraf, M. (2009). Effect of extraction solvent / technique on the antioxidant activity of selected medicinal plant extracts. *Molecules* 14: 2167-2180.

Teoh, H.L. (2007). Synthetis, characterization and antimicrobial activity of some hydrazone derivatives. Dissertation Master of Science, Universiti Malaya (unpublished).

Todar, K. (2008). *Staphylococcus aureus* and *Staphylococcal* disease. Todar's Online Textbook of Bacteriology, <http://textbookofbacteriology.net/staph.html>.

Trofa, D., Gácsér, A. and Nosanchuk, J.D. (2008). *Candida parapsilosis*, an emerging fungal pathogen. *Clinical Microbiology Reviews*, 21 (4) : 606–625.

Ulukanli, Z. and Akkaya, A. (2010). Antibacterial Activities of *Marrubium catariifolium* and *Phlomis pungens* Var. Hirta Grown Wild in Eastern Anatolia, Turkey. *International Journal and of Agriculture and Biology*, 13 (1): 105-109.

Uthayarasa, K., Pathmanathan, K., Jayadevan, J.P. and Jayaseelan, E.C. (2010). Antibacterial activity and qualitative phytochemical analysis of medicinal plant extracts obtained by sequential extraction method. *International Journal of Intergrative Biology*, 10 (2): 76-81.

Victório C.P., Lage, C.L.S. and Kuster, R.M. (2009). Flavonoid extraction from *Alpinia zerumbet* (Pers.) Burt et Smith leaves using different techniques and solvents. *Eclética Química*, 34(1): 19-24.

Vilas-Bôas G.T., Peruca, A.P.S. and Arantes, O.M.N. (2007). Biology and taxonomy of *Bacillus cereus*, *Bacillus anthracis* and *Bacillus thuringiensis*. *Canadian Journal of Microbiology*, 53: 673-687.

Vimala, S., Adenan M.I., Ahmad, A.R. and Shahdan, R. (2003). Nature's Choice to Wellness. Antioxidant Vegetables / Ulam. FRIM.

Voravuthikunchai, S.P., Limsuwan, S., Supapol, O. and Subhadhirasakul, S. (2006). Antibacterial activity of extracts from family Zingiberaceae against foodborne pathogens. *Journal of Food Safety*, 26: 325–334.

Walker, T.S., Bais, H.P., De'ziel, E., Schweizer, H.P., Rahme, L.G., Fall, R. and Jorge M., Vivanco, J.M. (2004). *Pseudomonas aeruginosa*-Plant Root Interactions. Pathogenicity, Biofilm Formation, and Root Exudation. *Plant Physiology*, 134:320-331.

Westergren, G. and Olsson, J. (1983). Hydrophobicity and adherence of oral Streptococci after repeated subculture in vitro. *Infection and Immunity*, 40 (1): 432-435.

White, J. C., and Niven, Jr.C. F. (1946). *Streptococcus* S.B.E.: a streptococcus associated with subacute bacterial endocarditis. *Journal of Bacteriology*, 51:717-722.

Wilkinson, J.M. (2006). Methods for testing the antimicrobial activity of extracts. In Modern Phytomedicine (Ed). Ahmad, I., Aqil, F. and Owais M. Wiley-VCH Verlag GmbH and Co. KGaA, Weinheim.

Wojcikowski, K., Stevenson, L., Leach, D., Wohlmuth, H. and Gobe, G. (2007). Antioxidant capacity of 55 medicinal herbs traditionally used to treat the urinary system: A comparison using a sequential three-solvent extraction process. *The Journal of Alternative and Complementary Medicine*, 13 (1):103-109.

Zahra, A., Manijeh, A. and Maryam, M. (2009). Inhibitory effects of ginger extract on *Candida albicans*. *American Journal of Applied Sciences*, 6 (6): 1067-1069.

Zhang, J., Dou, J., Zhang, S., Liang, Q. and Meng, Q. (2010). Chemical composition and antioxidant properties of the essential oil and methanol extracts of rhizome *Alpinia officinarum* from China in vitro. *African Journal of Biotechnology*, 9 (27): 4264-4271.