

## เอกสารอ้างอิง

กรมส่งเสริมการเกษตร, 2542, การป้องกันและรักษาพืช [Online], Available: <http://www.servicelink.doae.go.th/webpage/book%20PDF/crop/c020.pdf> [2013, January 5].

เฉลิมพงษ์ แสนจุ่ม และ ไชยวัฒน์ ไชยสุต, 2547, การประเมินฤทธิ์ต้านออกซิเดชันของสารสกัดกระชายดำและน้ำหมักชีวภาพที่สกัดจากกระชายดำ [Online], Available: [http://www.irpus.org/project\\_file/2547\\_2006-08-23\\_R10003-47.pdf](http://www.irpus.org/project_file/2547_2006-08-23_R10003-47.pdf) [2013, January 5].

ธีระพงษ์ ขันทดเจริญ, 2554, บริมาณสารฟินอลิกและสารเรสเวร่าโอลในเปลือกและเมล็ดองุ่น 4 พันธุ์, วิทยานิพนธ์ปริญญาวิทยาศาสตร์มหาบัณฑิต, สาขาวิชาเทคโนโลยีชีวเคมี คณะทรัพยากรชีวภาพและเทคโนโลยี มหาวิทยาลัยพระจอมเกล้าชนบุรี, 149 หน้า.

นิชิยา รัตนาปนนท์, 2539, เคมีอาหาร, สำนักพิมพ์มหาวิทยาลัยเชียงใหม่, เชียงใหม่, 340 หน้า.

เบญจวรรณ ชื่อสัตย์, 2542, น้ำมันหอมระ夷จากพืชสมุนไพรที่ป้องกันภาคเหนือของไทย, วิทยานิพนธ์ปริญญาวิทยาศาสตร์มหาบัณฑิต สาขาวิชาการสอนเคมี มหาวิทยาลัยเชียงใหม่, 532 หน้า.

พิมพ์ ลีลาพรพิสิฐ, 2545, สุคนธ์บำบัด, คณะเภสัชศาสตร์ มหาวิทยาลัยเชียงใหม่, 175 หน้า.

มาตรฐานสินค้าเกษตรและอาหารแห่งชาติ, 2547, มาตรฐานสินค้าเกษตรและอาหารแห่งชาติ เนื้อสุกร, กระทรวงอุตสาหกรรม, 2547, กรุงเทพมหานคร.

ยุวดี จอมพิทักษ์, 2545, กระเทียม สมุนไพรชั้นเลิศของโลก, กรุงเทพมหานคร, 120 หน้า.

รัตนา อินทรานุปกรณ์, 2547, การตรวจสอบและสกัดแยกสารสำคัญจากพืชสมุนไพร, สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, กรุงเทพมหานคร, 215 หน้า.

รานี สุวรรณพุกษ์, 2549, เคมีทัวไปเล่ม 2, พิมพ์ครั้งที่ 1, สำนักพิมพ์วิทยพัฒน์, กรุงเทพมหานคร, 588 หน้า.

สมใจ บรรพชัยพันธุ์งาม, 2549, อิทธิพลของอุณหภูมิ เวลา และตัวทำละลายที่มีต่อการสกัดสารเเคร่ร์ คุณจากมนุษย์, วารสารวิศวกรรมสารอาหารวิทยาลักษณ์แก่น, ฉบับที่ 33, หน้า 225-236.

สำนักงานคณะกรรมการอาหารและยา, 2546, ประกาศสำนักงานคณะกรรมการอาหารและยา [Online], Available: <http://newsser.fda.moph.go.th/food/Law%20Announcement%20of%20the%20Food%20and%20Drug%20Administration%20.php> [2013, January 5].

สำนักงานเศรษฐกิจการเกษตร, 2535, วิเคราะห์นโยบายการจัดการผลิตและการตลาดหม้อน้ำใหญ่, เอกสารเศรษฐกิจการเกษตรเลขที่ 78/2535 กระทรวงเกษตรและสหกรณ์, 218 หน้า.

สมณฑา วัฒนสินธุ์, 2545, จุลินทรีย์ที่มีความสำคัญในอาหาร, จุลชีววิทยาทางอาหาร (Food Microbiology), โรงพยาบาลวิทยาลัยธรรมศาสตร์, กรุงเทพมหานคร, หน้า 24-34.

แสงหล้า คำหมื่น, 2543, น้ำมันหม้อน้ำ夷จากพืชสมุนไพรผักสวนครัวไทย, มหาวิทยาลัยเชียงใหม่, เชียงใหม่.

อมรรัตน์ ตั้งสกุล, 2550, การผลิตสารป้องกันโรคจากโอลีโอเรชินหม้อน้ำใหญ่ชนิดผงโดยการอ่อนแปรชีวนิรภัย, วิทยานิพนธ์ปริญญาวิทยาศาสตร์บัณฑิต สาขาวิชาเทคโนโลยีชีวเคมี คณะทรัพยากรชีวภาพและเทคโนโลยี มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี, 109 หน้า.

อรัญญา โนนสร้อย และ จิรเดช มโนนสร้อย, 2548, น้ำมันหม้อน้ำ夷และสารสกัดจากสมุนไพรไทย: การใช้ยาและเครื่องสำอางค์, โรงพิมพ์ครองช่าง, เชียงใหม่, 265 หน้า.

อินทิรา หาญพงษ์พันธุ์ และ บัญชา พูลโภค, 2547, เอกสารประกอบการสอนโครงการเปิดประทุมมหาวิทยาลัย เรื่องสารและสมบัติของสาร, ภาควิชาเคมี, คณะวิทยาศาสตร์, จุฬาลงกรณ์มหาวิทยาลัย, กรุงเทพมหานคร, 17 หน้า.

โภกา วัชระคุปต์, 2549, สารต้านอนุมูลอิสระ, พี. เอส. พรินท์, กรุงเทพมหานคร, 200 หน้า.

Adams, M.R. and Moss, M.O., **Food Microbiology**, UK RSC Publishing, Cambridge, 463 p.

Adeshina, G.O., Jibo, S., Agu, V.E. and Ehinmidu, J.O., 2011, "Antibacterial Activity of Fresh Juices of *Allium cepa* and *Zingiber officinale* Against Multidrug Resistant Bacteria", **International Journal of Pharma and Bio Sciences**, Vol. 2, pp. 289-295.

Al-Bayati, F.A., 2008, "Synergistic Antibacterial Activity between *Thymus vulgaris* and *Pimpinella anisum* Essential Oils and Methanol Extracts", **Journal of Ethnopharmacology**, Vol. 116, pp. 403-406.

Ankri, S. and Mirelman, D., 2001, "Antimicrobial Properties of Allicin from Garlic", **Journal of Microbes and Infection**, Vol. 2, pp. 125-129.

Anonymous, 1970, "Maceration and Percolation", **Flavour Industry**, Vol. 1, pp. 449-451.

Athanasiou, C.K., Nikolaos, G.S., Dimitra, J.P., Petros, A.T., Christos, S.P. and Moschos, G.P., 2006, "Comparison of Distillation and Ultrasound-Assisted Extraction Methods for the Isolation of Sensitive Aroma Compounds from Garlic", **Journal of Ultrasonics Sonochemistry**, Vol. 13, pp. 54-60.

Avato, P., Tursil, E., Vitali, C., Miccolis, V. and Caddido, V., 2000, "Allyl Sulfide Constituents of Garlic Volatile Oil as Antimicrobial Agents", **Phytomedicine**, Vol. 7, pp. 239-243.

Bakri, I.M. and Douglas, C.W.I., 2005, "Inhibitory Effect of Garlic Extract on Oral Bacteria", **Archives of Oral Biology**, Vol. 50, pp. 645-651.

Benkeblia, N. and Virginia, L., 2007, "Allium Thiosulfimates: Chemistry, Biological Properties and their Potential Utilization in Food Preservation", **Food @2007 Global Science Books**, Vol. 1, No. 2, pp. 193-201.

Benkeblia, N., 2004, "Antimicrobial Activity of Essential Oil Extracts of Various Onions (*Allium cepa*) and Garlic (*Allium sativum*)", **Lebensmittel-Wissenschaft und-Technologie**, Vol. 37, pp. 263-268.

Bois, M.S., 1958, "Antioxidant Determination by the Use of a Stable Free R.", **Nature**, Vol. 181, pp. 1199-1200.

Brand-Williams, W., Cuvelier, M.E. and Berset, C., 1995, "Use of a Free Radical Method to Evaluate Antioxidant Activity", **Lebensmittel-Wissenschaft und-Technologie**, Vol. 28, pp. 25-30.

Cai, Y., Luo, Q., Sun, M. and Corke, H., 2004, "Antioxidant Activity and Phenolic Compounds of Traditional Chinese Medicinal Plants Associated with Anticancer", **Life Sciences**, Vol. 74, pp. 2157-2184.

Chang, T.C., Ting, H.C., Tzen, S.C., Lin, S.F., Huang, Y.C. and Jang, H.D., 2013, "A Comparative Study on the Total Antioxidant and Antimicrobial Potentials of Ethanolic Extracts from Various Organ Tissues of *Allium* spp.", **Food and Nutrition Sciences**, Vol. 4, pp. 182-190.

Cheng, A., Chen, X., Jin, Q., Wang, W., Shi, J. and Liu, Y., 2013, "Comparison of Phenolic Content and Antioxidant Capacity of Red and Yellow Onions", **Czech Journal of Food Sciences**, Vol. 31, pp. 501-508.

Chun-Lin, Y., De-Hui, D. and Wei-Lian, H., 2013, "Antimicrobial and Antioxidant Activities of the Essential Oil from Onion (*Allium cepa* L.)", **Journal of Food Control**, Vol. 30, pp. 48-53.

Crozier, A., Jaganath, I.B. and Clifford, M.N., 2006, "Phenols, Polyphenols and Tannins: An Overview", In **Plant Secondary Metabolites and the Human Disease**, Crozier, A., Ashihara, H. and Clifford, M.N. (Eds.), Oxford: Blackwell Publishing, pp. 1-31.

de Queiroz, Y.S., Antunes, P.B., Vicente, S.J.V., Sampaio, G.R., Shibao, J., Bastos, D.H.M. and da S. Torres, E.A.F., 2014, "Bioactive Compounds, *In Vitro* Antioxidant Capacity and Maillard Reaction Products of Raw, Boiled and Fried Garlic (*Allium sativum* L.)", **International Journal of Food Science & Technology**, Vol. 49, pp. 1308-1314.

- Dziri, S., Hassen, I., Fatnassi, S., Mrabet, Y., Casabianca, H., Hanchi, B. and Hosni, K., 2012, "Phenolic Constituents, Antioxidant and Antimicrobial Activities of Rosy Garlic (*Allium roseum* var. *odoratissimum*)", **Journal of Functional Foods**, pp. 1-10.
- Ekwenye and Elegalam, 2005, "Antibacterial Activity of Ginger (*Zingiber officinale* Roscoe) and Garlic (*Allium sativum* L.) Extracts on *Escherichia coli* and *Salmonella typhi*", **International Journal of Molecular Medicine and Advance Science**, Vol. 1, pp. 411-416.
- Eltaweeel, M., 2013, "Assessment of Antimicrobial Activity of Onion Extract (*Allium cepa*) on *Staphylococcus aureus*; *In Vitro* Study", **International Conference on Chemical, Agricultural and Medical Sciences**, pp. 29-30.
- Falleh, H., Ksouri, R., Lucchessi, M.E., Abdelly, C. and Magné, C., 2012, "Ultrasound-Assisted Extraction: Effect of Extraction Time and Solvent Power on the Levels of Polyphenols and Antioxidant Activity of *Mesembryanthemum edule* L. Aizoaceae Shoots", **Tropical Journal of Pharmaceutical**, Vol. 11, pp. 243-249.
- Farías-Campomanes, A.M., Horita, C.N., Pollonio, M.A.R. and Meireles, M.A.A., 2014, "Allicin-Rich Extract Obtained from Garlic by Pressurized Liquid Extraction: Quantitative Determination of Allicin in Garlic Samples", **Food and Public Health**, Vol. 4, pp. 272-278.
- Fattorusso, E., Iorizzi, M., Lanzotti, V. and Taglialatela-Scafati, O., 2002, "Chemical Composition of Shallot (*Allium ascalonicum* Hort.)", **Journal of Agricultural and Food Chemistry**, Vol. 50, pp. 5686-5690.
- Fidrianny, I., Permatasari, L. and Wirasutisna, K.R., 2013, "Antioxidant Activities from Various Bulbs Extracts of Three Kinds Allium Using DPPH, ABTS Assays and Correlation with Total Phenolic, Flavonoid, Carotenoid Content", **International Journal of Research in Pharmaceutical Sciences**, Vol. 4, pp. 438-444.

Ghosh, A. and Fischer, P., 2006, "Chiral Molecules Split Light: Reflection and Refraction in a Chiral Liquid", **Physical Review Letters**, 97, 173002. Featured highlight 'Fundamental optical physics: Refraction' Nature Photonics, Nov. 2006.

Gomez, E. J., López, L.A., Lopez, C.M.E., Gomez, G.M.C. and Montero, P., 2010, "Biodegradable Gelatin-Chitosan Films Incorporated with Essential Oils as Antimicrobial Agents for Fish Preservation", **Journal of Food Microbiology**, Vol. 27, pp. 889-896.

Graefe, E.U., Wittig, J., Mueller, S., Riethling, A.K., Uehleke, B., Drewelow, B., Pforte, H., Jacobasch, G., Derendorf, H. and Veit, M., 2001, "Pharmacokinetics and Bioavailability of Quercetin Glycosides in Human," **Journal of Clinical Pharmacology**, Vol. 41, pp. 492-499.

Groppi, F.C., Ramacciato, J.C., Motta, R.H., Ferraresi, P.M. and Sartoeatto, A., 2007, "Antimicrobial Activity of Garlic Against Oral Streptococcus", **International Journal of Dental Hygiene**, Vol. 5, pp. 109-114.

Hamza, H.J., 2014, "*In Vitro* Antimicrobial Activity of Garlic, Onion, Garlic-Onion Combination (Aquatic and Oil) Extract on some Microbial Pathogens in Babylon Province IRAQ", **World Journal of Pharmacy and Pharmaceutical Sciences**, Vol. 3, pp. 65-78.

Hannan, A., Humayun, T., Hussain, M.B., Yasir, M., Sikandar, S., 2010, "*In Vitro* Antibacterial Activity of Onion (*Allium cepa*) Against Clinical Isolates of *Vibrio cholera*", **Journal of Ayub Medical College Abbottabad**, Vol. 22, pp. 160-163.

Harauma, A. and Moriguchi, T., 2006, "Aged Garlic Extract Improved Blood Pressure in Spontaneously Hypertensive Rats more Safely than Raw Garlic", **Journal of Nutrition**, Vol. 136, pp. 769S-773S.

Hoover, D.G., 2000, "Ultrasound", **Journal of Food Science**, Vol. 65, pp. 93-95.

Idoh, E., Hovana, K., James, U.S., James, E., Egbobor, E.M., Egba, A.G., Eta, E.S. and Nwakaku, O.A., 2011, “Antibacterial and Phytochemical Studies of *Allium sativum*”, **New York Journal of Science**, Vol. 4, pp.123-128.

Iqbal, S. and Bhanger, M.I., 2007, “Stabilization of Sunflower Oil by Garlic Extract during Accelerated Storage”, **Food Chemistry**, Vol. 100, pp. 246-254.

Iwalokun, B.A., Ogunledun, A., Ogbolu, D.O., Bamiro, S.B. and Jimi-Omoyola, J., 2004, “*In Vitro* Antimicrobial Properties of Aqueous Garlic Extract Against Multidrug-Resistant Bacteria and Candida Species from Nigeria”, **Journal of Medicinal Food**, Vol. 7, pp. 327-333.

Johnson, O.O., Ayolal, G.A. and Adenipekun, T., 2013, “Antimicrobial Activity and the Chemical Composition of the Volatile Oil Blend from *Allium sativum* (Garlic Clove) and *Citrus reticulata* (Tangerine Fruit)”, **International Journal of Pharmaceutical Sciences and Drug Research**, Vol. 5, pp. 187-193.

Kapoor, I.P.S., Singh, B. and Singh G., Isidorov, V. and Szczepaniak, L., 2008, “Chemistry, Antifungal and Antioxidant Activities of Cardamom (*Amomum subulatum*) Essential Oil and Oleoresins”, **International Journal of Essential Oil Therapeutics**, Vol. 2, pp. 29-40.

Khanum, F., Anilakumar, K.R. and Viswanathan, K.R., 2004, “Anticarcinogenic Properties of Garlic: A Review”, **Critical Reviews in Food Science and Nutrition**, Vol. 44, pp. 479-488.

Kim, S., Binzel, M.L., Yoo, K.S., Park, S. and Pike, L.M., 2004, “A New Locus Responsible for a Pink Trait in Onions (*Allium cepa*) Resulting from Natural Mutations of Anthocyanidin Synthase”, **Molecular Genetics and Genomics**, Vol. 272, pp. 18-27.

Lambert, R.J.W., Skandamis, P.N., Coote, P. and Nychas, G.J.E., 2001, “A Study of Minimum Inhibitory Concentration and Mode of Action of Oregano Essential Oil, Thymol and Carvacrol” **Journal of Applied Microbiology**, Vol. 91, pp. 453-462.

Lanzotti, V., 2006, "The Analysis of Onion and Garlic", **Journal of Chromatography A**, Vol. 1112, pp. 1-20.

Lee, S.N., Kim, N.S. and Lee, D.S., 2003, "Comparative Study of Extraction Techniques for Determination of Garlic Flavor Components by Chromatography-Mass Spectrometry", **Journal of Analytical Bioanalytical Chemistry**, Vol. 377, pp. 749-756.

Li, B., Kung, J. and Liebermann, R.C., 2004, "Modern Techniques in Measuring Elasticity of Earth Materials at High Pressure and High Temperature Using Ultrasonic Interferometry in Conjunction with Synchrotron X-Radiation in Multi-Anvil Apparatus", **Physics of the Earth and Planetary Interiors**, Vol. 143-144, pp. 559-574.

Lowy, F.D., 2003, "Antimicrobial Resistance: The Example of *Staphylococcus aureus*", **Journal of Clinical Investigation**, Vol. 111, pp. 1265-1273.

Makris, D.P. and Rossiter, J.T., 2001, "Domestic Processing of Onion Bulbs (*Allium Cepa*) and Asparagus Spears (*Asparagus officinalis*): Effect on Flavonol Content and Antioxidant Status", **Journal of Agriculture Food Chemistry**, Vol. 49, pp. 3216-3222.

Marta, C.M., Nieves, C. and Mar, V., 2007, "Biological Properties of Onion and Garlic", **Journal of Food Science and Technology**, Vol. 18, pp. 609-625.

Massa, S., Caruso, M., Trovatelli, F. and Tosques, M., 1998, "Comparison of Plate Count Agar and R2A Medium for Enumeration of Heterotrophic Bacteria in Natural Mineral Water", **World Journal of Microbiology and Biotechnology**, Vol. 14, pp. 727-730.

Mayrhofer, S., Paulsen, P., Frans Smulders, J.M. and Hilbert, F., 2004, "Antimicrobial Resistance Profile of Five Major Food-borne Pathogens isolated from Beef, Pork and Poultry", **Journal of Food Microbiology**, Vol. 97, pp. 23-29.

Melvin, J.M., Jayachitra, J. and Vijayapriya, M., 2009, "Antimicrobial Activity of some Common Spice Against Certain Human Pathogens", **Journal of Medicinal Plants Research**, Vol. 3, pp. 1134-1136.

Miean, K.H. and Mohamed, S., 2001, "Flavonoid (Myricetin, Quercetin, Kaempferol, Luteolin and Apigenin) Content of Edible Tropical Plants", **Journal of Agricultural and Food Chemistry**, Vol. 49, pp. 3106-3112.

Morel, I., Cillard, P. and Cillard, J., 1998, "Flavonoid-metal Interactions in Biological System", In **Flavonoids in Health and Disease (3<sup>rd</sup>)**, Rice-Evans, C.A. and Packer, L. (Eds.), New York, pp. 163-177.

Morrison, R.T. and Boyd, R.N., 1975, **Organic Chemistry**, Allyn and Bacon, 3<sup>rd</sup> Ed., Needham Heights, Mass.

Mukhtar, S. and Ghori, I., 2012, "Antibacterial Activity of Aqueous and Ethanolic Extracts of Garlic, Cinnamon and Turmeric Against *Escherichia coli* ATCC 25922 and *Bacillus subtilis* DSM 3256", **International Journal of Applied Biology and Pharmaceutical Technology**, Vol. 3, pp. 131-136.

Mullika, T.C., Surassmo, S., Wongsariya, K. and Nuntavan, B., 2009, "Antibacterial Activity of Thai Medicinal Plants Against Methicillin-resistant *Staphylococcus aureus*", **Journal of Fitoterapia**, Vol. 80, pp. 102-104.

Nissui, 2009, "Compact Dry Nissui", **Edition of the Nissui Product Catalogue**, Nissui Pharmaceutical Co., Ltd, 56 p.

Nuutila, A.M., Puupponen-Pimia, R., Aarni, M. and Oksman-Caldentey, K.-M., 2003, "Comparison of Antioxidant Activities of Onion and Garlic Extracts by Inhibition of Lipid Peroxidation and Radical Scavenging Activity", **Food Chemistry**, Vol. 81, pp. 485-493.

O'Brien, F.G., Pearman, J.W., Gracey, M., Riley, T.V., and Grubb, W.B., 1999, "Community Strain of Methicillin-Resistant *Staphylococcus aureus* Involved in a Hospital Outbreak", **Journal of Clinical Microbiology**, Vol. 37, pp. 2858-2862.

Okada, Y., Tamaka, K., Sato, E. and Okajima, H., 2006, "Kinetic and Mechanistic Studies of Allicin as an Antioxidant", **Journal of Biomolecular Chemistry**, Vol. 4, pp. 4773.

Omar, S.H. and Al-Webel, N.A., 2010, "Organosulfur Compounds and Possible Mechanism of Garlic in Cancer", **Journal of Saudi Pharmaceutical**, Vol. 18, pp. 51-58.

Oommen, S., Anto, R.J., Srinivas, G. and Karunagaran, D., 2003, "Allicin Induces Caspase-Mediates Apoptosis in Cancer Cells", **Journal of Pharmacology**, Vol. 485, pp. 97-103.

Oyen, L.P.A and Dung, N.X., 1999, **Plant Resources of South-East Asia No. 19: Essential Oil Plants**, Backhuys Publishers, Bogor, Indonesia, pp. 15-223.

Palaksha, M.N., Ahmed, M. and Das, S., 2010, "Antibacterial Activity of Garlic Extract on Streptomycin-Resistant *Staphylococcus aureus* and *Escherichia coli* Solely and in Synergism with Streptomycin", **Journal of Natural Science Biology and Medicine**, Vol. 1, pp. 12-15.

Parliament, T.H., 1986, "Sample Preparation Technique for Gas-Liquid Chromatographic Analysis of Biological Derived Aromas", **American Chemical Society**, Washington DC, pp. 34-35.

Rabinowitch, H.D. and Kamenetsky, R., 2002, "Shallot (*Allium cepa*, Aggregatum Group)", In **Recent Advances**, Wallingford, Oxon, UK, pp. 409-430.

Rahman, A. and Kang, S.C., 2009, "*In Vitro* Control of Food-Borne and Food Spoilage Bacterial by Essential Oil and Ethanol Extracts of *Lonicera japonica* Thunb.", **Journal of Food Chemistry**, Vol. 116, pp. 670-675.

Rahman, K. and Lowe, G.M., 2006, "Garlic and Cardiovascular Disease: A Critical Review", **Journal of Nutrition**, Vol. 136, pp. 736S-740S.

Rahman, N.A.A., Tumin, S.M. and Tajuddin, R., 2013, "Optimization of Ultrasonic Extraction Method of Natural Dyes from *Xylocarpus moluccensis*", **International Journal of Bioscience, Biochemistry and Bioinformatics**, Vol. 3, pp. 53-55.

Randle, W.M., 1997, "Onion Flavor Chemistry and Factors Influencing Flavor Intensity", In **Species: Flavor Chemistry and Antioxidant Properties**, Risch, S.J. and Ho, C. (Eds.), ACS Symposium Series 660, Washington, D.C., pp. 41-52.

Re, R., Pellegrini, N., Proteggente, A., Pannala, A., Yang, M. and Rice-Evans, C., 1999, "Antioxidant Activity Applying an Improved ABTS Radical Cation Decolorization Assay", **Free Radical Biology and Medicine**, Vol. 26, pp. 1231-1237.

Rose, P., Whiteman, M., Moore, P.K., Zhu, Y.Z., 2005, "Bioactive S-alk(en)yl Cysteine Sulfoxide Metabolites in the Genus Allium: The Chemistry of Potential Therapeutic Agents", **Natural Product Reports**, Vol. 22, pp. 351-368.

Ruhlman, M., 2011, **Garlic Germ** [Online], Available, <http://ruhlman.com/2011/02/garlic-germ/> [2013, January 5].

Sanghi, R. and Kannamkumarath, S.S., 2004, "Comparison of Extraction Methods by Soxhlet, Sonicator and Microwave in the Screening of Pesticide Residues from Solid Matrices", **Journal of Analytical Chemistry**, Vol. 59, pp. 1032-1036.

Shakya, V.K., Saxena, R.C. and Shakya, A., 2010, "Effect of Ethanolic Extract of *Allium sativum* Bulbs on Streptozotocin Induced Diabetic Rats", **Journal of Chemical and Pharmaceutical Research**, Vol. 2, pp. 171-175.

Shobana, S., Vidhya, V.G. and Ramya, M., 2009, "Antibacterial Activity of Garlic Varieties (Ophioscordon and Sativum) on Enteric Pathogens", **Journal of Biological Sciences**, Vol. 1, pp. 123-126.

Siddiq, M., Roidoung, S., Sogi, D.S. and Dolan, K.D., 2013, "Total Phenolics, Antioxidant Properties and Quality of Fresh-Cut Onions (*Allium Cepa L.*) Treated with Mild-Heat", **Food Chemistry**, Vol. 136, pp. 803-806.

Silpa, B.J., 2013, **Soxhlet Extraction Apparatus** [Online], Available: <http://www.tradeindia.com/fp752749/Soxhlet-Extraction-Apparatus.html> [2013, January 5].

Singh, B.N., Singh, B.R. and Singh, R.L., 2009, "Polyphenolics from Various Extracts/Fractions of Red Onion (*Allium cepa*) Peel with Potent Antioxidant and Antimutagenic Activities", **Food and Chemical Toxicology**, Vol. 47, pp. 1161-1167.

Singh, G., Kapoor, I.P.S., Singh, P., Heluani, C.S.D. and Lampasona, M.P.D., 2008, "Chemistry, Antioxidant and Antimicrobial Investigations on Essential Oil and Oleoresins of *Zingiber officiale*", **Journal of Food and Chemical Toxicology**, Vol. 46, pp. 3295-3302.

Singh, G., Maurya, S., Lampasona, M.P.D. and Catalan, C.A.N., 2007, "A Comparison of Chemical, Antioxidant and Antimicrobial Studies of Cinnamon Leaf and Bark Volatile Oils, Oleoresins and their Constituents", **Journal of Food and Chemical Toxicology**, Vol. 45, pp. 1650-1661.

Singleton, V.L. and Rossi, J.R., 1965, "Colorimetry of Total Phenolics with Phosphomolybdic-Phosphotungestic Acid Reagent", **American Journal of Enology and Viticulture**, Vol. 16, pp. 144-158.

Sung, Y.P. and Koo, B.C., 2010, "Evaluation of Pre-heating and Extraction Solvents in Antioxidant and Antimicrobial Activities of Garlic, and their Application in Fresh Pork Patties", **International Journal of Food Science and Technology**, Vol. 45, pp. 365-373.

Thamlikitkul, V., Jintanothaitavorn, D., Sathitmathakul, R., Vaithayapiches, S., Trakulsomboon, S. and Danchaivijitr, S., 2001, "Bacterial Infections in Hospitalized Patients in Thailand 1997 & 2000", **Journal of Medical Association of Thailand 2001**, Vol. 84, pp. 666-672.

Thongson, C., Davidson, P.M., Mahakarnchanakul, W. and Weiss, J., 2004, "Antimicrobial Activity of Ultrasound-Assisted Solvent-Extracted Spices", **Letters in Applied Microbiology**, Vol. 39, pp. 401-406.

Trickett, J., 1978, **The Prevention of Food Poisoning**, Cheltenham and Stanley Thornes [Publishers], pp. 25-44.

Vadhanasin, S., Bangtrakulnonth, A. and Chidkrau, T, 2004, "Critical Control Points for Monitoring Salmonellae Reduction in Thai Commercial Frozen Broiler Processing", **Journal of Food Protection**, Vol. 67, pp. 1480-1483.

Velickovic, D.T., Milenovic, D.M., Ristic, M.S. and Veljkovic, V.B., 2006, "Kinetics of Ultrasonic Extraction of Extractive Substances from Garden (*Salvia officinalis* L.) and Glutinous (*Salvia glutinosa* L.) Sage", **Ultrasonics Sonochemistry**, Vol. 13, pp. 150-156.

Vinatoru, M., 2001, "An Overview of the Ultrasonically Assisted Extraction of Bioactive Principles from Herbs", **Ultrasonics Sonochemistry**, Vol. 8, pp. 303-313.

Wu, J., Lin, L. and Chau, F., 2001, "Ultrasound-Assisted Extraction of Ginseng Saponins from Ginseng Roots and Cultured Ginseng Cells", **Ultrasonics Sonochemistry**, Vol. 8, pp. 347-352.

Xiao, D., Li, M. and Herman-Antosiewicz, A., 2006, "Diallyl Trisulfide Inhibits Angiogenic Features of Human Umbilical Vein Endothelial Cells by Causing Akt Inactivation and Down-Regulation of VEGF and VEGF-R2", **Nutrition and Cancer**, Vol. 55, pp. 94-107.

Yang, C.S., Chhabra, S.K., Hong, J.Y. and Smith, T.J., 2001, "Mechanisms of Inhibition of Chemical Toxicity and Carcinogenesis by Diallyl Sulfide (das) and Related Compounds from Garlic", **Journal of Nutrition**, Vol. 131, pp. 1041-1045.

Yang, F.L., Zhu, F. and Lei, C.L., 2010, "Garlic Essential Oil and its Major Component as Fumigants for Controlling *Tribolium castaneum* (Herbst) in Chambers Filled with Stored Grain", **Journal of Pest Science**, Vol. 83, pp. 311-3177.

Yang, J., Meyers, J.K., Van Der Heide, J. and Liu, H.R., 2004, "Varietal Differences in Phenolic Content and Antioxidant and Antiproliferative Activities of Onions", **Journal of Agricultural and Food Chemistry**, Vol. 52, pp. 6787-6793.

Ye, C.L., Dai, D.H. and Hu, W.L., 2013, "Antimicrobial and Antioxidant Activities of the Essential Oil from Onion (*Allium cepa L.*)", **Food Control**, Vol. 30, pp. 48-53.

Yin, M.C. and Cheng, W.S., 2003, "Antioxidant and Antimicrobial Effect of Four Garlic Derived Organosulfur Compounds in Ground Beef", **Journal of Meat Science**, Vol. 63, pp. 23-28.