

## Spices Bibliography-2008 (Part I)

C K Sushama Devi

Indian Institute of Spices Research  
Calicut-673 012, Kerala, India  
E-mail: library@spices.res.in

### Spices-General

- Ciesarova Z, Suhaj M & Horvathova J 2008 Correlation between acrylamide contents and antioxidant capacities of spice extracts in a model potato matrix. *Journal of Food and Nutrition Research* 47 (1): 1-5.
- Dearlove R P, Greenspan P, Hartle D K, Swanson R B & Hargrove J L 2008 Inhibition of protein glycation by extracts of culinary herbs and spices. *Journal of Medicinal Food* 11 (2): 275-281.
- Galego L, Almeida V, Goncalves V, Costa M, Monteiro I, Matos F & Miguel G 2008 Antioxidant activity of the essential oils of *Thymbra capitata*, *Origanum vulgare*, *Thymus mastichina* and *Calamintha baetica*. *Acta Horticulturae* 765: 325-333.
- Janjai S, Srisittipokakun N & Bala B K 2008 Experimental and modelling performances of a roof-integrated solar drying system for drying herbs and spices. *Energy Oxford* 33 (1): 91-103.
- Jaw Ming C, Chiang Wen & Chiang Lien Chai 2008 Immunomodulatory activities of common vegetables and spices of Umbelliferae and its related coumarins and flavonoids. *Food Chemistry* 106 (3): 944-950.
- Kaefer C M & Milner J A 2008 The role of herbs and spices in cancer prevention. *Journal of Nutritional Biochemistry* 19 (6): 347-361.
- Kayode J & Ogunleye T O 2008 Checklist and status of plant species used as spices in Kaduna State of Nigeria. *Research Journal of Botany* 3 (1): 35-40.
- Krishnaswamy K 2008 Traditional Indian spices and their health significance. *Asia Pacific Journal of Clinical Nutrition* 17 (Supplement 1): 265-268.
- Lazurca D & Lazurca M 2008 Professional associations for medicinal herbs and spices. *Hop and Medicinal Plants* 16 (1/2): 90-93.
- Mustorp S, Engdahl Axelsson C, Svensson U & Holck A 2008 Detection of celery (*Apium graveolens*), mustard (*Sinapis alba*, *Brassica juncea*, *Brassica nigra*) and sesame (*Sesamum indicum*) in food by real-time PCR. *European Food Research and Technology* 226 (4): 771-778.
- N-L M 2008 Adding spice to life. *Food Technology Chicago* 62 (1): 59-62.
- Oma J, Mathew P A & Krishnamoorthy B 2008 Vegetative propagation of allspice. *Indian Journal of Horticulture* 65 (1): 65-68.
- Reda J, Silva S de, Muthuraman P, Rahman S M & Kawet L 2008 Spices in Sri Lanka, India and Bangladesh with special reference to the usages and consumptions. *Bulletin of the Faculty of Agriculture, Saka University* 93: 1-25.

- Tian T, Liu H Y & Koike S T 2008 First report of *Apium virus Y* on cilantro, celery, and parsley in California. *Plant Disease* 92 (8): 1254.
- Urabe Y, Minai Y, Haga M, Sugita K Y, Ishiguro A & Hara K Y 2008 Survival of *Salmonella* in spices and growth in cooked food. *Shokuhin Eiseigaku Zasshi (Journal of the Food Hygienic Society of Japan)* 49 (2): 70-75.
- Basil (*Ocimum basilicum* L.)**
- Chalchat J C & Ozcan M M 2008 Comparative essential oil composition of flowers, leaves and stems of basil (*Ocimum basilicum* L.) used as herb. *Food Chemistry* 110 (2): 501-503.
- Fandohan P, Gnonlonfin B, Laleye A, Gbenou J D, Darboux R & Moudachirou M 2008 Toxicity and gastric tolerance of essential oils from *Cymbopogon citratus*, *Ocimum gratissimum* and *Ocimum basilicum* in Wistar rats. *Food and Chemical Toxicology* 46 (7): 2493-2497.
- Hasan A, Arvind Kumar, Promod Kumar & Zafar Abbas 2008 Effect of nitrogen levels on growth, herb yield and essential oil content of *Ocimum basilicum* var. *Gabratum* (sweet basil). *Indian Journal of Tropical Biodiversity* 15 (2): 140-143.
- Itoh K, Nakamura K, Utsukihara T, Sakamaki H & Horiuchi C A 2008 Stereoselective oxidation of racemic 1-arylethanols by basil cultured cells of *Ocimum basilicum* cv. *Purpurascens*. *Biotechnology Letters* 30 (5): 951-954.
- Jocic M M, Stevanovic Z D, Jaric S & Urevic L 2008 Nectar secretion in basil (*Ocimum basilicum* L.) grown in different soil conditions. *Journal of Apicultural Research* 47 (1): 89-90.
- Larios L F, Ruiz Espinoza F H, Garcia Hernandez J L, Murillo Amador B, Gonzalez Ocampo H A, Beltran Morales F A & Fraga Palomino H 2008 Analysis of agronomic variables of *Ocimum basilicum* L. under alternative tillage systems and standard organic practices. *Tropical and Subtropical Agroecosystems* 8 (2): 157-163.
- Marinkovic B, Crnobarac J, Dusan A, Hlaek K, Stanisic J, Dragoslav Vlad M & Pajic V 2008 Effect of cutting height on basil yield. *Hop and Medicinal Plants* 16 (1/2): 110-113.
- Sahu M, Rastogi N K & Anjali Shrivastava 2008 Genetic variability, heritability and scope of improvement for yield components in Basil (*Ocimum* spp.). *International Journal of Plant Sciences* 3 (1): 217-219.
- Sundaram S & Singh S K 2008 Axillary shoot multiplication from nodal explants of the sweet basil, *Ocimum basilicum* L. *Proceedings of the National Academy of Sciences India Section B, Biological Sciences* 78 (1): 72-76.
- XianMin C, Alderson P G & Wright C J 2008 Solar irradiance level alters the growth of basil (*Ocimum basilicum* L.) and its content of volatile oils. *Environmental and Experimental Botany* 63 (1/3): 216-223.
- Xie Z Z, Kapteyn J & Gang D R 2008 A systems biology investigation of the MEP/terpenoid and shikimate/phenylpropanoid pathways points to multiple levels of metabolic control in sweet basil glandular trichomes. *Plant Journal* 54 (3): 349-361.
- Zheljazkov V D, Callahan A & Cantrell C L 2008 Yield and oil composition of 38 basil (*Ocimum basilicum* L.) accessions grown in Mississippi. *Journal of Agricultural and Food Chemistry* 56 (1): 241-245.
- Zheljazkov V D, Cantrell C L, Tekwani B & Khan S I 2008 Content, composition, and bioactivity of the essential oils of three basil genotypes as a function of harvesting. *Journal of Agricultural and Food Chemistry* 56 (2): 380-385.
- Zuccarini P & Okurowska P 2008 Effects of mycorrhizal colonization and fertilization on growth and photosynthesis of sweet basil under salt stress. *Journal of Plant Nutrition* 31 (3): 497-513.
- Black pepper (*Piper nigrum* L.)**
- Emer Z, Akbas M Y & Ozdemir M 2008 Bactericidal activity of ozone against *Escherichia coli* whole and ground black peppers. *Journal of Food Protection* 71 (5): 914-917.

- Kizhakkayil J & Thomas E & Sasikumar B 2008 Molecular characterization of traded black pepper (*Piper nigrum* L.) from India, Indonesia, Vietnam and Malaysia. *Indian Journal of Biotechnology* 7 (2): 210-213.
- Moura E F, Menezes I Cde & Lemos O F de 2008 Cytokinin concentrations and activated charcoal on black pepper micropropagation. *Ciencia Rural* 38 (1): 72-76.
- Parthasarathy U, Asish G R, Zachariah T J, Saji K V, George J K, Jayarajan K, Mathew P A & Parthasarathy V A 2008 Spatial influence on the important volatile oils of *Piper nigrum* leaves. *Current Science* 94 (12): 1632-1635.
- Siju S, Bhat A I & Hareesh P S 2008 Identification and characterization of a *Badnavirus* infecting betel vine and Indian long pepper. *Journal of Plant Biochemistry and Biotechnology* 17 (1): 73-76.
- Tran H, Kruijt M & Raaijmakers J M 2008 Diversity and activity of biosurfactant producing *Pseudomonas* in the rhizosphere of black pepper in Vietnam. *Journal of Applied Microbiology* 104 (3): 839-851.
- Truong N V, Burgess L W & Liew E C Y 2008 Prevalence and etiology of *Phytophthora* foot rot of black pepper in Vietnam. *Australasian Plant Pathology* 37 (5): 431-442.
- Vanaja T, Neema V P, Mammootty K P & Rajeshkumar R 2008 Development of a promising interspecific hybrid in black pepper (*Piper nigrum* L.) for *Phytophthora* foot rot resistance. *Euphytica* 161 (3): 437-445.
- Xiao W, Yuan Jin Peng, Geng Yan Ling, Li Fu Wei, Wang Dai Jie & Liu Jian Hua 2008 Preparative separation and purification of piperine from *Piper nigrum* Linn. by high speed counter current chromatography. *Chemistry and Industry of Forest Products* 28 (2): 6-10.
- Cardamom (*Elettaria cardamomum* Maton)**
- Ankegowda S J 2008 Optimum leaf stage for transplanting small cardamom seedlings from primary nursery to polybag nursery. *Indian Journal of Horticulture* 65 (2): 252-254.
- Bhai R S & Sarma Y R 2008 Spatial distribution pattern of *Phytophthora* inoculum in cardamom soils. *Indian Phytopathology* 61 (1): 95-98.
- Leela N K, Prasath D & Venugopal M N 2008 Essential oil composition of selected cardamom genotypes at different maturity levels. *Indian Journal of Horticulture* 65 (3): 366-369.
- Parthasarathy U, Prasatg D, Jayarajan K & Parthasarathy V A 2008 Multivariate analysis of cardamom in Karnataka. *Indian Journal of Horticulture* 65 (2): 196-200.
- Sharma G, Sharma R & Sharma E 2008 Influence of stand age on nutrient and energy release through decomposition in alder-cardamom agroforestry systems of the eastern Himalayas. *Ecological Research* 23 (1): 99-106.
- Celery (*Apium graveolens* L.)**
- Bounds R S & Hausbeck M K 2008 Evaluation of disease thresholds and predictors for managing late blight in celery. *Plant Disease* 92 (3): 438-444.
- Carraro L, Ferrini F, Martini M, Ermacora P & Loi N 2008 A serious epidemic of stolbur on celery. *Journal of Plant Pathology* 90 (1): 131-135.
- Chaves B, Neve S de, Boeckx P, Dupont R, Cleemput, O van & Hofman G 2008 Manipulating the N release from <sup>15</sup>N labelled celery residues by using straw and vinasses in Flanders (Belgium). *Agriculture, Ecosystems and Environment* 123 (1/3): 151-160.
- Gindeniz S 2008 Economic analysis of agrochemical use for weed control in field-grown celery: a case study for Turkey. *Crop Protection* 27 (3/5): 377-384.
- Madrid R, Lopez M D, Barba E M, Gomez P & Arts F 2008 Influence of nitrate fertilizer on macronutrient contents of celery plants on soil less culture. *Journal of Plant Nutrition* 31 (1): 55-67.

- Mustorp S, Engdahl Axelsson C, Svensson U & Holck A 2008 Detection of celery (*Apium graveolens*), mustard (*Sinapis alba*, *Brassica juncea*, *Brassica nigra*) and sesame (*Sesamum indicum*) in food by real time PCR. European Food Research and Technology 226 (4): 771-778.
- Nadwodnik J & Lohaus G 2008 Subcellular concentrations of sugar alcohols and sugars in relation to phloem translocation in *Plantago major*, *Plantago maritima*, *Prunus persica* and *Apium graveolens*. Planta 227 (5): 1079-1089.
- Raid R N, Pernezny K, Havranek N, Sanchez J & Saddler B 2008 Weather based forecasting systems reduce fungicide use for early blight of celery. Crop Protection 27 (3/5): 396-402.
- Rizzo V & Muratore G 2008 Effects of packaging on shelf life of fresh celery. Journal of Food Engineering 90 (1): 124-128.
- Shen Wei Shou, Lin Xian Gui, Zhang Hua Yong, Yin Rui, Duan Zeng Qiang & Shi Wei Ming 2008 Numbers of *Fusarium oxysporum* in different greenhouse vegetable soils. Acta Pedologica Sinica 45 (1): 137-142.
- Souri E, Amin G, Farsam H & Tehrani M B 2008 Screening of antioxidant activity and phenolic content of 24 medicinal plant extracts. DARU Journal of Faculty of Pharmacy, Tehran University of Medical Sciences 16 (2): 83-87.
- Tian T, Liu H Y & Koike S T 2008 First report of *Apium virus Y* on cilantro, celery, and parsley in California. Plant Disease 92 (8): 1254.
- Yan S C, Liu H J, Mohr T J, Jenrette J, Chiodini R, Zaccardelli M, Setubal J C & Vinatzer B A 2008 Role of recombination in the evolution of the model plant pathogen *Pseudomonas syringae* pv. tomato DC3000, a very atypical tomato strain. Applied and Environmental Microbiology 74 (10): 3171-3181.
- Zhang Yan, Liu J W, Zheng W J, Wang Lei, Zhang H Y, Fang G Z & Wang Shuo 2008 Optimization and validation of enzyme-linked immunosorbent assay for the determination of endosulfan residues in food samples. Journal of Environmental Science and Health Part B, Pesticides, Food Contaminants, and Agricultural Wastes 43 (2): 127-133.

### Chilli (*Capsicum spp.*)

- Albaho M, Thomas B & Christopher A 2008 Evaluation of hydroponic techniques on growth and productivity of greenhouse grown bell pepper and strawberry. International Journal of Vegetable Science 14 (1): 23-40.
- Aloni B, Karni L, Deventurero G, Turhan E & Aktas H 2008 Changes in ascorbic acid concentration, ascorbate oxidase activity, and apoplastic pH in relation to fruit development in pepper (*Capsicum annuum* L.) and the occurrence of blossom end rot. Journal of Horticultural Science and Biotechnology 83 (1): 100-105.
- Arora N, Manpreet Kaur, Amandeep Kaur & Daljeet Singh 2008 Variability in leaf characteristics of chilli (*Capsicum annuum* L.) genotypes in relation to resistance to *Cucumber mosaic virus*. Environment and Ecology 26 (1): 199-202.
- Ayuso M C, Bernalte M J, Lozano M, Garcia M I, Montero de Espinosa V, Perez M M, Hernandez M T & Somogyi N 2008 Quality characteristics of different red pepper cultivars (*Capsicum annuum* L.) for hot paprika production. European Food Research and Technology 227 (2): 557-563.
- Baheza E C, Cruz Fernandez F, Hernandez Alvarez M I, Peraza Luna F, Aguado Santacruz G A, Serratos Arevalo J C, Posos Ponce P, Gonzalez Chavira M M, Torres Pacheco I, Guevara Olvera L & Guevara Gonzalez R G 2008 A new lea gene is induced during osmoprimering of *Capsicum annuum* L. seeds. International Journal of Botany 4 (1): 77-84.
- Barrera J A, Hernandez M S, Melgarejo L M, Martinez O & Fernandez Trujillo J P 2008 Physiological behavior and quality traits during fruit growth and ripening of four Amazonic hot pepper accessions. Journal of the Science of Food and Agriculture 88 (5): 847-857.
- Castro S M, Saraiva J A, Lopes da Silva J A, Delgadillo I, Loey A van, Chantal Smout & Hendrickx M 2008 Effect of thermal blanching and of high pressure treatments on sweet green and red bell pepper fruits (*Capsicum annuum* L.). Food Chemistry 107 (4): 1436-1449.

- Chaouachi M, El Malki R, Berard A, Romanuk M, Laval V, Brunel D & Bertheau Y 2008 Development of a real-time PCR method for the differential detection and quantification of four solanaceae in GMO analysis: potato (*Solanum tuberosum*), tomato (*Solanum lycopersicum*), eggplant (*Solanum melongena*), and pepper (*Capsicum annuum*). Journal of Agricultural and Food Chemistry 56 (6): 1818-1828.
- Chattopadhyay B, Singh A K, Yadav T, Fauquet C M, Sarin N B & Chakraborty S 2008 Infectivity of the cloned components of a *Begomovirus*: DNA beta complex causing chilli leaf curl disease in India. Archives of Virology 153 (3): 533-539.
- Choong Je M 2008 Cellulase elicitor induced accumulation of capsidiol in *Capsicum annuum* L. suspension cultures. Biotechnology Letters 30 (5): 961-965.
- Colla G, Rouphael Y, Cardarelli M, Temperini O, Rea E, Salerno A & Pierandrei F 2008 Influence of grafting on yield and fruit quality of pepper (*Capsicum annuum* L.) grown under greenhouse conditions. Acta Horticulturae 782: 359-363.
- Deb P, Datta S & Paul P K 2008 Studies on the performance of chilli genotypes under Terai zone of West Bengal. Indian Journal of Horticulture 65 (3): 353-355.
- De Yi G, Lai Yan, Lin Ming, Wang Yu Na, Cao Lei & He Shui Lin 2008 Construction of cDNA library with RNA isolated from leaves of *Capsicum annuum* challenged with UV and detection of cDNA of several genes. Journal of Fujian Agriculture and Forestry 37 (3): 275-279.
- Dong K U, Moon H J & Choob P K 2008 Effect of furrow-mulching on *Phytophthora* blight incidence and soil microbial ecology in the red pepper (*Capsicum annuum* L.) field. Korean Journal of Horticultural Science and Technology 26 (1): 7-13.
- Dutonde S N, Bhalekar M N, Patil B T, Kshirsagar D B & Dhumal S S 2008 Genetic diversity in chilli (*Capsicum annuum* L.). Agricultural Science Digest 28 (1): 45-47.
- Erard P & Odet J 2008 Advantages and limits of grafting on bell pepper. Infos Ctifl 238: 31-35.
- Eun Soo S, Guo Jia & Wang Myeong Hyeon 2008 The chilli pepper (*Capsicum annuum*) MYB transcription factor (CaMYB) is induced by abiotic stresses. Journal of Plant Biochemistry and Biotechnology 17 (2): 193-196.
- Farhad M, Hasanuzzaman M, Biswas B K, Azad A K & Arifuzzaman M 2008 Reliability of yield contributing characters for improving yield potential in chilli (*Capsicum annuum*). International Journal of Sustainable Crop Production 3 (3): 30-38.
- Gal A B, Ityel E, Dudley L, Cohen S, Yermiyahu U, Presnov E, Zigmond L & Shani U 2008 Effect of irrigation water salinity on transpiration and on leaching requirements: a case study for bell peppers. Agricultural Water Management 95 (5): 587-597.
- Garcia D M, Stewart K A & Seguin P 2008 Effects of saline water on growth and physiology of bell pepper seedlings. International Journal of Vegetable Science 14 (2): 121-138.
- Grazia J de, Tittonell P A & Chiesa A 2008 Nitrogen fertilization methods affect growth of sweet pepper (*Capsicum annuum* L.) transplants. Acta Horticulturae 782: 193-199.
- Guang Cheng S, Liu Na & Chen Lei 2008 Character of water demand and yield of space-time deficit irrigation for hot pepper in greenhouse. Nongye Jixie Xuebao (Transactions of the Chinese Society for Agricultural Machinery) 39 (4): 117-121.
- Guang Cheng S, Zhang Juan, Chen Lei, Liu Na & Xing Wen Gang 2008 Effect of space-time deficit irrigation on physiological and agronomic features of hot pepper in greenhouse. Nongye Jixie Xuebao (Transactions of the Chinese Society for Agricultural Machinery) 39 (3): 96-100.
- Herman M A B, Nault B A & Smart C D 2008 Effects of plant growth-promoting rhizobacteria on bell pepper production and green peach aphid infestations in New York. Crop Protection 27 (6): 996-1002.

- Hierro J M H, Garcia Villanova R J, Torrero P R & Toruno Fonseca I M 2008 Aflatoxins and ochratoxin A in red paprika for retail sale in Spain: occurrence and evaluation of a simultaneous analytical method. *Journal of Agricultural and Food Chemistry* 56 (3): 751-756.
- Hongal M M, Chittapur B M & Rudragouda 2008 Effect of green manures and nitrogen levels on growth and fresh fruit yield of chilli (*Capsicum annuum* L.) cv. Byadagi kaddi in chilli + cotton intercropping system. *Crop Research, Hisar* 35 (1/2): 52-53.
- Hongal M M, Chittapur B M & Rudragouda 2008 Effect of green manures and nitrogen levels on the performance of dry chilli in chilli + cotton intercropping system. *Crop Research, Hisar* 35 (1/2): 54-56.
- Hongal M M, Chittapur B M & Rudragouda 2008 Effect of green manures and nitrogen levels on the performance of cotton (*Gossypium herbaceum* L.) in chilli + cotton intercropping system. *Crop Research, Hisar* 35 (1/2): 57-60.
- Hoon K S, Bok Y J, Wahng D J & Guen P H 2008 A major recessive gene associated with anthracnose resistance to *Colletotrichum capsici* in chili pepper (*Capsicum annuum* L.). *Breeding Science* 58 (2): 137-141.
- Hosamani P M & Shivkumar 2008 Correlation and path coefficient analysis in chilli. *Indian Journal of Horticulture* 65 (3): 349-352.
- Hua X, Liu Han Zhu, Wang Hai Xia & Zhao Yu Jun 2008 Studies on developmental anatomy of floral nectaries of male sterile homomaintainer line in "Hot pepper 95-1". *Journal of Wuhan Botanical Research* 26 (2): 119-123.
- Hyun J M, Mok K J, Kalme S, Wook H J, Sang Y H, Heung K J, Sung K B, Kun K S & Young Y M 2008 Cloning, purification, and polymerization of *Capsicum annuum* recombinant alpha and beta tubulin. *Bioscience, Biotechnology and Biochemistry* 72 (4): 1048-1055.
- Hyun L J, Kiyota N, Ikeda T & Nohara T 2008 Three new acyclic diterpene glycosides from the aerial parts of paprika and pimiento. *Chemical and Pharmaceutical Bulletin* 56 (4): 582-584.
- Islam M S, Howlader M I A, Rafiquzzaman S, Bashar H M K & Al Mamun M H 2008 Yield response of Chili and T. Aman rice to NPK fertilizers in ganges tidal floodplain. *Journal of Soil and Nature* 2 (1): 7-13.
- Iturvide F A, Marquez Lucio M A, Morales Ramirez I, Vazquez Garciduenas M S & Olalde Portugal V 2008 Mycorrhizal protection of chili plants challenged by *Phytophthora capsici*. *European Journal of Plant Pathology* 120 (1): 13-20.
- Jayapadma P N, Sumangala Bhat & Kuruvinashetti M S 2008 Somatic embryogenesis and plantlet regeneration in chilli (*Capsicum annuum* L.). *Asian Journal of Bio Science* 3 (1): 61-65.
- Jian Jun Z, Hai Xia W, Yong Chang M & Zheng Yan 2008 Experimental research on hot-air drying properties of capsicum. *Transactions of the Chinese Society of Agricultural Engineering* 24 (3): 298-301.
- Johkan M, Oda M & Mori G 2008 Ascorbic acid promotes graft-take in sweet pepper plants (*Capsicum annuum* L.). *Scientia Horticulturae* 116 (4): 343-347.
- Joung K H, Ryul L H, Heon H J, In Y S, Hark H C & Dong KB 2008 Marker production by PCR amplification with primer pairs from conserved sequences of WRKY genes in chili pepper. *Molecules and Cells* 25 (2): 196-204.
- Juarez M del R A, Rocha Granados M del C, Lopez M G, Rivera Bustamante R F & Ochoa Alejo N 2008 Virus-induced silencing of Comt, pAmt and Kas genes results in a reduction of capsaicinoid accumulation in chili pepper fruits. *Planta* 227 (3): 681-695.
- Jun Dae L, Yoon Jae Bok & Park Hyo Guen 2008 A CAPS marker associated with the partial restoration of cytoplasmic male sterility in chili pepper (*Capsicum annuum* L.). *Molecular Breeding* 21 (1): 95-104.

- Kabura B H, Musa B & Odo P E 2008 Evaluation of the yield components and yield of onion (*Allium cepa* L.)-pepper (*Capsicum annuum* L.) intercrop in the Sudan savanna. *Journal of Agronomy* 7 (1): 88-92.
- Kaparakis G & Alderson P G 2008 Role for cytokinins in somatic embryogenesis of pepper (*Capsicum annuum* L.). *Journal of Plant Growth Regulation* 27 (2): 110-114.
- Kasyap A, Tiwari P K, Khare C P & Thrimurty V S 2008 Evaluation of varieties and fungicides against anthracnose and fruit rot of chilli. *Annals of Plant Protection Sciences* 16 (1): 159-161.
- Khan A, Bilquees F M, Khanzada K A, Khatoon N & Shahzad S 2008 Histopathological studies of *Meloidogyne incognita* (Kofoid & White, 1919) Chitwood 1949, associated with chilli. *Pakistan Journal of Nematology* 26 (2): 153-157.
- Khereba A H, Gharib A A, Mahmoud S M, Ahmed Y M & El Sayed A A 2008 A study on the combining ability in chilli pepper (*Capsicum annuum* L. and *Capsicum chinense* Jacq.) using line x tester analysis. *Bulletin of Faculty of Agriculture, Cairo University* 59 (2): 116-122.
- Kui Jae L, Kamala Kannan S, Sub HanSang, Seong ChoKyu & Lee GunWoong 2008 Biological control of *Phytophthora* blight in red pepper (*Capsicum annuum* L.) using *Bacillus subtilis*. *World Journal of Microbiology and Biotechnology* 24 (7): 1139-1145.
- Li Fen L 2008 A new hot pepper F1 hybrid - 'Tiejiao No.6'. *China Vegetables* 2: 37-38.
- Li Hao W, Zhang Bao Xi, Caranta C, Mao Sheng Li & Palloix A 2008 Molecular markers assisted selection for three QTLs resistant to PVY in pepper (*Capsicum annuum* L.). *Acta Horticulturae Sinica* 35 (1): 53-58.
- Li Z, Liu Fa Wan, Yang Min Jie, Zhang Li Qin, Qin Rong & Li Wei Fen 2008 Strategic studies on sustainable development of capsicum industry in Yunnan. *Southwest China Journal of Agricultural Sciences* 21 (2): 528-532.
- Li E J, Qing C & Chang X K 2008 Antioxidant activities and composition of extracts from chilli. *International Journal of Food Science and Technology* 43 (4): 666-672.
- Lightbourn G J, Griesbach R J, Novotny J A, Clevidence B A, Rao D D & Stommel J R 2008 Effects of anthocyanin and carotenoid combinations on foliage and immature fruit color of *Capsicum annuum* L. *Journal of Heredity* 99 (2): 105-111.
- Mahdavian K, Ghorbanli M & Kalantari K M 2008 The effects of ultraviolet radiation on some antioxidant compounds and enzymes in *Capsicum annuum* L. *Turkish Journal of Botany* 32 (2): 129-134.
- Mahdavian K, Ghorbanli M & Kalantari K M 2008 The effects of ultraviolet radiation on the contents of chlorophyll, flavonoid, anthocyanin and proline in *Capsicum annuum* L. *Turkish Journal of Botany* 32 (1): 25-33.
- Morgado C M A, Durigan J F, Sanches J, Galati V C & Ogassavara F O 2008 Postharvest conservation of bell pepper fruits under different storage conditions and films. *Horticultura Brasileira* 26 (2): 170-174.
- Narayan S, Ahmed N, Chattoo M A, Hussain K, Shahnaz Mufti & Bhat S A 2008 Effect of nitrogen and spacing on seed production of paprika (*Capsicum annuum* sub sp. *grossum*) under temperate conditions. *Progressive Agriculture* 8 (1): 32-33.
- Oboh G & Rocha J B T 2008 Hot pepper (*Capsicum* spp.) protects brain from sodium nitroprusside and quinolinic acid induced oxidative stress in vitro. *Journal of Medicinal Food* 11 (2): 349-355.
- Pagamas P & Nawata E 2008 Sensitive stages of fruit and seed development of chili pepper (*Capsicum annuum* L. var. Shishito) exposed to high temperature stress. *Scientia Horticulturae* 117 (1): 21-25.

- Pandey J, Jagdish Singh, Ajay Verma, Singh A K, Mathura Rai & Sanjeet Kumar 2008 Evaluation of chilli (*Capsicum annuum* L.) genotypes for some quality traits. Journal of Food Science and Technology, Mysore 45 (5): 463-465.
- Pandhair V & Sharma S 2008 Accumulation of capsaicin in seed, pericarp and placenta of *Capsicum annuum* L fruit. Journal of Plant Biochemistry and Biotechnology 17 (1): 23-27.
- Perez J C D, Granberry D M & Germishuizen P 2008 Transplant growth and stand establishment of bell pepper (*Capsicum annuum* L.) plants as affected by compost amended substrate. Acta Horticulturae 782: 223-227.
- Perez J C D, Silvoy J, Phatak S C, Ruberson J & Morse R 2008 Effect of winter cover crops and no-till on the yield of organically grown bell pepper (*Capsicum annuum* L.). Acta Horticulturae 767: 243-247.
- Ping S, Yan Shu Zhen, Chen Shuang Lin, Cui Xiao Can & Li Li 2008 Growth promotion and control for blight of endophytic bacterium with ACC deaminase in *Capsicum*. Acta Phytophylacica Sinica 35 (1): 28-32.
- Rakshit A, Rakshit S, Deokar A & Dasgupta T 2008 Effect of different explant and hormones on in vitro callus induction and regeneration of pepper (*Capsicum annuum* L.). Asian Journal of Bio Science 3 (1): 180-183.
- Ramos G M, Torre Almaraz R de la, Bujanos Muniz R, Guevara Gonzalez R G, Tierranegra Garcia N, Guevara Olvera L, Gonzalez Chavira M M & Torres Pacheco I 2008 Co-transmission of Pepper huasteco yellow vein virus and Pepper golden mosaic virus in chili pepper by Bemisia tabaci (Genn.). Journal of Entomology 5 (3): 176-184.
- Sanatombi K & Sharma G J 2008 Capsaicin content and pungency of different *Capsicum* spp. cultivars. Notulae Botanicae, Horti Agrobotanici, Cluj Napoca 36 (2): 89-90.
- Sanatombi K & Sharma G J 2008 In vitro plant regeneration in six cultivars of *Capsicum* spp. using different explants. Biologia Plantarum 52 (1): 141-145.
- Sang-Keun O, Baek Kwang-Hyun, Park-Jeong Mee, Yi So Young, Yu Seung Hun, Kamoun S & Choi Doil 2008 *Capsicum annuum* WRKY protein CaWRKY1 is a negative regulator of pathogen defense. New Phytologist 177 (4): 977-989.
- Santos B M, Mora Bolanos J E & Solorzano Arroyo J A 2008 Impact of solarization and soil fumigants on hot pepper production in high tunnels. Asian Journal of Plant Sciences 7 (1): 113-115.
- Saritnum O, Minami M, Matsushima K, Minamiyama Y, Hirai M, Baba T, Bansho H, & Nemoto K 2008 Inheritance of few pungent trait in chili pepper 'S3212' (*Capsicum frutescens*). Journal of the Japanese Society for Horticultural Science 77 (3): 265-269.
- Sarkar H, Surajit Mahato, Somchoudhury A K & Sarkar P K 2008 Management of yellow mite *Polyphagotarsonemus latus* (Banks) (Acarida: Tarsonemidae) infesting chilli (*Capsicum annuum* L.) in gangetic alluvial plains of West Bengal. Journal of Entomological Research 32 (2): 127-130.
- Saxena A & Hundal J S 2008 Genotypic and environmental effects to obtain higher yields of hybrid seed of *Capsicum annuum* L. Journal of New Seeds 9 (2): 174-189.
- Sharma A, Anjana Srivastava, Bali Ram & Srivastava P C 2008 Dissipation behaviour of spinosad insecticide in chilli and soil. Asian Journal of Water, Environment and Pollution 5 (2): 49-52.
- Shetty G R & Manohar R K 2008 Influence of pruning and growth regulators on flowering, fruit set and yield of coloured capsicum (*Capsicum annuum* L.) cv. Orobelle under naturally ventilated greenhouse. Crop Research, Hisar 35 (1/2): 61-64.
- Shetty G R, Gowda M C, Manohar R K, Sreeramu B S & Hemavathi N 2008 Impact of integrated nutrient management on flowering, fruit set and yield of coloured capsicum (*Capsicum annuum* L.) cv. Orobelle under naturally ventilated greenhouse. Crop Research, Hisar 35 (1/2): 65-68.

- Shetty G R, Manohar R K, Gowda M C & Sreeramu B S 2008 Fruit growth of red coloured capsicum (*Capsicum annuum* L.) cv. Bombi as influenced by stem pruning and growth regulators under greenhouse. Crop Research, Hisar 35 (1/2): 69-72.
- Shetty G R, Manohar R K, Vishwanath A P, Kempegowda K & Raghavendra 2008 Influence of pruning and growth regulators on the shelf life of coloured capsicum (*Capsicum annuum* L.) cv. Bombi under greenhouse. Mysore Journal of Agricultural Sciences 42 (1): 33-37.
- Shu Bin W, Liu Jin Bing & Pan Bao Gui 2008 RAPD analysis of genomic DNAs between CMS line of hot pepper and its maintainer line. Acta Agriculturae Shanghai 24 (1): 8-10.
- Shu Gen Z, Xing Yong Ping & Wang Zhen Quan 2008 A new slightly hot sweet pepper F1 hybrid - 'Haifeng No. 25'. China Vegetables 5: 31-32.
- Silber A 2008 High frequency irrigations as means for enhancement of nutrient use efficiency: soilless grown bell pepper as a model plant. Acta Horticulturae 779: 281-288.
- Singh T, Singh A K, Anju Pal & Singh S S 2008 Biological control of wilt disease of chilli. Progressive Research 3 (1): 105-106.
- Srinivasan S & Suhanya R 2008 A comparative study of antioxidants in green and dried chilli varieties. Indian Journal of Nutrition and Dietetics 45 (4): 125-130.
- Stirling G R & Eden L M 2008 The impact of organic amendments, mulching and tillage on plant nutrition, *Pythium* root rot, root-knot nematode and other pests and diseases of *capsicum* in a subtropical environment, and implications for the development of more sustainable vegetable farming systems. Australasian Plant Pathology 37 (2): 123-131.
- Suna K, Youl H T & Bok P J 2008 Characteristics of pigment composition and colour value by the difference of harvesting times in Korean red pepper varieties (*Capsicum annuum*, L.). International Journal of Food Science and Technology 43 (5): 915-920.
- Sy O, Steiner R & Bosland P W 2008 Recombinant inbred line differential identifies race-specific resistance to *Phytophthora* root rot in *Capsicum annuum*. Phytopathology 98 (8): 867-870.
- Techawongstien S, Khemnak S, Lertrat K, Techawongstien S & Theerakulpisut P 2008 Determination of the inheritance of pungency in *Capsicum* by molecular techniques. Acta Horticulturae 765: 109-116.
- Tewksbury J J, Levey D J, Huizinga M, Haak D C & Traveset A 2008 Costs and benefits of capsaicin-mediated control of gut retention in dispersers of wild chilies. Ecology 89 (1): 107-117.
- Than P P, Jeewon R, Hyde K D, Pongsupasamit S, Mongkolporn O & Taylor P W J 2008 Characterization and pathogenicity of *Colletotrichum* species associated with anthracnose on chilli (*Capsicum* spp.) in Thailand. Plant Pathology 57 (3): 562-572.
- Valle R V, Medina Aguilar M M & Creamer R 2008 First report of *Beet mild curly top virus* infection of Chile pepper in North Central Mexico. Plant Disease 92 (4): 650.
- Vidal D G, Rocha Sosa M, Sepulveda Garcia E B, Lara Reyna J, Rojas Martinez R & Zavaleta Mejia E 2008 Phenylalanine ammonia lyase activity in chilli CM-334 infected by *Phytophthora capsici* and *Nacobbus aberrans*. European Journal of Plant Pathology 120 (3): 299-303.
- Wei M, Gong Zhen Hui, Li Da Wei & Jia Qing Li 2008 Analysis and cloning of LRR class disease resistant gene analogs in *Capsicum annuum*. Journal of Northwest Agriculture and Forestry 36 (1): 143-148.
- Wei Hai H, Cao Yu Lin, Zeng Jiang Jun, Shi Kai & Yu Jing Quan 2008 Effects of heat and drought stresses on growth and respiration in different cultivar of pepper (*Capsicum annuum* L.). Bulletin of Botanical Research 28 (2): 199-204.
- Wong Ki M, Lim Hee Rae, Lee Young Pyo, Sung Soon Kee, Kim Byung Dong & Kim Sung Gil 2008 Identification of a third haplotype of the sequence linked to the Restorer of fertility (Rf) gene and its implications for male-sterility phenotypes in peppers (*Capsicum annuum* L.). Molecules and Cells 25 (1): 20-29.

- Xiao Lu Z, Xue Quan Hong, Guo ZhiYing, Yang Bin, Zhou Yong Qiang & Xu Ying Jun 2008 Effect of the inoculation with the fungi and actinomycetes against *Phytophthora capsici* and the colonization capability and the growth and PPO activity of capsicum's leaf and root. Journal of Northwest A and F University Natural Science Edition 36 (4): 151-158.
- Yadwad A, Sridevi O & Salimath P M 2008 Genetic variability in segregating progenies of chilli (*Capsicum annuum* L.). International Journal of Plant Sciences Muzaffarnagar 3 (1): 106-110.
- Yadwad A, Sridevi O & Salimath P M 2008 Leaf trichomes based resistance in chilli (*Capsicum annuum*) to thrips and mites. Indian Journal of Agricultural Sciences 78 (6): 518-521.
- Yamamoto S, Misumi M & Nawata E 2008 Effects of photoperiod on vegetative growth, flowering and fruiting of *Capsicum frutescens* L. and *C. annuum* L. in Japan. Environment Control in Biology 46 (1): 39-47.
- Yan L, Xu Bo, Lin Ming, Wang Yu Na, Cao Lei, He Li, Liu Ping & He Shui Lin 2008 Isolation of ubiquitin conjugating enzyme cDNA from *Capsicum annuum* and analysis of its expression under UV-B stress. Journal of Fujian Agriculture and Forestry 37 (2): 162-165.
- Yan M, Chang Zhi Zhou, Zhao Jiang Tao & Zhou Ming Guo 2008 Antifungal activity of *Penicillium striatisporum* Pst10 and its biocontrol effect on *Phytophthora* root rot of chilli pepper. Biological Control 44 (1): 24-31.
- Yoo Nah J, Cho Young Yeol, Rhee Han Cheol & Um Yeong Cheol 2008 Effects of rootstock and night temperature on the growth and yield of grafted pepper (*Capsicum annuum* L.). Horticulture, Environment and Biotechnology 49 (2): 63-71.
- Young Sam S, Kim Eun Yu, Mang Hyung Gon & Kim Woo Taek 2008 Heterologous expression, and biochemical and cellular characterization of CaPLA1 encoding a hot pepper phospholipase A1 homolog. Plant Journal 53 (6): 895-908.
- Yu R, Zhang Yin Dong, Yin Jun Mei & Wang De Yuan 2008 Parent grouping of 31 elite inbred lines in hot pepper (*Capsicum annuum* L.). Hereditas Beijing 30 (2): 237-245.
- Za K M, Chang J I, Ae K J, Joon P E, Chung Y M & Won L Y 2008 Embryogenesis and plant regeneration of hot pepper (*Capsicum annuum* L.) through isolated microspore culture. Plant Cell Reports 27 (3): 425-434.
- Zhi Ying G, Xue Quan Hong, Zhang Xiao Lu, Yang Bin, Xu Ying Jun & Zhou Yong Qiang 2008 Effect of the inoculation with the antagonistic fungi and actinomycetes in seedbed on micro-ecological systems of capsicum rooting zone and yield of capsicum. Journal of Northwest Agriculture and Forestry University Natural Science Edition 36 (4): 159-165, 170.
- Coriander (*Coriandrum sativum* L.)**
- Arbab A, Farahani H A & Abbaszadeh B 2008 The effects of super phosphate triple, water deficit stress and *Glomus hoi* biological fertilizer on some quantity and quality characteristics of *Coriandrum sativum* L. Iranian Journal of Medicinal and Aromatic Plants 24 (1): 18-30.
- Datta S, Alam K & Chatterjee R 2008 Effect of different levels of nitrogen and leaf cutting on growth leaf and seed yield of coriander. Indian Journal of Horticulture 65 (2): 201-203.
- Grosso C, Ferraro V, Figueiredo A C, Barroso J G, Coelho J A & Palavra A M 2008 Supercritical carbon dioxide extraction of volatile oil from Italian coriander seeds. Food Chemistry 111 (1): 197-203.
- Kumar A, Singh R & Chhillar R K 2008 Influence of omitting irrigation and nitrogen levels on growth, yield and water use efficiency of coriander (*Coriandrum sativum* L.). Acta Agronomica Hungarica 56 (1): 69-74.
- Lopez P A, Widrlechner M P, Simon P W, Rai S, Boylston T D, Isbell T A, Bailey T B, Gardner C A & Wilson L A 2008 Assessing phenotypic, biochemical, and molecular diversity in coriander (*Coriandrum sativum* L.) germplasm. Genetic Resources and Crop Evolution 55 (2): 275.

- Merino A, Ferrer J, Gomez J, Canales E & Borquez R 2008 Modeling of coriander seeds drying in an impingement dryer. Drying Technology 26 (1/3): 283-289.
- Nitharwal M & Ashok Sharma 2008 The feeding efficiency of natural enemies on brown wheat mite, *Petrobia latens* (Muller) infesting coriander under laboratory conditions. Asian Journal of Bio-Science 3 (1): 220-221.
- Sanchez C R, Altendorf K, Smalla K & Lipski A 2008 Spraying of oxytetracycline and gentamicin onto field-grown coriander did not affect the abundance of resistant bacteria, resistance genes, and broad host range plasmids detected in tropical soil bacteria. Biology and Fertility of Soils 44 (4): 589-596.
- Cumin (*Cuminum cyminum* L.)**
- Deepak P, Saran L & Lal G 2008 Control of wilt and blight diseases of cumin through antagonistic fungi under in vitro and field conditions. Notulae Botanicae, Horti Agrobotanici, Cluj Napoca 36 (2): 91-96.
- Mann R, Kshitij Agarwal, Chhater Singh, Vidhu Aeri & Nema R K 2008 Adventitious shoot proliferation from aseptically germinated seedlings of *Cuminum cyminum*. Pharmacognosy Magazine 4 (14): 132-137.
- Milan K S M, Hemang Dholakia, Tiku P K & Prakash Vishveshwaraiah 2008 Enhancement of digestive enzymatic activity by cumin (*Cuminum cyminum* L.) and role of spent cumin as a bionutrient. Food Chemistry 110 (3): 678-683.
- Panesar B & Jadeja G C 2008 Correlation studies and path analysis for agro-morphological traits in cumin (*Cuminum cyminum* L.). Crop Research Hisar 35 (1/2): 140-144.
- Saeidirad M H, Tabatabaeefar A, Borghei A, Mirsalehi M, Badii F & Varnamkhasti M G 2008 Effects of moisture content, seed size, loading rate and seed orientation on force and energy required for fracturing cumin seed (*Cuminum cyminum* Linn.) under quasi-static loading. Journal of Food Engineering 86 (4): 565-572.
- Zhan Wen X, Chen Guang Quan, Wang Jin & Zhao Zhi Xi 2008 Optimized intercropping configuration pattern for *Cuminum cyminum* L. and *Zea mays* L. Zhongguo Shengtai Nongye Xuebao/Chinese Journal of Eco Agriculture 16 (2): 459-463.
- Fennel (*Foeniculum vulgare* Miller)**
- An Xiang R, He Jin Ming, Xiao Yan Hui & Wang Yu Mei 2008 Effects of CO<sub>2</sub> concentration on plant growth, contents and components of essential oil in fennel (*Foeniculum vulgare*). Journal of Plant Ecology Chinese Version 32 (3): 698-703.
- Ayub M, Nadeem M A, Tanveer A, Tahir M, Saqib M T Y & Nawaz R 2008 Effect of different sowing methods and times on the growth and yield of fennel (*Foeniculum vulgare* Mill). Pakistan Journal of Botany 40 (1): 259-264.
- Carrubba A, Torre R Ia, Saiano F & Aiello P 2008 Sustainable production of fennel and dill by intercropping. Agronomy for Sustainable Development 28 (2): 247-256.
- Faudale M, Viladomat F, Bastida J, Poli F & Codina C 2008 Antioxidant activity and phenolic composition of wild, edible, and medicinal fennel from different Mediterranean countries. Journal of Agricultural and Food Chemistry 56 (6): 1912-1920.
- Koudela M & Petrikova K 2008 Nutritional compositions and yield of sweet fennel cultivars - *Foeniculum vulgare* Mill. ssp. *vulgare* var. *azoricum* (Mill.) Thell. Horticultural Science 35 (1): 1-6.
- Mona Y K, Kandil M A M & Hend M F S 2008 Effect of three different compost levels on fennel and salvia growth character and their essential oils. Research Journal of Agriculture and Biological Sciences 4 (1): 34-39.

Sekken M S A, Fahmy A A & Ahmed S S 2008 Performance of growing rabbits fed diets containing different levels of Fennel and Marjoram wastes under desert environmental conditions. Egyptian Journal of Nutrition and Feeds 11 (1): 1-23.

#### Fenugreek (*Trigonella foenum-graecum* L.)

Acharya S N, Thomas J E & Basu S K 2008 Fenugreek, an alternative crop for semiarid regions of North America. Crop Science 48 (3): 841-853.

Aparicio M F, Emeran A A & Rubiales D 2008 Control of *Orobanche crenata* in legumes intercropped with fenugreek (*Trigonella foenum graecum*). Crop Protection 27 (3/5): 653-659.

Astaraei A R & Sampietro D A 2008 Allelopathic effect of almond on cress and fenugreek. Allelopathy Journal 22 (1): 239-244.

Bajpai K G, Rahul Gupta Samta-Johri; Saxena A M 2008 Evaluation of ethanol extracts of *Trigonella foenum graecum* and *Swertia chirayita* for blood sugar lowering in rats. Journal of Applied Bioscience 34 (1): 97-99.

Basu S K, Acharya S N & Thomas J E 2008 Genetic improvement of fenugreek (*Trigonella foenum graecum* L.) through EMS induced mutation breeding for higher seed yield under western Canada prairie conditions. Euphytica 160 (2): 249-258.

Bisht S 2008 Inhibitory effect of phylloplane fungi on *Erysiphe polygoni* DC inciting powdery mildew disease of *Trigonella foenum graecum*. Annals of Plant Protection Sciences 16 (1): 150-152.

Haouala R, Khanfir R, Tarchoune A, Hawala S & Beji A 2008 Allelopathic potential of *Trigonella foenum graecum* L. Allelopathy Journal 21 (2): 307-316.

Mahorkar V K, Meena H R, Jadhao B J, Panchbhai D M, Dod V N & Peshattiwari P D 2008 Effect of micronutrients and humic acid on growth and leaf yield of fenugreek. Plant Archives 8 (1): 303-306.

Patil U D, Dhanphule S S & Arvadia M K 2008 Effect of organic manure and inorganic fertilizers application on growth and yield attributes of fenugreek (*Trigonella foenum graecum* L.). International Journal of Plant Sciences Muzaffarnagar 3 (1): 233-234.

Rathore H S & Porwal M K 2008 Nutrient uptake, protein content and relative economics of fenugreek (*Trigonella foenum graecum*) as influenced by sowing dates, microbial inoculation and weed management. Indian Journal of Agricultural Sciences 78 (6): 560-562.

Sulieman A M E, Ali A O & Hemavathy J 2008 Lipid content and fatty acid composition of fenugreek (*Trigonella foenum graecum* L.) seeds grown in Sudan. International Journal of Food Science and Technology 43 (2): 380-382.

Vasudevan S N, Sudarshan J S, Kurdikeri M B & Dharmatti P R 2008 Influence of harvesting stages on seed yield and quality in Fenugreek. Karnataka Journal of Agricultural Sciences 21 (1): 122-124.

Vasudevan S N, Sudarshan J S, Kurdikeri M B & Dharmatti P R 2008 Influence of pinching of apical bud and chemical sprays on seed yield and quality of fenugreek. Karnataka Journal of Agricultural Sciences 21 (1): 26-29.

Yadav M, Radha Tomar, Prasad G B K S, Shalini Jain & Hariom Yadav 2008 Complementary hypoglycemic and anti hyperglycemic activity of various extracts of fenugreek seeds in rats. Asian Journal of Biochemistry 3 (3): 182-187.

#### Garcinia (*Garcinia* spp.)

Chen L, Yang L & Wang C 2008 Anti-inflammatory activity of mangostins from *Garcinia mangostana*. Food and Chemical Toxicology 46 (2): 688-693.

Chin Y W, Jung H A, Chai H Y, Keller W J & Kinghorn A D 2008 Xanthones with quinone reductase inducing activity from the fruits of *Garcinia mangostana* (Mangosteen). Phytochemistry 69 (3): 754-758.

John K J, Kumar R S, Suresh C P, George J K & Abraham Z 2008 Occurrence, distribution and economic potential of seashore mangosteen (*Garcinia hombroniana* Pierre) in India. Genetic Resources and Crop Evolution 55 (2): 183-186.

Louh G N, Lannang A M, Mbazoia C D, Tangmouo J G, Komguem J, Castilho P, Nganizeko F N, Qamar N, Lontsi D, Choudhary M I & Sondengam B L 2008 Polyanxanthone A, B and C, three xanthones from the wood trunk of *Garcinia polyantha* Oliv. Phytochemistry 69 (4): 1013-1017.

Martins F T, Doriguetto A C, Souza T C de, Souza K R D de, Santos M H dos, Moreira M E C & Barbosa L C A 2008 Composition, and anti-inflammatory and antioxidant activities of the volatile oil from the fruit peel of *Garcinia brasiliensis*. Chemistry and Biodiversity 5 (2): 251-258.

Muensritharam L, Tolieng V, Chaichantipyuth C, Petsom A & Nhujak T 2008 Capillary zone electrophoresis for separation and analysis of hydroxycitric acid and hydroxycitric acid lactone: application to herbal products of *Garcinia atroviridis* Griff. Journal of Pharmaceutical and Biomedical Analysis 46 (3): 577-582.

Namuco L O 2008 'Roxas Purple,' a new nsic-registered variety of mangosteen (*Garcinia mangostana* L.). Philippine Journal of Crop Science 33 (1): 103-106.

Wu C, Lu Y, Wei B, Yang S, Won S & Lin C 2008 Phloroglucinols with prooxidant activity from *Garcinia subelliptica*. Journal of Natural Products 71 (2): 246-250.

#### Garlic (*Allium sativum* L.)

Celik A, Unyayar S, Cekic F O & Guzel A 2008 Micronucleus frequency and lipid peroxidation in *Allium sativum* root tip cells treated with gibberellic acid and cadmium. Cell Biology and Toxicology 24 (2): 159-164.

El Shenawy N S, Soliman M F M & Reyad S I 2008 The effect of antioxidant properties of aqueous garlic extract and *Nigella sativa* as anti-schistosomiasis agents in mice. Revista do Instituto de Medicina Tropical de Sao Paulo 50 (1): 29-36.

Hafeeza K, Sariya T & Hina Ys 2008 Phospholipase D from *Allium sativum* bulbs: a highly active and thermal stable enzyme. International Journal of Biological Macromolecules 42 (4): 380-385.

He N, Li Q, Sun D & Ling X 2008 Isolation, purification and characterization of superoxide dismutase from garlic. Biochemical Engineering Journal 38 (1): 33-38.

Ipek M, Ipek A & Simon P W 2008 Genetic characterization of *Allium tuncelianum*: an endemic edible *Allium* species with garlic odor. Scientia Horticulturae 115 (4): 409-415.

Ipek M, Ipek A & Simon P W 2008 Molecular characterization of Kastamonu garlic: an economically important garlic clone in Turkey. Scientia Horticulturae 115 (2): 203-208.

Jaggi R C & Raina S K 2008 Direct, residual and direct + residual effects of sulphur in garlic (*Allium sativum*)-maize (*Zea mays*) cropping sequence. Journal of Environmental Biology 29 (1): 85-88.

Jaggi R C & Raina S K 2008 Nutrient content in garlic during growth as indices of yield and yield attributes. Indian Journal of Horticulture 65 (1): 119-121.

Junior M A, Marraccini F M, Melo Filho P de A, Dusi A N, Pio Ribeiro G & Ribeiro B M 2008 Recombinant expression of *Garlic virus C* (GARV-C) capsid protein in insect cells and its potential for the production of specific antibodies. Microbiological Research 163 (3): 354-361.

Kim E, Choi N, Bajpai V K & Kang S 2008 Synergistic effect of nisin and garlic shoot juice against *Listeria monocytogenes* in milk. Food Chemistry 110 (2): 375-382.

Long Y, Wu Z, Yang, Li C & Zeng X 2008 Anatomy of organogenesis from garlic (*Allium sativum* L.) rachis in vitro culture. Acta Botanica Boreali Occidentalis Sinica 28 (3): 470-474.

- Mahmoud S Y M, Abo El M S A, El Borollosy A M & Abdel Ghaffar M H 2008 Identification of *Onion yellow dwarf potyvirus* as one of the major viruses infecting garlic in Egypt. International Journal of Virology 4 (1): 1-13.
- O'Gara E A, Maslin D J, Nevill A M & Hill D J 2008 The effect of simulated gastric environments on the anti-*Helicobacter* activity of garlic oil. Journal of Applied Microbiology 104 (5): 1324-1331.
- Parisi M G, Moreno S & Fernandez G 2008 Isolation and characterization of a dual function protein from *Allium sativum* bulbs which exhibits proteolytic and hemagglutinating activities. Plant Physiology and Biochemistry 46 (4): 403-413.
- Sadeghi A, Smagghe G, Broeders S, Hernalsteens J P, Greve H de, Peumans W J & Damme E J M van 2008 Ectopically expressed leaf and bulb lectins from garlic (*Allium sativum* L.) protect transgenic tobacco plants against cotton leafworm (*Spodoptera littoralis*). Transgenic Research 17 (1): 9-18.
- Salam A M A, Ammar N & Abdel Hamid A Z 2008 Effectiveness of probiotic labneh supplemented with garlic or onion oil against *Schistosoma mansoni* in infected mice. International Journal of Dairy Science 3 (2): 97-104.
- Seki T, Hosono T, Hosono Fukao T, Inada K, Tanaka R, Ogihara J & Ariga T 2008 Anticancer effects of diallyl trisulfide derived from garlic. Asia Pacific Journal of Clinical Nutrition 17 (Supplement 1): 249-252.
- Shahraeen N, Lesemann D E & Ghotbi T 2008 Survey for viruses infecting onion, garlic and leek crops in Iran. Bulletin OEPP/EPPO Bulletin 38 (1): 131-135.
- Shemesh E, Scholten O, Rabinowitch H D & Kamenetsky R 2008 Unlocking variability: inherent variation and developmental traits of garlic plants originated from sexual reproduction. Planta 227 (5): 1013-1024.
- Stajner D, Igic R, Popovic B M & Malencic D 2008 Comparative study of antioxidant properties of wild growing and cultivated *Allium* species. Phytotherapy Research 22 (1): 113-117.
- Stumpe M, Carsjens J G, Gobel C & Feussner I 2008 Divinyl ether synthesis in garlic bulbs. Journal of Experimental Botany 59 (4): 907-915.
- Su Juan J, Wang Jun Wei, Wang Yan Hong, Li Bo & Gui Jie Hua 2008 Relationship between available Pb, Cd in soil and garlic absorption. Journal of Shenyang Agricultural University 39 (2): 237-239.
- Sun Tay C, Lee Seung Koo, Cho Jung Eun & Bae Ro Na 2008 Effects of storage temperature and CA conditions on postharvest quality of garlic bulbs (*Allium sativum* L.). Horticulture, Environment and Biotechnology 49 (2): 109-113.
- Tamaki K, Sonoki S, Tamaki T & Ehara K 2008 Measurement of odour after in vitro or in vivo ingestion of raw or heated garlic, using electronic nose, gas chromatography and sensory analysis. International Journal of Food Science and Technology 43 (1): 130-139.
- Xu Q, Chen Q & Chen D 2008 Obtaining somatic chimeras by in vitro meristem-apex grafting culture in garlic (*Allium sativum* L.). Acta Horticulturae Sinica 35 (1): 65-70.
- Yin X, Wei S, Liu B, He Z, Bai Ying Y & Hu S 2008 Restraining effect of garlic juice on two tomato fungus diseases. Journal of Shenyang Agricultural University 39 (1): 89-91.
- Zhang L & Cheng Z 2008 Effect of white rot pathology (*Sclerotium cepivorum* Berk.) on defensive enzymes of garlic. Journal of Northwest Agriculture and Forestry 36 (4): 171-174.
- Zheng L, Huang J & Hsiang T 2008 First report of leaf blight of garlic (*Allium sativum*) caused by *Stemphylium solani* in China. Plant Pathology 57 (2): 380.
- Zheng L, Liu J, Zhang L & Huang J 2008 Biological characteristics and host range of the pathogen causing white leaf spot of garlic. Acta Phytotaxonomica Sinica 35 (2): 119-122.
- Zheng S & Kik C 2008 Recent developments and future prospects of gene transfer in *Allium* species. Advances in Plant Biotechnology 457-473.

- Zhi Hui C, Tong Fei & Jin Rui 2008 Primary study on the inhibitory effects on plant pathogen and the inhibitory ingredient of garlic straw aqueous extracts. Acta Botanica Boreali Occidentalia Sinica 28 (2): 324-330.
- Ginger (*Zingiber* spp.)
- Ali B H, Blunden G, Tanira M O & Nemmar A 2008 Some phytochemical, pharmacological and toxicological properties of ginger (*Zingiber officinale* Roscoe): a review of recent research. Food and Chemical Toxicology 46 (2): 409-420.
- Barguil B M, Albert I C L, Michereff S J & Oliveira S M A de 2008 Diagrammatic scale for assessment of torch ginger anthracnose severity. Ciencia Rural 38 (3): 807-810.
- Chan E W C, Lim Y Y, Wong L F, Lianto F S, Wong S K, Lim K K, Joe C E & Lim T Y 2008 Antioxidant and tyrosinase inhibition properties of leaves and rhizomes of ginger species. Food Chemistry 109 (3): 477-483.
- Chavan P, Dnyaneshwar Warude, Kalpana Joshi & Bhushan Patwardhan 2008 Development of SCAR (sequence characterized amplified region) markers as a complementary tool for identification of ginger (*Zingiber officinale* Roscoe) from crude drugs and multicomponent formulations. Biotechnology and Applied Biochemistry 50 (1): 61-69.
- Chen I, C C, Ng C, Wang C Y, Shyu Y T & Chang T 2008 Antioxidant and antimicrobial activity of Zingiberaceae plants in Taiwan. Plant Foods for Human Nutrition 63 (1): 15-20.
- Chun Mei H, Pan Kai Wen, Wu Ning, Wang Jin Chuang & Li Wei 2008 Allelopathic effect of ginger on seed germination and seedling growth of soybean and chive. Scientia Horticulturae 116 (3): 330-336.
- Chung Yi C, Chen Ching Hsein, Kung Chiu Hu, Kuo Shih Hsing & Kuo Soong Yu 2008[6] Gingerol induces Ca<sup>2+</sup> mobilization in madin darby canine kidney cells. Journal of Natural Products 71 (1): 137-140.
- Guan Q Z, Guo Y H, Sui X L, Li W & Zhang Z X 2008 Changes in photosynthetic capacity and antioxidant enzymatic systems in micropropagated *Zingiber officinale* plantlets during their acclimation. Photosynthetica 46 (2): 193-201.
- Hailemichael G & Kindie Tesfaye 2008 The effects of seed rhizome size on the growth, yield and economic return of ginger (*Zingiber officinale* Rosc.). Asian Journal of Plant Sciences 7 (2): 213-217.
- Jagadev P N, Panda K N & Beura S 2008 A fast protocol for in vitro propagation of ginger (*Zingiber officinale* Rosc.) of a tribal district of India. Acta Horticulturae 765: 101-107.
- Kamble S Y, More T N, Patil S R, Pawar S G, Ram Bindurani & Bodhankar S L 2008 Plants used by the tribes of Northwest Maharashtra for the treatment of gastrointestinal disorders. Indian Journal of Traditional Knowledge 7 (2): 321-325.
- Kavitha P G & Thomas G 2008 Population genetic structure of the clonal plant *Zingiber zerumbet* (L.) Smith (Zingiberaceae), a wild relative of cultivated ginger, and its response to *Pythium aphanidermatum*. Euphytica 160 (1): 89-100.
- Lincy A K, Jayarajan K & Sasikumar B 2008 Relationship between vegetative and rhizome characters and final rhizome yield in micropropagated ginger plants (*Zingiber officinale* Rosc.) over two generations. Scientia Horticulturae 118 (1): 70-73.
- Paliyal S S, Kamla Kanwar, Rajendra Sharma & Bedi M K 2008 Productivity and soil fertility under different nutrient applications in ginger + french bean cropping system in Western Himalayas. Journal of Farming Systems Research and Development 14 (1): 20-28.
- Paret M L, Silva A S de, Criley R A & Alvarez A M 2008 *Ralstonia solanacearum* race 4: risk assessment for edible ginger and floricultural ginger industries in Hawaii. HortTechnology 18 (1): 90-96.
- Pariari A, Imam M N & Chowdhury S M 2008 Performance of some ginger germplasms of north-eastern states in the Gangetic Alluvial Plains. Crop Research, Hisar 35 (1/2): 138-139.

- Priya R S & Subramanian R B 2008 Isolation and molecular analysis of R gene in resistant *Zingiber officinale* (ginger) varieties against *Fusarium oxysporum* f. sp. *zingiberi*. *Bioresource Technology* 99 (11): 4540-4543.
- Roy S S, Hore J K, Bandopadhyay A & Ghosh D K 2008 Effect of different organic manures with varying levels of nitrogen on the growth and yield of ginger grown as intercrop in pre-bearing coconut garden. *Indian Coconut Journal* 38 (9): 18-22.
- Shirsat N D, Nadkarni H R, Bhave S G, Gokhale N B & Sawant S S 2008 Clonal propagation of ginger var. Varada through tissue culture. *Journal of Maharashtra Agricultural Universities* 33 (2): 178-180.
- Silva M F da, Pescador R, Rebelo R A & Sturmer S L 2008 The effect of arbuscular mycorrhizal fungal isolates on the development and oleoresin production of micropropagated *Zingiber officinale*. *Brazilian Journal of Plant Physiology* 20 (2): 119-130.
- Soto A H, Gatica Arias A & Alvarenga Venutolo S 2008 Low cost glass fermentor design for mass micropropagation of ginger. *Agronomia Mesoamericana* 19 (1): 87-92.
- Tao Q, Xu Y, Lam R Y Y, Schneider B, Dou H, Leung P, Shi S, Zhou C, Yang L, Zhang R, Xiao Y, Wu X, Stockigt J, Zeng S, Cheng C H K & Zhao Y 2008 Diarylheptanoids and a monoterpenoid from the rhizomes of *Zingiber officinale*: antioxidant and cytoprotective properties. *Journal of Natural Products* 71 (1): 12-17.
- Tripathi A K, Datta K K, Khan A K, Verma M R & Subhasis Mandal 2008 Economic assessment of front line demonstrations of ginger under mild tropical hill conditions of Meghalaya. *Environment and Ecology* 26 (1A): 444-447.
- Vieira F C & Sarmento S B S 2008 Heat moisture treatment and enzymatic digestibility of Peruvian carrot, sweet potato and ginger starches. *Starch/Starke* 60 (5): 223-232.
- Xu K, Kang L M, Zheng Y Q & Su H 2008 Changes of carbon and nitrogen nutrition during growth of ginger. *Acta Horticulturae* 765: 263-268.
- Yang G H, Conner R L, Cai H, Li F & Chen Y Y 2008 First report of rhizome blight of ginger caused by binucleate *Rhizoctonia* AG-R in China. *Plant Disease* 92 (2): 312.
- Yuan Z & Zhang XueSong 2008 Study on extracting gingerol from ginger by ethyl alcohol. *China Condiment* 4: 83-85.
- Large cardamom (*Amomum subulatum* Roxb.)**
- Kaskoos R A, Mir S R, Rent Kapoor & Ali M 2008 Essential oil composition of the fruits of *Amomum subulatum* Roxb. *Journal of Essential Oil Bearing Plants* 11 (2): 184-187.
- Mustard (*Brassica* spp.)**
- Ai Xia X, Ma Chao Zhi, Xiao En Shi, Quan Jing Chun, Ma Chang Zhen, Tian Guang Wen, Tu Jin Xing, Fu Ting Dong & Zhang Gai Sheng 2008 Genetic diversity of *Brassica juncea* from Western China. *Acta Agronomica Sinica* 34 (5): 754-763.
- Ali H & Ansari M S 2008 Efficacy of insecticides against *Lipaphis erysimi* on mustard crop. *Journal of Entomological Research* 32 (1): 45-47.
- Ansari Z A & Lal M N 2008 Reaction of *Brassica* genotypes to mustard aphid, *Lipaphis erysimi* (Kalt.) infestation. *Progressive Agriculture* 8 (1): 17-18.
- Ashutosh, Pankaj Kumar, Kumar V D, Sharma P C, Shyam Prakash & Bhat S R 2008 A novel orf108 co-transcribed with the atpA gene is associated with cytoplasmic male sterility in *Brassica juncea* carrying *Moricandia arvensis* cytoplasm. *Plant and Cell Physiology* 49 (2): 284-289.
- Barrozo M A S, Silva A A M & Oliveira D T 2008 The use of curvature and bias measures to discriminate among equilibrium moisture equations for mustard seed. *Journal of Stored Products Research* 44 (1): 65-70.
- Barthet V J 2008 (n-7) and (n-9) cis-monounsaturated fatty acid contents of 12 *Brassica* species. *Phytochemistry* 69 (2): 411-417.

- Beckie H J, Johnson E N, Blackshaw R E & Gan Y 2008 Productivity and quality of canola and mustard cultivars under weed competition. *Canadian Journal of Plant Science* 88 (2): 367-372.
- Beckie H J, Johnson E N, Blackshaw R E & Gan Yan Tai 2008 Weed suppression by canola and mustard cultivars. *Weed Technology* 22 (1): 182-185.
- Bhat S R, Pankaj Kumar & Shyam Prakash 2008 An improved cytoplasmic male sterile (*Diplotaxis berthautii*) *Brassica juncea*: identification of restorer and molecular characterization. *Euphytica* 159 (1/2): 145-152.
- Bong Su C, Ohe M, Harada J & Daimon H 2008 Role of belowground parts of green manure legumes, *Crotalaria spectabilis* and *Sesbania rostrata*, in N uptake by the succeeding tendergreen mustard plant. *Plant Production Science* 11 (1): 116-123.
- Burton W A, Flood R F, Norton R M, Field B, Potts D A, Robertson M J & Salisbury P A 2008 Identification of variability in phenological responses in canola quality *Brassica juncea* for utilisation in Australian breeding programs. *Australian Journal of Agricultural Research* 59 (9): 874-881.
- Cao J, Shelton A M & Earle E D 2008 Sequential transformation to pyramid two Bt genes in vegetable Indian mustard (*Brassica juncea* L.) and its potential for control of diamondback moth larvae. *Plant Cell Reports* 27 (3): 479-487.
- Chand S & Ram D 2008 PSM and Azotobacter population in rhizosphere soil of mustard as influenced by organic and inorganic sources. *Environment and Ecology* 26 (1): 43-46.
- Chaudhary H P, Shahzad Khan & Uttam S K 2008 Effect of nutrient doses and moisture conservation techniques on rainfed mustard in eroded soils of central Uttar Pradesh. *Indian Journal of Soil Conservation* 36 (1): 58-60.
- Chevre A M, Brun H, Eber F, Letanneur J C, Vallee P, Ermel M, Glais I, Li Hua, Sivasithamparam K & Barbetti M J 2008 Stabilization of resistance to *Leptosphaeria maculans* in *Brassica napus-B. juncea* recombinant lines and its introgression into spring type *Brassica napus*. *Plant Disease* 92 (8): 1208-1214.
- Choudhary Z A & Sharma D C 2008 Dynamics of pesticide residues in nectar and pollen of mustard (*Brassica juncea* (L.) Czern.) grown in Himachal Pradesh (India). *Environmental Monitoring and Assessment* 144 (1/3): 143-150.
- Clisby A, Verghese M, Cebert E, Walker L T, Field R, Shackelford L, Boateng J, Chawan C B 2008 Canola and mustard seeds/sprouts reduce the formation of aberrant crypt foci in azoxymethane-induced colon cancer in Fisher 344 male rats. *Journal of Biological Sciences* 8 (2): 410-415.
- Cooper A J, Latunde Dada A O, Woods Tor A, Lynn J, Lucas J A, Crute I R & Holub E B 2008 Basic compatibility of *Albugo candida* in *Arabidopsis thaliana* and *Brassica juncea* causes broad spectrum suppression of innate immunity. *Molecular Plant Microbe Interactions* 21 (6): 745-756.
- Da Yun Z & Ding Xiao Lin 2008 Studies on the low-salt Chinese potherb mustard (*Brassica juncea*, Coss.) pickle. I - The effect of a homofermentative L(+)-lactic acid producer *Bacillus coagulans* on starter culture in the low-salt Chinese potherb mustard pickle fermentation. *LWT Food Science and Technology* 41 (3): 474-482.
- Debiase G, Rotolo C, Mazzoli M, Pollastro S, Verdini L, Mastro G de & Faretra F 2008 Preliminary results on the biofumigant activity of *Brassica juncea* against soilborne fungi. *Giornate Fitopatologiche* 2008, Cervia RA, 12-14 March 2008, Volume-2, 573-580.
- Dehdashti S M & Soleymani A 2008 Heat stress effect on flowering and seed yield in delay cropping of canola (*Brassica napus*, *B. rapa* and *B. juncea*). *Crop Research*, Hisar 35 (3): 210-217.

- Dey D & Akhtar M S 2008 Spatial distribution and population dynamics of mustard aphid (*Lipaphis erysimi*) on Indian mustard (*Brassica juncea*). Indian Journal of Agricultural Sciences 78 (8): 719-722.
- Dutta S, Bhattacharya B K, Rajak D R, Chattopadhyay C, Dadhwal V K, Patel N K, Parihar J S & Verma R S 2008 Modelling regional level spatial distribution of aphid (*Lipaphis erysimi*) growth in Indian mustard using satellite based remote sensing data. International Journal of Pest Management 54 (1): 51-62.
- Ebbs S & Uchil S 2008 Cadmium and zinc induced chlorosis in Indian mustard [*Brassica juncea* (L.) Czern] involves preferential loss of chlorophyll b. Photosynthetica 46 (1): 49-55.
- Goswami G & Sinhamahapatra S P 2008 Effect of siliqua orientation on seed yield and some yield attributes in Indian mustard (*Brassica juncea*). Indian Journal of Agricultural Sciences 78 (6): 554-556.
- Guang Xing S, Chen Jun Chao, Zhang Guo Rong & Zheng Wei Cheng 2008 The research on cultural technique of stem mustard (*Brassica juncea* var. *tsatsai*). Acta Agriculturae Shanghai 24 (1): 133-135.
- Harbaum B, Hubermann E M, Zhu Zhu Jun & Schwarz K 2008 Free and bound phenolic compounds in leaves of pak choi (*Brassica campestris* L. ssp. *chinensis* var. *communis*) and Chinese leaf mustard (*Brassica juncea* Coss). Food Chemistry 110 (4): 838-846.
- Harbaum B, Hubermann E M, Zhu ZhuJun & Schwarz K 2008 Impact of fermentation on phenolic compounds in leaves of pak choi (*Brassica campestris* L. ssp. *chinensis* var. *communis*) and Chinese leaf mustard (*Brassica juncea* Coss). Journal of Agricultural and Food Chemistry 56 (1): 148-157.
- Hibi T, Tochihara T, Sagehashi Y, Mori K, Moriwaki J, Yatou O, Hirayae K & Kawata M 2008 Antimicrobial activity of *E.coli* expressed defensin (Bj-AFP1) isolated from *Brassica juncea*. Bulletin of the National Agricultural Research Center 10: 1-8.
- Hugar P G, Anandhi P, Savita Varma & Sarvanan L 2008 Seasonal incidence of important insect pests of mustard and their natural enemies in relation to weather parameters, in Allahabad region. Journal of Entomological Research 32 (2): 109-112.
- Hung Yu L, Chen Shih Wen & Chen Zueng Sang 2008 Pot experiment to study the uptake of Cd and Pb by three Indian mustards (*Brassica juncea*) grown in artificially contaminated soils. International Journal of Phytoremediation 10 (2): 89-103.
- Jain A K, Jitendra Mohan, Sudhir Kumar & Panwar J D S 2008 Comparative study on effect of different levels of nitrogen and weed control methods on mustard. Advances in Plant Sciences 21 (1): 371-372.
- Jin X, Zhang Yu Xiu, Guan Zi Qiu, Wei Wei, Han Lu & Chai Tuan Yao 2008 Expression and function of two dehydrins under environmental stresses in *Brassica juncea* L. Molecular Breeding 21 (4): 431-438.
- Jing Xue W, Li Yong Hu & Liang Chao 2008 Recovery of transgenic plants by pollen mediated transformation in *Brassica juncea*. Transgenic Research 17 (3): 417-424.
- Kaur P, Li C X, Barbetti M J, You M P, Li H & Sivasithamparam K 2008 First report of powdery mildew caused by *Erysiphe cruciferarum* on *Brassica juncea* in Australia. Plant Disease 92 (4): 650.
- Kaur P, Sivasithamparam K & Barbetti M J 2008 Pathogenic behaviour of strains of *Albugo candida* from *Brassica juncea* (Indian mustard) and *Raphanus raphanistrum* (wild radish) in Western Australia. Australasian Plant Pathology 37 (4): 353-356.
- Khan M A, Rabbani M A, Muhammad Munir, Ajmal S K & Malik M A 2008 Assessment of genetic variation within Indian mustard (*Brassica juncea*) germplasm using random amplified polymorphic DNA markers. Journal of Integrative Plant Biology 50 (4): 385-392.
- Khobragade A M, Ramagya Singh, Agashe D R, Ambhore S S & Waghmare C R 2008 Radiation use efficiency in the mustard (*Brassica juncea* L.) as influenced by different sowing dates, plant spacings and genotypes. Journal of Soils and Crops 18 (1): 73-80.

- Khurana M P S, Sadana U S & Chhibba I M 2008 Manganese use efficiency of wheat (*Triticum aestivum* L.) and raya (*Brassica juncea* L.) grown on manganese deficient soils. Environment and Ecology 26 (2): 575-578.
- Koundal V, Parida S K, Yadava D K, Arif Ali, Koundal K R & Trilochan Mohapatra 2008 Evaluation of microsatellite markers for genome mapping in Indian mustard (*Brassica juncea* L.). Journal of Plant Biochemistry and Biotechnology 17 (1): 69-72.
- Kumar G & Chakravarty N V K 2008 A simple weather based forewarning model for white rust in *Brassica*. Journal of Agrometeorology 10 (1): 75-80.
- Kumar G, Tarun Adak, Chakravarty N V K, Srivastava A K & Sharma P K 2008 Effect of debranching on performance of *Brassica*. Environment and Ecology 26 (1A): 431-436.
- Kundu C & Rabinarayan Pattanayak 2008 Contribution of different production factors on growth and yield of mustard [*Brassica juncea* (L.) Czern and Coss]. Journal of Interacademicia 12 (1): 12-15.
- Li C X, Sivasithamparam K, Walton G, Fels P & Barbetti M J 2008 Both incidence and severity of white rust disease reflect host resistance in *Brassica juncea* germplasm from Australia, China and India. Field Crops Research 106 (1): 1-8.
- Li C X, Wratten, Salisbury P A, Burton W A, Potter T D, Walton G, Li Hua, Sivasithamparam K, Banga S S, Shashi Banga, Singh D, Liu S Y, Fu T D & Barbetti M J 2008 Response of *Brassica napus* and *B. juncea* germplasm from Australia, China and India to Australian populations of *Leptosphaeria maculans*. Australasian Plant Pathology 37 (2): 162-170.
- Li Xiang C, Jiang Min, Zeng Zhi Rui, Du Ai Xue, Tan Hong Ming & Liu Yu Huan 2008 *Trichoderma atroviride* F6 improves phytoextraction efficiency of mustard (*Brassica juncea* (L.) Coss. var. *foliosa* Bailey) in Cd, Ni contaminated soils. Chemosphere 71 (9): 1769-1773.
- Lin C, Chai Tuan Yao & Zhang Yu Xiu 2008 Characterization of the novel gene BjDREB1B encoding a DRE-binding transcription factor from *Brassica juncea* L. Biochemical and Biophysical Research Communications 371 (4): 702-706.
- Lohia R S 2008 Combining ability analysis in Indian mustard [*Brassica juncea* (L.) Czern and Coss]. Plant Archives 8 (1): 395-397.
- Lone P M, Rahat Nazar, Sarvajeet Singh & Khan N A 2008 Effects of timing of defoliation on nitrogen assimilation and associated changes in ethylene biosynthesis in mustard (*Brassica juncea*). Biologia Bratislava 63 (2): 207-210.
- Makeen K, Archana Kumari, Chaurasia A K & Shafeeq Hakeem 2008 Effect of different levels of sulphur application on physiological and the yield behaviour of mustard (*Brassica juncea* L.). Progressive Research 3 (1): 53-56.
- Meena P D, Chattopadhyay C & Meena R L 2008 Eco-friendly management of *Alternaria* blight in *Brassica juncea*. Indian Phytopathology 61 (1): 65-69.
- Ming Li Y, Liu Xian Jun, Liu Zhong Song, Guan ChunYun, Yuan Mou Zhi & Xiong Xing Hua 2008 Cloning and expression analysis of the dihydroflavonol 4-reductase gene in *Brassica juncea*. Acta Agronomica Sinica 34 (1): 1-7.
- Misra A K, Manohar S S, Kumar A & Singh K 2008 Characterization and genetic association in Indian mustard (*Brassica juncea* L. Czern & Coss) germplasm. Journal of Maharashtra Agricultural Universities 33 (2): 187-189.
- Nazar R, Khan N A & Anjum N A 2008 ATP sulfurylase activity, photosynthesis, and shoot dry mass of mustard (*Brassica juncea* L.) cultivars differing in sulfur accumulation capacity. Photosynthetica 46 (2): 279-282.
- Panjab P, Arun Jagannath, Bisht N C, Padmaja K L, Sarita Sharma, Vibha Gupta, Pradhan A K & Deepak Pental 2008 Comparative mapping of *Brassica juncea* and *Arabidopsis thaliana* using Intron Polymorphism (IP) markers: homeologous relationships, diversification and evolution of the A, B and C *Brassica* genomes. BMC Genomics 9 (113): (03 March 2008).

- Prem D, Kadambari Gupta, Gautam Sarkar & Abha Agnihotri 2008 Activated charcoal induced high frequency microspore embryogenesis and efficient doubled haploid production in *Brassica juncea*. *Plant Cell, Tissue and Organ Culture* 93 (3): 269-282.
- Pyare R, Kedar Prasad, Sarvind Kumar, Tiwari R K & Sonkar T C 2008 Production potential and economics of lentil (*Lens esculenta*) and mustard (*Brassica juncea*) in mixed and intercropping system. *Plant Archives* 8 (1): 233-236.
- Rajkumar M & Freitas H 2008 Effects of inoculation of plant growth promoting bacteria on Ni uptake by Indian mustard. *Bioresource Technology* 99 (9): 3491-3498.
- Randhawa N & Sharma S K 2008 Control of root-knot nematode (*Meloidogyne incognita*) in nursery beds of tomato by soil amendment with *Brassica rapa*, *Brassica juncea*, *Brassica napus* and *Eruca sativa* plants. *Pakistan Journal of Nematology* 26 (1): 91-96.
- Richards A, Wijesundera C & Salisbury P 2008 Genotype and growing environment effects on the tocopherols and fatty acids of *Brassica napus* and *B. juncea*. *Journal of the American Oil Chemists' Society* 85 (2): 159-168.
- Sankaran R P & Ebbs S D 2008 Transport of Cd and Zn to seeds of Indian mustard (*Brassica juncea*) during specific stages of plant growth and development. *Physiologia Plantarum* 132 (1): 69-78.
- Sarangi P K & Baral S 2008 Relative abundance of bee visitors in mustard crop in Bhubaneswar conditions. *Journal of Plant Protection and Environment* 5 (1): 138-140.
- Seth C S, Chaturvedi P K & Virendra Misra 2008 The role of phytochelatins and antioxidants in tolerance to Cd accumulation in *Brassica juncea* L. *Ecotoxicology and Environmental Safety* 71 (1): 76-85.
- Sharma A, Raju Gupta & Anil Kumar 2008 Effect of sowing methods, nitrogen and sulphur level on growth, yield and oil contents of mustard (*Brassica juncea*). *Plant Archives* 8 (1): 421-424.
- Sharma N & Swati Sharma 2008 Control of foliar diseases of mustard by *Bacillus* from reclaimed soil. *Microbiological Research* 163 (4): 408-413.
- Shekhawat G S, Archana Prasad, Kusum Verma & Astha Sharma 2008 Changes in growth, lipid peroxidation and antioxidant system in seedlings of *Brassica juncea* under cadmium stress. *Biochemical and Cellular Archives* 8 (1): 145-149.
- Shuang Z, Lei Jian Jun, Chen Guo Ju & Cao Bi Hao 2008 Application of kanamycin in transgenic mustard (*Brassica juncea* Coss.). *Hereditas Beijing* 30 (4): 501-507.
- Siddiqui M H, Khan M N, Mohammad F & Khan M M A 2008 Role of nitrogen and gibberellin (GA3) in the regulation of enzyme activities and in osmoprotectant accumulation in *Brassica juncea* L. under salt stress. *Journal of Agronomy and Crop Science* 194 (3): 214-224.
- Singh M, Geeta Singh, Vijendra Kumar & Anshu Dhaka 2008 Combining ability analysis for some metric traits related to seed yield in Indian mustard (*Brassica juncea* (L.) Czern and Coss). *Progressive Agriculture* 8 (1): 57-60.
- Singh N K, Verma O P, Kumar K, Singh R B, Singh H K & Singh A P 2008 Impact of improved technologies on yield and economics of Indian mustard [*Brassica juncea* (L.) Czern & Coss] at farmers' fields. *Crop Research, Hisar* 35 (1/2): 21-22.
- Singh N, Srivastava A K & Udit Narain 2008 Efficacy of fungicides against *Alternaria* blight of mustard. *International Journal of Plant Sciences Muzaffarnagar* 3 (1): 311-312.
- Singh R S & Harendra Kumar 2008 Effect of different nutrients and cropping-sequences on the incidence of pea leaf miner (*Phytomyza atricornis* Meig.) in mustard. *International Journal of Agricultural Sciences* 4 (1): 192-194.
- Singh R S & Harendra Kumar 2008 Effect of different nutrients and cropping-sequences on the incidence of Bihar hairy caterpillar (*Spilosoma obliquea* Walk.) in mustard crop. *Asian Journal of Bio Science* 3 (1): 41-43.

- Singh V, Matadin Lodhi & Verma N K 2008 Effect of phosphorus and sulphur levels on growth and yield of mustard (*Brassica juncea* Coss) variety 'Varuna'. *Agricultural Science Digest* 28 (1): 59-60.
- Sirohi S P S, Gaurav S S, Sanjai Malik, Sandeep Sirohi & Meenakshi 2008 Correlation and path analysis of Indian mustard (*Brassica juncea* [L.] Czern and Coss). *Progressive Agriculture* 8 (1): 89-92.
- Srinivasakannan C 2008 Modeling drying kinetics of mustard in fluidized bed. *International Journal of Food Engineering* 4 (3): Article 6.
- Szmigielski A M, Schoenau J J, Irvine A & Schilling B 2008 Evaluating a mustard root length bioassay for predicting crop injury from soil residual flucarbazone. *Communications in Soil Science and Plant Analysis* 39 (3/4): 413-420.
- Traw M B & Feeny P 2008 Glucosinolates and trichomes track tissue value in two sympatric mustards. *Ecology* 89 (3): 763-772.
- Tripathi M K, Diwan Singh, Rao V U M & Tyagi P K 2008 Effect of planting time and in-season growth manipulation on seed yield and its attributes in Indian mustard (*Brassica juncea*). *Indian Journal of Agricultural Sciences* 78 (6): 551-553.
- Tze Soo L, Chitra T R, Tay Boon Hui, Pua Eng Chong & Yu Hao 2008 Molecular characterization of *Arabidopsis* and *Brassica juncea* Cu/Zn superoxide dismutases reveals their regulation of shoot regeneration. *Journal of Plant Growth Regulation* 27 (2): 99-109.
- Verma K, Shekhawat G S, Astha Sharma, Mehta S K & Sharma V 2008 Cadmium induced oxidative stress and changes in soluble and ionically bound cell wall peroxidase activities in roots of seedling and 3-4 leaf stage plants of *Brassica juncea* (L.) Czern. *Plant Cell Reports* 27 (7): 1261-1269.
- Verma O P, Ram Bhajan, Kumar K, Singh H K & Singh N K 2008 Varietal adaptability of Indian mustard under saline sodic soils. *Crop Research, Hisar* 35 (1/2): 88-90.
- Wijesundera C, Ceccato C, Fagan P & Shen Zhi Ping 2008 Seed roasting improves the oxidative stability of canola (*B. napus*) and mustard (*B. juncea*) seed oils. *European Journal of Lipid Science and Technology* 110 (4): 360-367.
- Wijesundera C, Ceccato C, Fagan P, Shen Zhi Ping, Burton W & Salisbury P 2008 Canola quality Indian mustard oil (*Brassica juncea*) is more stable to oxidation than conventional canola oil (*Brassica napus*). *Journal of the American Oil Chemists' Society* 85 (8): 693-699.
- Xia Fang S, Jiang Chun Yu & He Lin Yan 2008 Characterization of plant growth promoting *Bacillus edaphicus* NBT and its effect on lead uptake by Indian mustard in a lead-amended soil. *Canadian Journal of Microbiology* 54 (5): 417-422.
- Xiao Hua Q, Yang Jing Hua & Zhang Ming Fang 2008 AFLP based genetic diversity assessment among Chinese vegetable mustards (*Brassica juncea* (L.) Czern.). *Genetic Resources and Crop Evolution* 55 (5): 705-711.
- Zhen X, Wang Qiao Mei, Guo Yan Ping, Guo De Ping, Shah G A, Liu Hai Lin & Mao Aining 2008 Stem swelling and photosynthate partitioning in stem mustard are regulated by photoperiod and plant hormones. *Environmental and Experimental Botany* 62 (2): 160-167.
- Zhong Xiang F, Hu Yu Xia, Liu Dong Hong, Chen Jian Chu & Ye Xing Qian 2008 Changes of phenolic acids and antioxidant activities during potherb mustard (*Brassica juncea* Coss.) pickling. *Food Chemistry* 108 (3): 811-817.
- Nutmeg (*Myristica fragrans* Houtt.)**
- Krishnamurthy K S, Rema J, Mathew P A & Krishnamoorthy B 2008 Identification of suitable *Myristica* species/related taxa as rootstock to combat drought in nutmeg. *Indian Journal of Horticulture* 65 (2): 204-208.

- Maeda A, Tanimoto S, Abe T, Kazama S, Tanizawa H & Nomura M 2008 Chemical constituents of *Myristica fragrans* Houttuyn seed and their physiological activities. *Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan)* 128 (1): 129-133.
- Newmaster S G, Fazekas A J, Steeves R A D & Janovec J 2008 Testing candidate plant barcode regions in the Myristicaceae. *Molecular Ecology Resources* 8 (3): 480-490.
- Origano (*Origanum* spp.)**
- Aslim B & Yucel N 2008 In vitro antimicrobial activity of essential oil from endemic *Origanum minutiflorum* on ciprofloxacin resistant *Campylobacter* spp. *Food Chemistry* 107 (2): 602-606.
- Bayramoglu B, Sahin S & Sumnu G 2008 Solvent free microwave extraction of essential oil from oregano. *Journal of Food Engineering* 88 (4): 535-540.
- Bendahou M, Muselli A, Grignon Dubois M, Benyoucef M, Desjober J M, Bernardini A F & Costa J 2008 Antimicrobial activity and chemical composition of *Origanum glandulosum* Desf. essential oil and extract obtained by microwave extraction: comparison with hydrodistillation. *Food Chemistry* 106 (1): 132-139.
- Booth D Y J, Sinha A, Galasso K E & Havkin Frenkel D 2008 Discoloration of oregano post distillation left over leaf extract. *Acta Horticulturae* 778: 93-96.
- Cleff M B, Meinerz A R M, Schuch L F D, Rodrigues M R A, Meireles M C A & Mello J R B 2008 In vitro activity of the essential oil of *Origanum vulgare* against *Sporothrix schenckii*. *Arquivo Brasileiro de Medicina Veterinária e Zootecnia* 60 (2): 513-516.
- Dragoeva A P, Nanova Z D & Kalcheva V K 2008 Allelopathic activity of micropropagated *Origanum vulgare* ssp. *hirtum* and its effect on mitotic activity. *Allelopathy Journal* 22 (1): 131-142.
- Dudai N 2008 Optimization and improvement of phenolic monoterpenes production in oregano (*Origanum* spp.). *Acta Horticulturae* 778: 15-27.
- Fortunato I M & Avato P 2008 Plant development and synthesis of essential oils in micropropagated and mycorrhiza inoculated plants of *Origanum vulgare* L. ssp. *hirtum* (Link) Letswaart. *Plant Cell, Tissue and Organ Culture* 93 (2): 139-149.
- Kzl S, Ipek A, Arslan N & Khawar K M 2008 Effect of different developing stages on some agronomical characteristics and essential oil composition of oregano (*Origanum onites*). *New Zealand Journal of Crop and Horticultural Science* 36 (1): 71-76.
- Marcincak S, Cabadaj R, Popelka P & Soltysova L 2008 Antioxidative effect of oregano supplemented to broilers on oxidative stability of poultry meat. *Slovenian Veterinary Research* 45 (2): 61-66.
- Novak J, Lukas B, Bolzer K, Grausgruber Groger S & Degenhardt J 2008 Identification and characterization of simple sequence repeat markers from a glandular *Origanum vulgare* expressed sequence tag. *Molecular Ecology Resources* 8 (3): 599-601.
- Radusiene J, Ivanauskas L, Janulis V & Jakstas V 2008 Composition and variability of phenolic compounds in *Origanum vulgare* from Lithuania. *Biologija* 54 (1): 45-49.
- Skoula M, Grayer R J, Kite G C & Veitch N C 2008 Exudate flavones and flavanones in *Origanum* species and their interspecific variation. *Biochemical Systematics and Ecology* 36 (8): 646-654.
- Parsley (*Petroselinum* spp.)**
- Dreux N, Albagnac C, Sleator R D, Hill C, Carlin F, Morris C E & Nguyen C 2008 Glycine betaine improves *Listeria monocytogenes* tolerance to desiccation on parsley leaves independent of the osmolyte transporters BetL, Gbu and OpuC. *Journal of Applied Microbiology* 104 (4): 1221-1227.
- Finger F L, Alvares V de S, Silva J R da, Calestine C & Casali V W D 2008 Influence of postharvest water replacement on shelf life of parsley leaves. *Journal of Food, Agriculture and Environment* 6 (2): 116-118.

- Garajova S, Flodrova D, Ait Mohand F, Farkas V & Stratilova E 2008 Characterization of two partially purified xyloglucan endotransglycosylases from parsley (*Petroselinum crispum*) roots. *Biologia Bratislava* 63 (3): 313-319.
- Kaniszewski S & Dysko J 2008 Effect of drip irrigation and cultivation methods on the yield and quality of parsley roots. *Journal of Elementology* 13 (2): 235-244.
- Luthria D L 2008 Influence of experimental conditions on the extraction of phenolic compounds from parsley (*Petroselinum crispum*) flakes using a pressurized liquid extractor. *Food Chemistry* 107 (2): 745-752.
- Petropoulos S A, Daferera D, Polissiou M G & Passam H C 2008 The effect of water deficit stress on the growth, yield and composition of essential oils of parsley. *Scientia Horticulturae* 115 (4): 393-397.
- Peyvast G, Olfati J A, Madeni S, Forghani A & Samizadeh H 2008 Vermicompost as a soil supplement to improve growth and yield of parsley. *International Journal of Vegetable Science* 14 (1): 82-92.
- Rosa D D, Ohto C T, Basseto M A, Souza N L de & Furtado E L 2008 Brazil, a new location for powdery mildew on parsley and fenchel plants. *Plant Pathology* 57 (2): 373.
- Tian T, Liu H Y & Koike S T 2008 First report of *Apium virus* Y on cilantro, celery, and parsley in California. *Plant Disease* 92 (8): 1254.
- Zarate N A H, Vieira M do C, Rech J, Quast A, Pontim B C A & Gassi R P 2008 Yield and gross income of arracacha in monocrop and intercropping with the Japanese bunching onion and parsley. *Horticultura Brasileira* 26 (2): 287-291.
- Rosemary (*Rosmarinus officinalis* L.)**
- Arslan D & Ozcan M M 2008 Evaluation of drying methods with respect to drying kinetics, mineral content and colour characteristics of rosemary leaves. *Energy Conversion and Management* 49 (5): 1258-1264.
- Bandara M, Scharf F, Calderon J & Mirza M 2008 Impact of frost on crop growth and diterpene content of rosemary (*Rosmarinus officinalis* L.). *Acta Horticulturae* 765: 225-234.
- Colakovic S 2008 The goodness of nature on your table. *Natural antioxidants: Rosemary extracts. NutraCos* 7 (3): 32-33.
- Erkan N, Ayrancı G & Ayrancı E 2008 Antioxidant activities of rosemary (*Rosmarinus officinalis* L.) extract, blackseed (*Nigella sativa* L.) essential oil, carnosic acid, rosmarinic acid and sesamol. *Food Chemistry* 110 (1): 76-82.
- Gregori A, Pahor B & Pohleven F 2008 Use of rosemary (*Rosmarinus officinalis*) processing waste for *Pleurotus ostreatus* cultivation. *Acta Edulis Fungi* 15 (2): 15-19.
- Herrera J G A, Chacon Pardo E & Lusardo Rodriguez S 2008 Effect of two substrates and different irrigation levels in the propagation of rosemary (*Rosmarinus officinalis* L.). *Revista UDCA Actualidad y Divulgación Científica* 11 (1): 103-111.
- Isman M B, Wilson J A & Bradbury R 2008 Insecticidal activities of commercial rosemary oils (*Rosmarinus officinalis*) against larvae of *Pseudaletia unipuncta* and *Trichoplusia ni* in relation to their chemical compositions. *Pharmaceutical Biology* 46 (1/2): 82-87.
- Jones D R H, Barnes A V & Lane C R 2008 First report of the downy mildew *Peronospora lamii* on *Salvia officinalis* and *Rosmarinus officinalis* in the UK. *Plant Pathology* 57 (2): 372.
- Karabacak S & Bozkurt H 2008 The effect of *Salvia officinalis* L. and *Rosmarinus officinalis* L. on the ripening of sucuk. *Fleischwirtschaft* 88 (2): 103-108.
- Keokamnerd T, Acton J C, Han I Y & Dawson P L 2008 Effect of commercial rosemary oleoresin preparations on ground chicken thigh meat quality packaged in a high oxygen atmosphere. *Poultry Science* 87 (1): 170-179.

- Kolar M H 2008 Rosemary extract, INOLENSReg. where nature and science meet. *Acta Horticulturae* 778: 37-43.
- Orhan I, Aslan S, Kartal M, Sener B & Baser K H C 2008 Inhibitory effect of Turkish *Rosmarinus officinalis* L. on acetylcholinesterase and butyrylcholinesterase enzymes. *Food Chemistry* 108 (2): 663-668.
- Rjoob A W O El, Massadeh A M & Omari M N 2008 Evaluation of Pb, Cu, Zn, Cd, Ni and Fe levels in *Rosmarinus officinalis*, Labiateae (rosemary) medicinal plant and soils in selected zones in Jordan. *Environmental Monitoring and Assessment* 140 (1/3): 61-68.
- Sassella A, Caccia M, Tettamanti C, Conti A & Jermini M 2008 *Rosmarinus officinalis* L.: a comparison of Ticino clones. *Revue Suisse de Viticulture, Arboriculture et Horticulture* 40 (2): 117-123.
- Souza C R F, Schiavetto I A, Thomazini F C F & Oliveira W P 2008 Processing of *Rosmarinus officinalis* Linn. extract on spray and spouted bed dryers. *Brazilian Journal of Chemical Engineering* 25 (1): 59-69.
- Tounekti T, Vadel A M, Bedoui A & Khemira H 2008 NaCl stress affects growth and essential oil composition in rosemary (*Rosmarinus officinalis* L.). *Journal of Horticultural Science and Biotechnology* 83 (2): 267-273.
- Turker L 2008 Quantum chemical treatment of some compounds of rosemary extracts. *Phytopharmacology and therapeutic values II* 445-453.
- Varban D I, Duda M M, Varban R, Muntean S & Cicinas C 2008 Research regarding the influence of the nutrition space and the sub layer at *Rosmarinus officinalis* L. species. *Hop and Medicinal Plants* 16 (1/2): 171-176.
- Waszkowiak K 2008 Antioxidative activity of rosemary extract using connective tissue proteins as carriers. *International Journal of Food Science and Technology* 43 (8): 1437-1442.
- Zaouali Y & Boussaid M 2008 Isozyme markers and volatiles in Tunisian *Rosmarinus officinalis* L. (*Lamiaceae*): a comparative analysis of population structure. *Biochemical Systematics and Ecology* 36 (1): 11-21.
- Saffron (*Crocus sativus* L.)**
- Aytekin A & Acikgoz A O 2008 Hormone and microorganism treatments in the cultivation of saffron (*Crocus sativus* L.) plants. *Molecules* 13 (5): 1135-1147.
- Behdani M A, Koocheki A, Rezvani P & Al Ahmadi M J 2008 Agro-ecological zoning and potential yield of saffron in Khorasan Iran. *Journal of Biological Sciences* 8 (2): 298-305.
- Behdani M A, Mahallati M N & Koocheki A 2008 Evaluation of irrigation management of saffron at agroecosystem scale in dry region of Iran. *Asian Journal of Plant Sciences* 7 (1): 22-25.
- Eldin M S, Elkholly S, Fernandez J A, Junge H, Cheetham R, Guardiola J & Weathers P 2008 *Bacillus subtilis* FZB24Reg. affects flower quantity and quality of saffron (*Crocus sativus*). *Planta Medica* 74 (10): 1316-1320.
- Gresta F, Lombardo G M, Siracusa L & Ruberto G 2008 Effect of mother corm dimension and sowing time on stigma yield, daughter corms and qualitative aspects of saffron (*Crocus sativus* L.) in a Mediterranean environment. *Journal of the Science of Food and Agriculture* 88 (7): 1144-1150.
- Gresta F, Lombardo G M, Siracusa L & Ruberto G 2008 Saffron, an alternative crop for sustainable agricultural systems. A review. *Agronomy for Sustainable Development* 28 (1): 95-112.
- Keyhani E & Keyhani J 2008 Effect of copper and glucose on root development and corm anti-oxidative stress enzymes activity in saffron (*Crocus sativus* L.). *Acta Horticulturae* 779: 677-687.
- Mesgaran M B, Mashhadi H R, Khosravi M, Zand E & Mohammad Alizadeh H 2008 Weed community response to saffron black zira intercropping. *Weed Science* 56 (3): 400-407.

- Sanchez A M, Carmona M, Ordoudi S A, Tsimidou M Z & Alonso G L 2008 Kinetics of individual crocetin ester degradation in aqueous extracts of saffron (*Crocus sativus* L.) upon thermal treatment in the dark. *Journal of Agricultural and Food Chemistry* 56 (5): 1627-1637.
- Termentzi A & Kokkalou E 2008 LC-DAD-MS (ESI) analysis and antioxidant capacity of *Crocus sativus* petal extracts. *Planta Medica* 74 (5): 573-581.
- Yang C, Zhang Hao, Tian Xi, Zhao Can, Cai Le, Liu Ying, Jia Lin, Yin Hong Xiang & Chen Chu 2008 Antioxidant potential of crocins and ethanol extracts of *Gardenia jasminoides* ELLIS and *Crocus sativus* L.: a relationship investigation between antioxidant activity and crocin contents. *Food Chemistry* 109 (3): 484-492.
- Zohan A A, Kamgar Haghghi A A & Sepaskhah A R 2008 Crop and pan coefficients for saffron in a semi-arid region of Iran. *Journal of Arid Environments* 72 (3): 270-278.
- Tamarind (*Tamarindus indica* L.)**
- Abukakar M G, Ukwuani A N & Shehu R A 2008 Phytochemical screening and antibacterial activity of *Tamarindus indica* pulp extract. *Asian Journal of Biochemistry* 3 (2): 134-138.
- Bhosale D M, Purane B B & Latake S B 2008 Effect of VA-mycorrhizal inoculation on growth of tamarind seedlings. *Agricultural Science Digest* 28 (1): 42-44.
- Bhosale D M, Purane B B & Latake S B 2008 Effect of VA-mycorrhizal inoculation on growth parameters of tamarind seedlings. *Journal of Maharashtra Agricultural Universities* 33 (2): 204-206.
- Jarimopas B, Rachanukroa D, Singh S P & Sothornvit R 2008 Post-harvest damage and performance comparison of sweet tamarind packaging. *Journal of Food Engineering* 88 (2): 193-201.
- Kumar C S & Sila Bhattacharya 2008 Tamarind seed: properties, processing and utilization. *Critical Reviews in Food Science and Nutrition* 48 (1): 1-20.
- Kumudha P 2008 Studies on the effect of biofertilizers on the germination of *Tamarindus indica* Linn. *Biochemical and Cellular Archives* 8 (1): 11-14.
- Marcus S E, Verhertbruggen Y, Herve C, Ordaz Ortiz J J, Farkas V, Pedersen H L, Willats W G T Z & Knox J P 2008 Pectic homogalacturonan masks abundant sets of xyloglucan epitopes in plant cell walls. *BMC Plant Biology* 8 (60): (22 May 2008).
- Rao D H & Gowda L R 2008 Abundant class III acidic chitinase homologue in tamarind (*Tamarindus indica*) seed serves as the major storage protein. *Journal of Agricultural and Food Chemistry* 56 (6): 2175-2182.
- Singh S, Singh A K & Joshi H K 2008 Genetic variability for floral traits and yield attributes in tamarind. *Indian Journal of Horticulture* 65 (3): 328-331.
- Ukwuani A N, Abukakar M G, Shehu R A & Hassan L G 2008 Antiobesity effects of pulp extract *Tamarindus indica* in albino rat. *Asian Journal of Biochemistry* 3 (4): 221-227.
- Yang Shi Yu, He Cheng Zhong, Zhao Yi He, Liu Juan & Wang Bing Yi 2008 Analysis of the genetic diversity of sweet Thai tamarind introduced from Thailand based on RAPD markers. *Forest Research, Beijing* 21 (1): 60-63.
- Yan Xian Y, Liao Cheng Fei, Sha Yu Cang, Ji Zhong Hua, Fang Hai Dong, Pan Zhi Xian & Feng Guang Heng 2008 High efficiency complementary technology for double chain eco-agricultural model of *Tamarindus indica* forage grass goat on dry slope lands of Yuanmou Dry Hot Valley. *Zhongguo Shengtai Nongye Xuebao/Chinese Journal of Eco-Agriculture* 16 (2): 464-468.

**Thyme (*Thymus vulgaris* L.)**

- Al Bayati F A 2008 Synergistic antibacterial activity between *Thymus vulgaris* and *Pimpinella anisum* essential oils and methanol extracts. *Journal of Ethnopharmacology* 116 (3): 403-406.
- Azizi M, Mosavi A & Nazdar T 2008 Extraction methods affect allelopathic activity of peppermint and thyme extracts on weed seed germination. *Acta Horticulturae* 767: 97-104.
- Dawidowicz A L, Rado E, Wianowska D, Mardarowicz M & Gawdzik J 2008 Application of PLE for the determination of essential oil components from *Thymus vulgaris* L. *Talanta* 76 (4): 878-884.
- El Azim M W A & El Gawad A M A 2008 Effect of treatment with tryptophan and yeast on soil microbial activities, growth and productivity of *Thymus vulgaris* L. under middle Sinai conditions. *Annals of Agricultural Science Cairo* 53 (1): 105-116.
- Golmakani M T & Rezaei K 2008 Comparison of microwave assisted hydrodistillation with the traditional hydrodistillation method in the extraction of essential oils from *Thymus vulgaris* L. *Food Chemistry* 109 (4): 925-930.
- Gorur G, Abdulla M I & Isk M 2008 Insecticidal activity of the *Thymus*, *Veronica* and *Agrimonia*'s essential oils against the cabbage aphid, *Brevicoryne brassicae*. *Acta Phytopathologica et Entomologica Hungarica* 43 (1): 201-208.
- Gowda M C & Prasad B L S 2008 Effect of growth regulators and methods of application on rooting of Thyme (*Thymus vulgaris* L.) cuttings. *Mysore Journal of Agricultural Sciences* 42 (1): 9-14.
- Li M, Yao Lei, Wu Ya Ni & Zhang Yan Ling 2008 Comparison on botanical characters and composition of essential oil of two varieties of thyme. *Journal of Shanghai Jiaotong University Agricultural Science* 26 (2): 150-152, 160.
- Ling W & Su Han Ying 2008 Shoot cutting propagation of four species of *Thymus* genus in Heilongjiang Province. *Journal of Northeast Forestry University* 36 (1): 12-13, 30.
- Omidbaigi R, Kazemi S & Daneshfar E 2008 Harvest time effecting on the essential oil content and compositions of *Thymus vulgaris*. *Journal of Essential Oil Bearing Plants* 11 (2): 162-167.

**Turmeric (*Curcuma* spp.)**

- Agrawal A, Mahalakshmi C & Tyagi R K 2008 Use of commercial sugar, isabgol and ordinary water in culture medium for conservation of *Curcuma longa* L. *Journal of Plant Biochemistry and Biotechnology* 17 (1): 85-89.
- Bin Qiang T, Wang Zhi Ping, Zhao Ying Mei, Wang De Gui, Li Yong Gang, Ma Li, Li Xiao Ming, Li Jing, Xiao Nan, Tian Jun Qiang & Rodriguez R 2008 Effects of curcumin on bladder cancer cells and development of urothelial tumors in a rat bladder carcinogenesis model. *Cancer Letters* 264 (2): 299-308.
- Bose P, Sanyal D & Majumdar K 2008 Balancing sulfur and magnesium nutrition for turmeric and carrot grown on red lateritic soil. *Better Crops with Plant Food* 92 (1): 23-25.
- Cousins M M & Adelberg J W 2008 Short-term and long-term time course studies of turmeric (*Curcuma longa* L.) microrhizome development in vitro. *Plant Cell, Tissue and Organ Culture* 93 (3): 283-293.
- Dhatt A S, Sadhna Arora, Neena Chawla, Sidhu A S & Naveen Garg 2008 Evaluation of elite turmeric (*Curcuma longa*) clones for growth, yield and quality attributes. *Indian Journal of Agricultural Sciences* 78 (7): 589-591.
- Dhatt A S, Sidhu A S & Naveen Garg 2008 Effect of planting material on plant growth, yield and rhizome size of turmeric. *Indian Journal of Horticulture* 65 (2): 193-195.
- Gowda N K S, Ledoux D R, Rottinghaus G E, Bermudez A J & Chen Y C 2008 Efficacy of turmeric (*Curcuma longa*), containing a known level of curcumin, and a hydrated sodium calcium aluminosilicate to ameliorate the adverse effects of aflatoxin in broiler chicks. *Poultry*

*Science* 87 (6): 1125-1130.

- Gutowicz M, Chojczyk M, Pyrzanowska J, Widz Tyszkiewicz E & Baranczyk Kuzma A 2008 Effect of curcumin on antioxidant and detoxification mechanisms in the livers of aging rats. *Medycyna Weterynaryjna* 64 (7): 955-957.
- Hegge A B, Schuller R B, Kristensen S & Tonnesen H H 2008 In vitro release of curcumin from vehicles containing alginate and cyclodextrin. Studies of curcumin and curcuminoides. *XXXIII. Pharmazie* 63 (8): 585-592.
- Hossain M A, Yamawaki K, Akamine H & Ishimine Y 2008 Weed infestation in turmeric in Okinawa, Japan. *Weed Technology* 22 (1): 56-62.
- Hseu S H, Sung C J, Gao R L, Chen B S & Lin C Y 2008 Occurrence of leaf blight of turmeric caused by *Acidovorax avenae* subsp. *avenae* in Taiwan. *Plant Pathology Bulletin* 17 (1): 43-52.
- Jirali D I, Hiremath S M, Chetti M B & Patil S A 2008 Biophysical, biochemical, parameters, yield and quality attributes affected by plant growth regulators in turmeric. *Plant Archives* 8 (1): 275-278.
- Kandiannan K & Chandaragiri K K 2008 Monetary and non-monetary inputs on turmeric growth, nutrient uptake, yield and economics under irrigated condition. *Indian Journal of Horticulture* 65 (2): 209-213.
- Khaunkuab N, Suwunnalert S, Chotiphan R, Namphoech L, Sinphai J & Chaiburi J 2008 Study on intercropping system between turmeric (*Curcuma longa* Linn.) in para rubber and fruit plantation on upper southern area. *Proceedings of the 46<sup>th</sup> Kasetsart University Annual Conference*, Kasetsart, 29 January-1 February, 2008 Subject: Plants, 373-379.
- Kochhar S & Kochhar V K 2008 Identification and characterization of a super stable Cu-Zn SOD from leaves of turmeric (*Curcuma longa* L.). *Planta* 228 (2): 307-318.
- Li Yao W, Zhang Mian, Zhang Chao Feng & Wang Zheng Tao 2008 Alkaloid and sesquiterpenes from the root tuber of *Curcuma longa*. *Acta Pharmaceutica Sinica* 43 (7): 724-727.
- Li Yao W, Zhang Mian, Zhang Chao Feng & Wang Zheng Tao 2008 Diaryl derivatives from the root tuber of *Curcuma longa*. *Biochemical Systematics and Ecology* 36 (5/6): 476-480.
- Mandal V, Yogesh Mohan & Siva Hemalatha 2008 Microwave assisted extraction of curcumin by sample solvent dual heating mechanism using Taguchi L9 orthogonal design. *Journal of Pharmaceutical and Biomedical Analysis* 46 (2): 322-327.
- Moharana R L, Chatterjee R & Basu A K 2008 Characterization of mango ginger (*Curcuma amada* Roxb.) collections through morphological and rhizome characters. *Environment and Ecology* 26 (2): 650-653.
- Nawalagatti C M, Surendra P, Chetti M B & Hiremath S M 2008 Influence of sulphur on morphophysiological traits, yield and quality attributes in turmeric. *International Journal of Plant Sciences Muzaffarnagar* 3 (1): 78-81.
- Niranjan A & Dhan Prakash 2008 Chemical constituents and biological activities of turmeric (*Curcuma longa* L.) - a review. *Journal of Food Science and Technology Mysore* 45 (2): 109-116.
- Pal A, Mita Ghosh & Pal A K 2008 Role of turmeric in ultraviolet induced genotoxicity in a bacterial system. *Natural Product Communications* 3 (2): 227-228.
- Rui W, Xu Ying, Wu Hong Li, Li Ying Bo, Li Yu Hua, Guo Jia Bin & Li Xue Jun 2008 The antidepressant effects of curcumin in the forced swimming test involve 5-HT 1 and 5-HT2 receptors. *European Journal of Pharmacology* 578 (1): 43-50.
- Shishu I P K 2008 Antimutagenicity of curcumin and related compounds against genotoxic heterocyclic amines from cooked food: the structural requirement. *Food Chemistry* 111 (3): 573-579.

- Shokouhi B, Norizadeh E, Germi K G & Navid S L 2008 In vitro comparison of the antimicrobial effect of turmeric and cinnamon water and ether extracts on the growth rate of *Helicobacter pylori*. Research Journal of Biological Sciences 3 (4): 408-412.
- Skornickova J L, Sida O, Wijesundara S & Marhold K 2008 On the identity of turmeric: the typification of *Curcuma longa* L. (Zingiberaceae). Botanical Journal of the Linnean Society 157 (1): 37-46.
- Ushamailini C, Nakkeeran S & Marimuthu T 2008 Development of biomanure for the management of turmeric rhizome rot. Archives of Phytopathology and Plant Protection 41 (5): 365-376.
- Ushamalini C, Nakkeeran P & Marimuthu T 2008 Induction of plant defence enzymes in turmeric plants by *Trichoderma viride*. Archives of Phytopathology and Plant Protection 41 (2): 79-93.
- Velmurugan M, Chezhiyan N & Jawaharlal M 2008 Correlation and path analysis in turmeric cv. BSR-2. International Journal of Agricultural Sciences 4 (1): 103-106.
- Velmurugan M, Chezhiyan N & Jawaharlal M 2008 Influence of organic manures and inorganic fertilizers on cured rhizome yield and quality of turmeric (*Curcuma longa* L.) cv. BSR-2. International Journal of Agricultural Sciences 4 (1): 142-145.
- Wiwatpinyo J & Detpiratmongkol S 2008 Effect of different irrigation regimes on turmeric growth. Proceedings of the 46<sup>th</sup> Kasetsart University Annual Conference, Kasetsart, 29 January-1 February, 2008 Subject: Plants, 473-480.
- Vanilla (*Vanilla planifolia* Andrews)**
- Ali L, Perfetti G & Diachenko G 2008 Rapid method for the determination of coumarin, vanillin, and ethyl vanillin in vanilla extract by reversed-phase liquid chromatography with ultraviolet detection. Journal of AOAC International 91 (2): 383-386.
- Bory S, Grisoni M, Duval M F & Besse P 2008 Biodiversity and preservation of vanilla: present state of knowledge. Genetic Resources and Crop Evolution 55 (4): 551-571.
- Bory S, Silva D da, Risterucci A M, Grisoni M, Besse P & Duval M F 2008 Development of microsatellite markers in cultivated vanilla: polymorphism and transferability to other vanilla species. Scientia Horticulturæ 115 (4): 420-425.
- Buccellato F 2008 There's nothing 'plain' about vanilla: the misconceptions and popularity surrounding vanilla. Perfumer and Flavorist 33 (3): 36-38.
- Janarthanam B & Seshadri S 2008 Plantlet regeneration from leaf derived callus of *Vanilla planifolia* Andr. In Vitro Cellular and Developmental Biology Plant 44 (2): 84-89.
- Kahane R, Besse P, Grisoni M, Bellec F le & Odoux E 2008 Bourbon vanilla: natural flavour with a future. Chronica Horticulturae 48 (2): 23-29.
- Marquez O, Waliszewski K N, Oliart R M & Pardio V T 2008 Purification and characterization of cell wall bound peroxidase from vanilla bean. LWT Food Science and Technology 41 (8): 1372-1379.
- Minoo D, Jayakumar V N, Veena S S, Vimala J, Basha A, Saji K V, Babu K N & Peter K V 2008 Genetic variations and interrelationships in *Vanilla planifolia* and few related species as expressed by RAPD polymorphism. Genetic Resources and Crop Evolution 55 (3): 459-470.
- Minoo D, Pillai G S, Babu K N & Peter K V 2008 Isolation and fusion of protoplasts in *Vanilla* species. Current Science 94 (1): 115-120.
- Nelson E A & Sage R F 2008 Functional constraints of CAM leaf anatomy: tight cell packing associated with increased CAM function across a gradient of CAM expression. Journal of Experimental Botany 59 (7): 1841-1850.
- Vanitha K, Karuppuchamy P, Sivasubramaniam P 2008 Comparative effectiveness of bait trap against the giant African snail, *Achatina fulica* attacking vanilla. Annals of Plant Protection Sciences 16 (1): 221-222.