

Spices Bibliography - 1994 (Part I)

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Spices - General

- Adegoke GO & Shura BJ 1994 Nutritional profile and antimicrobial spectrum of the spice *Aframomum danielli* Schum. Plant Foods For Human Nutrition 45(2) : 175-183.
- Alcaraz Melendez L, Real Casio S & Bashan Y 1994 Domestication of micropropagated plants of the spice damiana (*Turnera diffusa*). Plant Cell Reports 13(12) : 679-683.
- Beekstromsternberg SM & Duke JA 1994 Potential for synergistic action of phytochemicals in spices. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.201-225). Elsevier Science Publishers, New York.
- Calderon T, Rendell HM, Beneitez P, Townsend PD, Millan A & Wood R 1994 Thermoluminescence spectra of inorganic dust from irradiated herbs and spices. Journal of Food Science 59(5) : 1070-1072.
- Finoli C & Ferrai M 1994 Aflatoxins in spice and herbs. Industrie Alimentari 33(328) : 732-737.
- Giese J 1994 Spices and seasoning blends - a taste for all seasons. Food Technology 48(4) : 88-99.
- Ito H, Chen H & Bunnak J 1994 Aflatoxin production by microorganisms of the *Aspergillus flavus* group in spices and the effect of irradiation. Journal of the Science of Food and Agriculture 65(2) : 141-143.
- Kneifel W & Berger E 1994 Microbiological criteria of random samples of spices and herbs retailed in the Austrian market. Journal of Food Protection 57(10) : 893-902.
- Marion MJP, Audrin A, Maignial L & Brevard 1994 Spices and their extracts - utilization, selection, quality control and new developments. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.71-97). Elsevier Science Publishers, New York.
- Mbofung CMF, Gee JM & Knight DJ 1994 Fatty acid profile of some Cameroonian spices. Journal of the Science of Food and Agriculture 66(2) : 213-217.

Spices bibliography

- Mccaleb RS 1994 Food ingredient safety evaluation. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.131-145). Elsevier Science Publishers, New York.
- Meena MR & Sethi V 1994 Antimicrobial activity of essential oils from spices. Journal of Food Science and Technology (Mysore) 31(1) : 68-71.
- Moyler DA 1994. Spices - recent advances. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.1-71). Elsevier Science Publishers, New York.
- Nakatani N 1994 Antioxidative and antimicrobial constituents of herbs and spices. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.251-273). Elsevier Science Publishers, New York.
- Patkar KL, Usha CM, Shetty HS, Paster N & Lacey J 1994 Effects of spice oil treatment of rice on moulding and mycotoxin contamination. Crop Protection 13(7) : 519-525.
- Pradeep KU & Geervani P 1994 Influence of spice on protein utilisation of winged bean and horsegram. Plant Foods for Human Nutrition 46(3) : 187-195.
- Schafer E 1994 Cooked, cured products with a covering of spices - a safe and simple method of manufacture. Fleischwirtschaft 74(9) : 892-895.
- Meireles MAA & Nikolov ZL 1994 Extraction and fractionation of essential oils with liquid carbon dioxide. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.171-201). Elsevier Science Publishers, New York.
- Tateo F, Ferrillo A & Orlandi A 1994 Analysis of natural flavourings - problems and actual methods. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.97-131). Elsevier Science Publishers, New York.
- Tucker AO, Maciarello MJ, Burbage PW & Sturtz G 1994 Spicebush (*Lindera benzoin* (L.) Blume var. *benzoin*, Lauraceae): a tea, spice and medicine. Economic Botany 48(3) : 333-337.
- Wetherilt H & Pala M 1994 Herbs and spices indigenous to Turkey. In: Charalambous G (Ed.) Spices, Herbs and Edible Fungi (pp.285-309). Elsevier Science Publishers, New York.
- Woodbury JE 1994 Spices and other condiments. Journal of AOAC International 77(1) : 134.
- Basil (*Ocimum basilicum*)**
- Elmer WH, Wick RL & Hariland P 1994 Vegetative compatibility among *Fusarium oxysporum* f.sp. *basilicum* isolates recovered from basil seed and infected plants. Plant Disease 78(8) : 789-791.
- Lange DD & Cameron AC 1994 Post harvest shelf life of sweet basil. Hort Science 29(2) : 102-104.
- Meade T & Hare JD 1994 Effect of genetic and environmental host plant variation on the susceptibility of two noctuids to *Bacillus thuringiensis*. Entomologia Experimentalis et Applicata 70(2) : 165-178.

- Ryding O 1994 Notes on the sweet basil and its wild relatives (Lamiaceae). *Economic Botany* 48(1) : 65-68.
- Shaath NA & Azzo NR 1994 Egyptian basil. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.427-439). Elsevier Science Publishers, New York.

Black pepper (*Piper nigrum*) and related species

- Gopalakrishnan M, Nirmala Menon, Padmakumari K P, Jayalakshmy A & Narayanan CS 1994. GC analysis of odor profiles of four new Indian genotypes of *Piper nigrum* L. *Journal of Essential Oil Research* 5(3) : 247-253.
- Lin RIS 1994 Pharmacological properties and medicinal use of pepper (*Piper nigrum* L.). In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.469-483). Elsevier Science Publishers, New York.
- Yasumoto M, Okazaki T, Inakuna T & Kobayashi T 1994 Extraction of piperine and volatile compounds from black pepper with liquid carbon dioxide. *Journal of Japanese Society for Food Science and Technology* 41(2) : 102-108.

Caraway (*Carum carvi*)

- Kallio H, Kerrola K & Athonmaki P 1994 Carvone and limonene in caraway fruits (*Carum carvi* L.) analyzed by supercritical carbon dioxide extraction gas chromatography. *Journal of Agricultural and Food Chemistry* 42(11) : 2478-2486.

Cardamom (*Elettaria cardamomum*)

- Ganapathi TR, Bapat VA & Rao PS 1994 *In vitro* development of encapsulated shoot tips of cardamom. *Biotechnology Techniques* 8(4) : 239-214.
- Gopalakrishnan N 1994 Studies on the storage quality of CO₂ extracted cardamom and clove bud oils. *Journal of Agricultural and Food Chemistry* 42(3) : 796-799.
- Sharma R, Sharma E & Purohit AN 1994 Dry matter production and nutrient cycling in agroforestry system of cardamom grown under *Alnus* and natural forest. *Agroforestry Systems* 27(3) : 293.
- Thomas L, Mallesha BC & Bagyaraj DJ 1994 Biological control of damping off of cardamom by the VA mycorrhizal fungus *Glomus fasciculatum*. *Microbiological Research* 149(4) : 413-419.

Celery (*Apium graveolens*)

- Bewick TA, Shilling DG, Dusky JA & Williams D 1994 Effect of celery (*Apium graveolens*) root residue on growth of various crops and weeds. *Weed Technology* 8(3) : 625-630.

- Davis MGK & Grafius E 1994 First record of *Aphis helianthi* (Homoptera, Aphididae) as a pest of celery. *Great Lakes Entomologist* 27(2) : 69-79.
- Diawara MM, Trumble JT, Quiros CF, White KK & Adams C 1994 Plant age and seasonal variations in genotypic resistance of celery to beat armyworm. *Journal of Economic Entomology* 87(2) : 514-524.
- Donovan A, Collin HA, Isaac S & Mortimer AM 1994 Analysis of potential sources of variation in tissue culture derived celery plants. *Annals of Applied Biology* 124(2) : 383-399.
- Doust LL, Doust JL & Biernacki M 1994 American wild celery, *Vallisneria spiralis* as a biomonitor of organic contaminants in aquatic ecosystems. *Journal of Great Lakes Research* 20(2) : 333-355.
- Dyas L & Goad LJ 1994 The occurrence of free and esterified sterols in the oil bodies isolated from maize seed scutella and a celery cell suspension culture. *Plant Physiology and Biochemistry* 32(6) : 799-807.
- Everard JD, Gucci R, Kann SC, Flore JA & Loescher WH 1994 Gas exchange and carbon partitioning in the leaves of celery (*Apium graveolens* L.) at various levels of root zone salinity. *Plant Physiology* 106(1) : 281.
- Gurgul E & Herman B 1994 Influence of nitrogen, phosphorus and potassium on chemical composition and activity of some enzymes in celery during its growth. *Biologia Plantarum* 36(2) : 261-267.
- Heaton JB & Dullahide SR 1994 Control of celery leaf curl disease caused by *Colletotrichum acutatum*. *Australasian Plant Pathology* 22(4) : 152-155.
- Koike ST, Little EL, Bishop AL & Gilbertson RL 1994. New celery disease appears in California. *California Agriculture* 48(2) : 32-34.
- Lacy ML 1994 Influence of wetness periods in infection of celery by *Septoria apiicola* and use in timing spray for control. *Plant Disease* 78(10) : 975-979.
- Meade T, Hare JD, Midland SL, Millar JG & Sims JJ 1994 Phthalide based host plant resistance to *Spodoptera exigua* and *Trichoplusia ni* in *Apium graveolens*. *Journal of Chemical Ecology* 20(3) : 709 - 726.
- Okamoto A, Sakurazawa H & Arikawa K 1994 Regeneration of plantlets from celery callus using a fermenter. *Journal of Fermentation and Bioengineering* 77(2) : 208-212.
- Pernezny K, Datnoff L & Sommerfeld ML 1994 Brown stem of celery caused by *Pseudomonas cichorii*. *Plant Disease* 78(9) : 917-919.
- Pohronezny K, Sommerfeld ML & Raid RN 1994 Streptomycin resistance and copper tolerance among strains of *Pseudomonas cichorii* in celery seed beds. *Plant Disease* 78(2) : 150-153.

- Ramin AA & Atherton JG 1994 Manipulation of bolting and flowering in celery (*Apium graveolens* L. var. Duice) 3. Effects of photoperiod and irradiance. *Journal of Horticultural Science* 69(5) : 861-869.
- Roelofse EW, Atkey PT, Hand DW & Hall RL 1994 A study of cryo-scanning electron microscopy of the inhibition and early development of an inflorescence in glasshouse celery grown under inductive conditions. *Annals of Applied Biology* 125(3) : 553-567.
- Stoop JMH & Pharr DM 1994 Growth substrate and nutrient salt environment after mannitol - to hexose partitioning in celery petioles. *Journal of American Society for Horticultural Science* 119(2) : 237-243.
- Stoop JMH & Pharr DM 1994 Mannitol metabolism in celery stressed by excess macronutrients. *Plant Physiology* 106(2) : 503-513.
- Vernin G & Parkanyi C 1994 Studies of plants in the Umbelliferae family. 2. GCMS analysis of celery seed essential oils. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.329-347). Elsevier Science Publishers, New York.
- Vulsteke G, Vanoost N & Seynnaeve M 1994 New developments in pale-green celery. Mededeling - Provinciaal Onderzoeken Voorlichting - Seentrum Voor Landen Tuinbouw, Beitem - Roeselare No.343, 4pp.
- Vulsteke G, Vanoost N & Seynnaeve M 1994 Evaluation of new strains of celeriae. Mededeling - Provincial Onderzoeken Voorlichting Seentrum Voor Landen Tuinbouw, Beitem - Roeselare No.344, 4pp.
- Wilkinson SC, Powls R & Goad LJ 1994 The effect of excess exogenous mevalonic acid on sterol and sterol ester biosynthesis in celery *Apium graveolens* cell suspension cultures. *Phytochemistry* 37(4) : 1031-1037.
- Wright KM, Prior DAM & Oparka KJ 1994 Observations on the accumulation of five xenobiotic chemicals in phloem versus parenchyma tissues of celery. *Pesticide Science* 42(1) : 17-25.

Chillies (*Capsicum* spp.)

- Aloni B, Karni L, Zaidman Z, Riov Y, Huberman M & Goren R 1994 The susceptibility of pepper (*Capsicum annuum*) to heat induced flower abscission - possible involvement of ethylene. *Journal of Horticultural Science* 69(5) : 923-929.
- Aloni B, Karni L, Ryiski I & Zaidman Z 1994 The effect of nitrogen fertilization and shading on the incidence of colour spots in sweet pepper (*Capsicum annuum*) fruit. *Journal of Horticultural Science* 69(4) : 767.
- Alvino A, Centritto M & DeLorenzi F 1994 Photosynthesis response of sunlit and shade pepper leaves at different positions in the canopy under two water regimes. *Australian Journal of Plant Physiology* 21(3) : 377.

- Anderson JA 1994 Production of methanol from heat-stressed pepper and corn leaf disks. *Journal of American Society for Horticultural Science* 119(3) : 468-472.
- Bernal MA, Calderon AA, Pedreno MA, Ferrer MA, Decaceres FM & Barcelo AR 1994 Purification of a basic peroxidase isoenzyme from capsicum fruits and the immunoinhibition of its capsicin oxidation capacity by antibodies raised against horse radish peroxidase. *Zeitschrift fur Lebensmittel Untersuchung Und - Forschung* 199(3) : 240-243.
- Bernal MA & Decaceres FM 1994 Histochemical localization of peroxidase in capsicum fruits. *Food Science and Technology* 27(2) : 197.
- Bernal MA, Diaz J, Barcelo AR & Decaceres FM 1994 Peroxidase isoenzyme gradients in *Capsicum annuum* leaves and their expression in vegetative and flowering plants. *Agronomic* 14(3) : 205.
- Boiteux LS & deAvila AC 1994 Inheritance of a resistance specific to tomato spotted wilt tospovirus in *Capsicum chinense* 'Pl 159236'. *Euphytica* 75(1-2) : 139-143.
- Bosland PW 1994 Chillies - history, cultivation and uses. In: Charalambous (Ed.) *Spices, Herbs and Edible Fungi* (pp.347-367). Elsevier Science Publishers, New York.
- Bouvier F, Hugueney P D, Harlingue A, Kuntz M & Camara B 1994 Xanthophyll biosynthesis in chromoplasts: isolation and molecular cloning of an enzyme catalyzing the conversion of 5, 6 - epoxy carotenoid into ketocarotenoid. *Plant Journal* 6(1) : 45-54.
- Buonaurio R & Seortichini M 1994 *Pseudomonas syringae* pv. *syringae* on pepper seedlings in Italy. *Plant Pathology* 43(1) : 216-219.
- Buonaurio R, Stravato VM & Seortichini M 1994 Characterisation of *Xanthomonas campestris* pv. *vesicatoria* from *Capsicum annuum* L. in Italy. *Plant Disease* 78(3) : 296-299.
- Candela ME, Munoz R, Alcazar MD & Espin A 1994 Isoperoxidase involvement in the resistance of *Capsicum annuum* to infection by cucumber mosaic virus. *Journal of Plant Physiology* 143(2) : 213-218.
- Carvajal LM, Martinez Sanchez F & Alcaraz CF 1994 Effect of Ti(IV) on some indicators of physiological activity in *Capsicum annuum* L. *Journal of Horticultural Science* 69(3) : 427-433.
- Christopher T & Rajam MV 1994 *In vitro* clonal propagation of *Capsicum* spp. *Plant Cell, Tissue and Organ Culture* 38(1) : 25-31.
- DeDonato M & Chivazza P 1994 Rapid hydrogen peroxide release in cell suspensions of *Capsicum* spp. elicited by fungal preparations. *Applied Biochemistry and Biotechnology* 48(1) : 45.

- Fletcher JT 1994 *Fusarium* stem and fruit rot of sweet peppers in the glass house. *Plant Pathology* 43(1) : 225-227.
- Fujinari EM 1994 HPLC - CLND application to quantitate nitrogen containing capsaicin compounds in red hot peppers. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.367-381). Elsevier Science Publishers, New York.
- Harris AR, Schisler DA, Neate SM & Ryder MH 1994 Suppression of damping - off caused by *Rhizoctonia solani* and growth promotion in bedding plants by binucleate *Rhizoctonia* spp. *Soil Biology and Biochemistry* 26(2) : 263-268.
- Hatt HA, McMahon MJ, Cinvill DE & Decoteau DR 1994 Influence of spectral qualities and resulting soil temperatures of mulch films on bell pepper growth and production. *Plasticulture* No.101, 13-22.
- Holden PR & Yeoman MM 1994 Variation in the growth and biosynthetic activity of cloned cell cultures of *Capsicum frutescens* and their response to an exogenously supplied elicitor. *Plant Cell, Tissue and Organ Culture* 38(1) : 31-39.
- Kim HK, Song Y & Yam KL 1994 Water sorption characteristics of dried red peppers. *Indian Journal of Food Science and Technology* 29(3) : 339-347.
- Kirby GW & Walker GT 1994 Configurational purity of capsaicin olefin. *Phytochemistry* 36(1) : 185-189.
- Lanini WT & Lestrangle M 1994 Weed control economics in bell pepper (*Capsicum annuum*) with napropamide and hand weeding. *Weed Technology* 8(3) : 530-536.
- Lanteri S, Saracco F, Kraak HL & Bino RJ 1994 The effect of priming on nuclear replication activity and germination of pepper and tomato. *Seed Science Research* 4(2) : 81-87.
- Leonardi C 1994 Response of greenhouse peppers to minimum temperatures. *Culture Protette* 23(5) : 75-80.
- Lianz LZ 1994 A method for comprehensive evaluation of capsicum seed with special reference to seed-borne fungi. *Seed Science and Technology* 21(3) : 495-505.
- Lownds NK, Banaras M & Bosland PW 1994 Postharvest water loss and storage quality of 9 pepper (*Capsicum*) cultivars. *Hort Science* 29(3) : 191-194.
- Luning PA, de Vries RV, Yuksel D, Ebbenhorstseller T, Wichers HJ & Roozen JP 1994 Combined instrumental and sensory evaluation of flavour of fresh bell peppers (*Capsicum annuum*) harvested at three maturation stages. *Journal of Agricultural and Food Chemistry* 42(12) : 2855-2862.

- Manoharan LM, Pai KU & Rudramuniyappa CK 1994 A 20-KD mitochondrial protein is associated with cytoplasmic male sterility (CMS) in *Capsicum annuum* L. *Current Science* 65(8) : 629-633.
- Masood A, Dogra JVV & Jha AK 1994 The influence of colouring and pungent agents of red chilli on growth and aflatoxin production by *Aspergillus flavus*. *Letters in Applied Microbiology* 18(4) : 184-187.
- Miguez Mosquera MI, Jaren Galan M & Garrido Fernandez J 1994 Influence of the industrial drying process of pepper fruits for paprika on the carotenoid content. *Journal of Agricultural and Food Chemistry* 42(5) : 1190-1194.
- Miguez Mosquera MI & Hornero Mendez D 1994 Comparative study of the effect of paprika processing on the carotenoids in peppers (*Capsicum annuum*) of the Bola and Agridue varieties. *Journal of Agricultural and Food Chemistry* 42(7) : 1555-1561.
- Miguez Mosquera MI & Hornero Mendez D 1994 Changes in carotenoid esterification during the fruit ripening of *Capsicum annuum* cv.Bola. *Journal of Agricultural and Food Chemistry* 42(3) : 640-645.
- Miguez Mosquera MI & Hornero Mendez D 1994 Formation and transformation of pigments during the fruit ripening of *Capsicum annuum* Bola and Agridulce. *Journal of Agricultural and Food Chemistry* 42(1) : 38-45.
- Moya SY, Mejia LA, Demejia EG & Vazquez FA 1994 Effect of ripening and drying on pro-Vitamin A carotenoids content in pepper (in Spanish). *Archives Latinoamericanas de Nutricion* 44(1) : 41-47.
- Murphy JF & Kyle MM 1994 Isolation and viral infection of capsicum leaf protoplasts. *Plant Cell Reports* 13(7) : 397-401.
- Narayan TA, Thimmegowda S, Bandi AG & Devakumar N 1994 Economic feasibility of adopting drip irrigation in sweet pepper (*Capsicum frutescens* var. *grossum*). *Indian Journal of Agronomy* 39(1) : 150-152.
- Olsen JK & Lyons DJ 1994 Petiole sap nitrate is better than total nitrogen in dried leaf for indicating nitrogen status and yield responsiveness of capsicum in subtropical Australia. *Australian Journal of Experimental Agriculture* 34(5) : 835-845.
- Orengosantiago E & Liu LC 1994 Weed control trials in sweet cherry peppers in 1991 and 1992. *Journal of Agriculture of the University of Puerto Rico* 78(1-2) : 45-51.
- Sakamoto S, Goda Y, Maitani T, Yamada T, Nunomura O & Ishikawa K 1994 High performance liquid chromatographic analysis of capsaicinoids and their phenolic intermediates in *Capsicum annuum* to characterize their biosynthetic status. *Bioscience Biotechnology and Biochemistry* 58(6) : 1141-1143.

- Santos - Diaz MS & Ochoa - Alezo N 1994 Effect of water stress on growth, osmotic potential and solute accumulation in cell cultures from chilli pepper (a mesophyte) and cress bush (a xerophyte). *Plant Science* (Limerick) 96(1-2) : 21-29.
- Sehon MK, Compton MP, Bell E & Burns I 1994 Nitrogen concentrations affect pepper yield and achate nitrate-nitrogen from vockwool culture. *Hort Science* 29(10) : 1139-1143.
- Sreenivasa MN 1994 Response of chilli to vesicular arbuscular mycorrhiza at different phosphorous levels in the field. *Indian Journal of Agricultural Sciences* 64(1) : 47-50.
- Soto MJ, Arteaga ML, Fereres A & Ponz F 1994 Limited degree of serological variability in pepper strains of potato virus Y as revealed by analysis with monoclonal antibodies. *Annals of Applied Biology* 124(1) : 37-43.
- Teansarabia G, Maiti RK, Almanza Enrique & Hernandezpinero JL 1994 Photoperiodic response of wild chilli 'chili piquin' (*Capsicum annuum* var. *aviculare* Dierb). *Phyton* 56 : 113-119.
- Testillano PS, Gonzalez Meleni P, Fadon B, Sanchezpina A, Olmedilla A & Risueno MD 1994 Immunolocalization of nuclear antigens and ultrastructural cytochemistry on tapetal cells of *Scilla peruviana* and *Capsicum annuum*. *Plant Systematics and Evolution* 191 (3-4) (Suppl.) : 75-91.
- Tsuchiya K, Lee JW & Hoshina T 1994 Allelopathic potential of red pepper. *Japanese Agricultural Research Quarterly* 28(1) : 1-12.
- Van Ruth SM & Roozen JP 1994 Gas chromatography sniffing port analysis and sensory evaluation of commercially dried bell peppers (*Capsicum annuum*) after rehydration. *Food Chemistry* 51(12) : 165-171.
- Vavrina CS, Shuler KD & Gilreath PR 1994 Evaluating the impact of transplanting depth on bell pepper growth and yield. *Hort Science* 29(10) : 1133-1136.
- Wilkins C 1994 Paprika chemistry and its relationship to spice quality. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp. 381-411). Elsevier Science Publishers, New York.
- Yahara S, Ura T, Sakamoto C & Nohara T 1994 Steroidal glycosides from *Capsicum annuum*. *Phytochemistry* 37(3) : 831-837.
- Yao JP, Nair MG & Chandra A 1994 Super critical carbon dioxide extraction of scotch bonnet (*Capsicum annuum*) and quantification of capsaicin and dihydropcapsa cin. *Journal of Agricultural and Food Chemistry* 42(6) : 1303-1306.
- Zibokere DS 1994 Insecticidal potency of red pepper on pulse beetle (*Callosobruchus maculatus*) infesting cowpea seeds during storage. *Indian Journal of Agricultural Sciences* 64(10) : 727.

Cinnamon (*Cinnamomum* spp.)

- Upadhaya SP, Kirihata M & Ichimoto I 1994 Cinnamon leaf oil from *Cinnamomum tamala* grown in Nepal. *Journal of the Japanese Society for Food Science and Technology* 41(7) : 512-515.
- Vernin G, Vernin C, Metzger J, Pujol L & Parkayanyi C 1994 GC/MS analysis of cinnamon and cassia essential oils - a comparative study. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp. 411-427). Elsevier Science Publishers, New York.
- Wu TS, Leu YL, Chan YY, Yu SM, Teng CM & Su JD 1994 Lignans and an aromatic acid from *Cinnamomum philippinense*. *Phytochemistry* 36(3) : 785-789.

Clove (*Eugenia caryophyllus*)

- Vernin G, Vernin E, Metzger J, Pujol L & Parkayani C 1994 GC/MS analysis of clove essential oils. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp. 483-501). Elsevier Science Publishers, New York.

Coriander (*Coriandrum sativum*)

- Cahoon EB & Ohlrogge JB 1994 Metabolic evidence for the involvement of a (4) - palmitoyl - acyl carrier protein desaturase in petroselinic acid synthesis in coriander endosperm and transgenic cells. *Plant Physiology* 104(3) : 827-839.
- Glumova NA, Guzhova NV, Merzlyak MN & Chivkunova OB 1994 Possible involvement of oxygen radicals in the damage of coriander plants by *Ramularia coriandri*. *Russian Journal of Plant Physiology* 41(1) : 114-118.
- Poggio L, Naranjo CA, Vega A De la & Frayssinet N 1994 The chromosomes of *Coriandrum sativum* L. *Cytologia* 59(1) : 17-23.
- Romeiro RS, Simoes AR, Muchovej JJ, Oliveira JR & Souza RM 1994 Bacterial sudden yellow death and soft rot of *Coriandrum sativum*. *Plant Pathology* 43(5) : 944-947.
- Smallfield BM, Perry NB, Beauregard DA, Foster LM & Dodds KG 1994 Effect of postharvest treatments on yield and composition of coriander herb oil. *Journal of Agricultural and Food Chemistry* 42(2) : 354-360.
- Tomar SS, Gupta KP, Abbas M & Nigam KB 1994 Effect of irrigation and fertility levels on growth and yield of coriander. *Indian Journal of Agronomy* 39(3) : 442-448.

Cumin (*Cuminum cyminum*)

- Shetty RS, Singhal RS & Kulkarni PR 1994 Antimicrobial properties of cumin. *World Journal of Microbiology and Biotechnology* 10(2) : 232.
- Singh SD & Rao JS 1994 Yield water nitrogen response analysis in cumin. *Annals of Arid Zone* 33(1) : 29-35.

Fennel (*Foeniculum vulgare*)

Buntain M & Chung B 1994 Effects of irrigation and nitrogen on the yield components of fennel. Australian Journal of Experimental Agriculture 34 (6) : 845.

Koike ST 1994 First report of stem rot of fennel in the United States caused by *Sclerotinia minor*. Plant Disease 78(7) : 754.

Thomas TH 1994 Responses of Florence fennel seeds to light, temperature and gibberellin A (4/7). Plant Growth Regulation 14(2) : 139-145.

Fenugreek (*Trigonella foenum graecum*)

Jonnalagadda SS & Seshadri S 1994 *In vitro* availability of iron from cereal meal with the addition of protein isolate and fenugreek leaves. Plants Foods for Human Nutrition 45(2) : 119-127.

Singh J, Gupta K & Arora SK 1994 Changes in the anti nutritional factors of developing seeds and pod walls of fenugreek. Plants Foods for Human Nutrition 46(1) : 77-85.

Garlic (*Allium sativum*)

Anonymous 1994 Uses deserts geothermal energy to dehydrate garlic and onion. Food Technology 46(11) : 174.

Baten MA, Nahar BS & Khan MAH 1994 Performance of seed clove size on dry matter accumulation and its partitioning in garlic. Bangladesh Journal of Botany 23(1) : 21-27.

Boiteux LS, Lima MF, Sobrinho JAM & Copes CA 1994 A garlic (*Allium sativum*) leaf blight caused by *Stemphylium vesicarium* in Brazil. Plant Pathology 43(2) : 412-415.

Bottcher H & Gunther I 1994 Quality changes of dry garlic during long term storage. 1. External Quality. NAHRUNG Food 38(1) : 61-70.

Cai XJ, Uden PC, Block E, Zhang X, Quimby BD & Sullivan JJ 1994 Allium chemistry: identification of natural abundance of organoselenium volatiles in Chinese chive using headspace gas chromatography with atomic emission detection. Journal of Agricultural and Food Chemistry 42(10) : 2081-2085.

Calvery EM, Roach JAG & Block E 1994 Super critical fluid chromatography of garlic extracts with mass spectrometric identification of allicin. Journal of Chromatographic Science 32(3) : 93-96.

Calvery EM, Matusik JE, White KD, Betz JM, Block E, Littlejohn MH, Naganathan S & Putman D 1994 Offline supercritical fluid extraction of thiosulfates from garlic and onion. Journal of Agricultural and Food Chemistry 42(6) : 1335-1342.

Curzio OA & Urioste AM 1994 Sensory quality of irradiated onion and garlic bulbs. Journal of Food Processing and Preservation 18(2) : 149-159.

Delarosalbarra M, Maiti RK & DeLeon B 1994 Effect of gibberellic acid and 2, 4-dichlorophenoxyacetic acid on garlic crop yields (in Spanish). Phyton 56 : 91-95.

Driscoll RH & Madamba PS 1994 Modelling the browning kinetics of garlic. Food Australia 46(2) : 66-74.

Ellmore GS & Feldberg RS 1994 Allilic lyase location in bundle sheaths of the garlic clove. American Journal of Botany 81(1) : 89-104.

Fellner M & Havranek P 1994 Culture of protoplasts isolated from leaves and callus cultures of *Allium sativum* and *Allium longicuspis*: a preliminary report. Biologisches Zentralblatt 113(3) : 317-329.

Francois LE 1994 Yield and quality response of salt - stressed garlic. Hort Science 29(11) : 1314-1318.

Gonzalez Fandoz E, Garcia Lopez ML, Sierra ML & Otera A 1994 Staphylococcal growth and enterotoxins (A-D) and thermonuclease synthesis in the presence of dehydrated garlic. Journal of Applied Bacteriology 77(5) : 549-553.

Hanfy MSM, Shalaby SM, Elfouly MAA, Elaziz MIA & Soliman FA 1994 Effect of garlic on lead contents in chicken tissues. Deutsche Tierärztliche Wochenschrift 101(4) : 157-158.

Jain MK & Apitzcastro R 1994 Garlic - a matter for heart. In: Charalambous G (Ed.). Spices, Herbs and Edible Fungi (pp. 309-329). Elsevier Science Publishers, New York.

Koch M & Saloman R 1994 Serological detection of onion yellow dwarf virus in garlic. Plant Disease 78(8) : 785-789.

Landry BS & Khanizadeh S 1994 Comparative yield and evaluation of cultural practices for selected fall planted garlic lines (*Allium sativum* L.) in Quebec. Canadian Journal of Plant Science 74(2) : 353-357.

Lot H, Delecalle B, Boccardo G, Marzachi C & Milne RG 1994 Partial characterization of reovirus - like particles associated with garlic dwarf disease. Plant Pathology 43(3) : 537-547.

Ma Y, Wang HL, Zhang CJ & Kang YQ 1994 High rate of virus free plantlet regeneration via garlic scape - tip culture. Plant Cell Reports 14(1) : 65.

Madamba PS, Driscoll RH & Buckle KA 1994 Shrinkage, density and porosity of garlic during drying. Journal of Food Engineering 23(3) : 309-321.

Marys E, Carballo O & Izaguirre Mayoral ML 1994 Isolation and characterization of viruses present in four clones of garlic in Venezuela. Journal of Phytopathology 142(3-4) : 227-235.

Mohamed - Yasseen Y, Splittstoesser WE & Litz RE 1994 *In vitro* shoot proliferation and production of sets from garlic and shallot. Plant Cell, Tissue and Organ Culture 36(2) : 243-247.

- Moreno V, Canet FM, Perez L, Reyes E, Ronda R, Fraga N & Almsó MC 1994 Agrophysiological classification of Cuban garlic landraces. *Plant Genetic Resources Newsletter* 99 : 36-37.
- Nagakubo T, Kubo M & Oeda K 1994 Nucleotide sequences of the three regions of two major viruses from mosaic diseased garlic: molecular evidences of mixed infection by a potyvirus and a carlavirus. *Phytopathology* 84(6) : 640.
- Nuzzo VA 1994 Response of garlic mustard (*Alliaria petiolata* Bied. (Cavara and Grandel) to summer herbicide treatment. *Natural Areas Journal* 14(4) : 309.
- Ohsumi C & Hayashi T 1994 The oligosaccharide units of the xyloglucans in the cell walls of bulbs of onion, garlic and their hybrid. *Plant Cell Physiology* 35(6) : 963-969.
- Ohsumi C & Hayashi T 1994 Carbohydrate analysis of an interspecific hybrid between onion and garlic. *Bioscience Biotechnology and Biochemistry* 58(5) : 959-961.
- Pooler MR & Simon PW 1994 True seed production in garlic. *Sexual Plant Reproduction* 7(5) : 282-287.
- Qu YH, Takagi H, Ogasawara N & Eloth T 1994 Development and types of inflorescences of garlic and some *Allium* species (in Japanese). *Journal of the Japanese Society for Horticultural Science* 63(1) : 121-131.
- Rabinkov A, Zhu XZ, Grafi G, Galili G & Mirelman D 1994 Allilin lyase (allilinas) from garlic (*Allium sativum*) - biochemical characterization and CDNA cloning. *Applied Biochemistry and Biotechnology* 48(3) : 149-173.
- Seabrook JEA 1994 *In vitro* propagation and bulb formation of garlic. *Canadian Journal of Plant Science* 74(1) : 155-159.
- Watervet D & Schmitz D 1994 Influence of variety and cultural practices on garlic yields in Saskatchewan. *Canadian Journal of Plant Science* 74(3) : 611-615.
- Yu TH, Lin LY & Ho CT 1994 Volatile compounds of blanched, fried blanched, and baked blanched garlic slices. *Journal of Agricultural and Food Chemistry* 42(6) : 1342-1348.

Ginger (*Zingiber officinale*)

- Bartley JP & Foley P 1994 Supercritical fluid extraction of Australian - grown ginger. *Journal of the Science of Food and Agriculture* 66(3) : 365-373.
- Bhagyalakshmi, Narasimhan S & Singh NS 1994 The yield and quality of ginger produced by micropropagated plants as compared with conventionally propagated plants. *Journal of Horticultural Science* 69(4) : 645-653.

- Denyer CV, Jackson P, Loakes DM, Ellis MR & Young DAB 1994 Isolation of antirhinoviral sesquiterpenes from ginger. *Journal of Natural Products* 57(5) : 658-663.
- Fagbenro O & Jauncey K 1994 Chemical and nutritional quality of fermented fish silage containing potato formalin or ginger extracts. *Food Chemistry* 50(4) : 383-389.
- Hartmann G & Kostner S 1994 Quality of ginger and ginger extracts - effect of processing to quality with respect to the contents of gingerols. *Fleischwirtschaft* 74(3) : 313-316.
- Masuda T & Jitoe A 1994 Antioxidative and antiinflammatory compounds from tropical gingers: isolation, structure determination and activities of cassumunins A, B and C, new complex curcuminoids from *Zingiber cassumunar*. *Journal of Agricultural and Food Chemistry* 42(9) : 1850-1857.
- Sharma TR, Singh BM & Chauhan RS 1994 Production of disease free encapsulated buds of *Zingiber officinale* Rosc. *Plant Cell Reports* 13(5) : 300-302.
- Vernin G & Parkanyi C 1994 Ginger oil (*Zingiber officinale* Roscoe). In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp. 579-595). Elsevier Science Publishers, New York.
- Wu JJ & Yang YS 1994 Effects of Y-irradiation on the volatile compounds of ginger rhizome. *Journal of Agricultural and Food Chemistry* 42(11) : 2574-2578.
- Zarate R & Yeoman MM 1994 Studies on the cellular localization of the phenolic pungent principle of ginger. *New Phytologist* 126(2) : 295-301.
- Zhang X, Iwaoka WT, Huang AS, Nakamoto ST & Wong R 1994 Gingerol decreases after processing and storage of ginger. *Journal of Food Science* 59(6) : 1338-1341.

Mustard (*Brassica juncea*)

- Abraham V & Bhatia CR 1994 Testing for tolerance to aphids in Indian mustard, *Brassica juncea* (L.) Czern and Coss. *Plant Breeding* 112(3) : 260.
- Agarwala BK & Bhattacharya S 1994 Importance of immigrantalate on the population development of mustard aphid *Lipaphis erysimi* (Kaltenbach). *Current Science* 66(5) : 385.
- Brandt RN & Lamb RJ 1994 Importance of tolerance and growth rate in the resistance of oilseed rapes and mustards to flea beetles, *Phyllotreta cruciferae* (Goeze) (Coleoptera: Chrysomelidae). *Canadian Journal of Plant Science* 74(1) : 169-177.
- Bodnaryk RP 1994 Potent effect of jasmonates on indole glucosinolates in oilseed rape and mustard. *Phytochemistry* 35(2) : 301-307.

- Chakraborty A, Chakraborty PK & Ghosh S 1994 Response of brown sarson and Indian mustard varieties to sulphur under red and lateritic soils of West Bengal. *Indian Journal of Agronomy* 39(2) : 327-330.
- Cui W W, Eskin NAM & Biliaderis CG 1994 Yellow mustard mucilage: chemical structure and rheological properties. *Food Hydrocolloids* 8(3-4) : 203-215.
- Cui WW, Eskin NAM & Biliaderis CG 1994 Fractionation, structural analysis and rheological properties of water-soluble yellow mustard polysaccharides. *Journal of Agricultural and Food Chemistry* 42(3) : 657-665.
- Dosdall LM, Herbut MJ & Cowle NT 1994 Susceptibilities of species and cultivars and canola and mustard to infestation by root maggots (*Delia* spp.) (Diptera, Anthomyiidae). *Canadian Entomologist* 126(2) : 251-261.
- Dubey OP, Sahu TR & Garg DC 1994 Response and economics in relation to nitrogen and sulphur nutrition in Indian mustard. *Indian Journal of Agronomy* 39(1) : 49-54.
- Gaur A & Gupta SX 1994 Lipid components of mustard seeds as influenced by cadmium levels. *Plant Foods for Human Nutrition* 46(2) : 93-103.
- Getinet A, Rakow G, Raney JP & Downey RK 1994 Development of zero erucic acid Ethiopian mustard through an interspecific cross with zero erucic acid oriental mustard. *Canadian Journal of Plant Science* 74(4) : 793-797.
- Hadfi K & Batschauer A 1994 Agrobacterium mediated transformation of white mustard and regeneration of transgenic plants. *Plant Cell Reports* 13(3-4) : 130-135.
- Hantschel RE, Priesack E & Hoeve R 1994 Effect of mustard residues on the carbon and nitrogen turnover in undisturbed soil microsoms. *Journal of Plant Nutrition and Soil Science* 157(5) : 319-327.
- Inderjit & Dakshini KMM 1994 Allelopathic effect of *Pluchea lanceolata* on characteristics of four soils and tomato and mustard growth. *American Journal of Botany* 81(7) : 799-805.
- Johnson Flanagan AM & Spencer MS 1994 Ethylene production during development of mustard and canola seed. *Plant Physiology* 106(2) : 601-607.
- Kaneria BB & Patel ZG 1994 Weed and nitrogen management in Indian mustard. *Indian Journal of Agricultural Sciences* 64(1) : 44-47.
- Kaneria BB & Patel ZG 1994 Effect of weed management practice and nitrogen on Indian mustard. *Indian Journal of Agronomy* 39(1) : 139-142.
- Kaur N & Kawatra BL 1994 Effect of cooking method and maturity of mustard leaves on bioavailability of iron. *Journal of Food Science and Technology* 31(4) : 285-289.

- Kaushal R, Kumar A & Singh S 1994 Occurrence of *Penicillium citrinum* and citrinin in mustard and linum cakes used as cattle feed. *National Academy Science Letters* 17(5-6) : 83-87.
- Khan NA 1994 Variation in carbonic anhydrase activity and its relationship with photosynthesis and dry mass mustard. *Photosynthetica* 30(2) : 317.
- Loeppky HA & Blackshaw RE 1994 Mustard tolerance to clopyralid applied alone or with ethametsulfuron. *Canadian Journal of Plant Science* 74(3) : 611-615.
- Mazza G, Jayas DS, Oomah BD & Mills JT 1994 Comparison of 5 3-parameter equations for the description of moisture sorption data of mustard seeds. *International Journal of Food Science and Technology* 29(1) : 71-83.
- Mills JT, Woods SM & Muzza G 1994 Effects of moisture temperature regimes on storage of yellow mustard seeds (*Sinapis alba* L.). *Journal of Science of Food and Agriculture* 68 (1) : 21-31.
- Mondal RK & Paul NK 1994 Transpiration rate and growth of mustard at different soil moisture regimes. *Bangladesh Journal of Botany* 23(1) : 123-127.
- Munshi SK & Kochhar A 1994 Carbohydrate metabolism in the silique relating to oil filling in mustard seeds. *Journal of Agronomy and Crop Science* 172(2) : 126-137.
- Munshi SK & Kumari A 1994 Physical characteristics of silique and lipid composition of seeds located at different positions in mature mustard inflorescence. *Journal of the Science of Food and Agriculture* 64(3) : 289-295.
- McMullan PM, Daun JK & De Clercq DR 1994 Effect of wild mustard (*Brassica kaber*) competition on yield and quality of triazine - tolerant and triazine susceptible canola (*Brassica napus* and *Brassica rapa*). *Canadian Journal of Plant Science* 74(2) : 369-375.
- Nag D & Bhole NG 1994 Physical characteristics of mustard oil solvent miscella. *Journal of the American Oil Chemists Society* 71(10) : 1177.
- Pfannschmidt T & Link G 1994 Separation of two classes of plastid DNA - dependent RNA polymerases that are differently expressed in mustard (*Sinapis alba* L.) seedlings. *Plant Molecular Biology* 25(1) : 69-83.
- Podder SR & Purohit DK 1994 Aflatoxin contamination of mustard and tamarind seeds under storage in Rajasthan. *Annals of Arid Zone* 33(1) : 67-69.
- Podder SR & Purohit DK 1994 Changes in protein content of mustard and tamarind seeds due to fungal infestation. *Annals of Arid Zone* 32(4) : 277-279.

- Pua EC 1994 Expression variability of marker genes during plant regeneration from protoplasts of R1 transgenic mustard via somatic embryogenesis. *Journal of Plant Physiology* 43(3) : 363-372.
- Rahman ML & Biswas PK 1994 Effect of sowing dates and cultivars on the incidence of *Alternaria* leaf blight of mustard at Chittagong. *Bangladesh Journal of Botany* 23(1) : 27-33.
- Rao MVB & Raut RN 1994 Inheritance of resistance to white rust (*Albugo candida*) in an interspecific cross between Indian mustard and rapeseed. *Indian Journal of Agricultural Sciences* 64(4) : 249-252.
- Rao VU, Singh DW & Singh R 1994 Actual evapo - transpiration in Indian mustard and greengram. *Indian Journal of Agricultural Sciences* 64(9) : 650-653.
- Rashid A, Rafique E & Bughio N 1994 Diagnosing boron deficiency in rapeseed and mustard by plant analysis and soil testing. *Communication in Soil Science and Plant Analysis* 25(17-18) : 2883-2899.
- Rashid A, Buthio N & Rafique E 1994 Diagnosing zinc deficiency in rapeseed and mustard by seed analysis. *Communications in Soil Science and Plant Analysis* 25(19-20) : 3405-3413.
- Rocholl M, Talke Messerer C, Kaiser T & Batschauer A 1994 Unit 1 of the mustard chalcone synthase promoter is sufficient to mediate light responses from different photoreceptors. *Plant Science* 97(2) : 189-199.
- Sharma JP 1994 Response of Indian mustard to different irrigation schedules and nitrogen and sulphur levels. *Indian Journal of Agronomy* 39(3) : 421-426.
- Savani MB, Patel KI, Shekh AM, Chinchghare RB & Parmer RS 1994 Relationship between actual evapo - transpiration and estimated evapo-transpiration of a reference crop of Indian mustard. *Indian Journal of Agricultural Sciences* 64(11) : 768-771.
- Shahidi F, Wanasundara UN & Amarowicz R 1994 Natural antioxidants from low-pungency mustard flour. *Food Research International* 27(5) : 489-495.
- Sharma PC & Gill KS 1994 Salinity induced effect on biomass, yield, yield attributing characters and ionic contents in genotypes of Indian mustard. *Indian Journal of Agricultural Sciences* 64(11) : 785-789.
- Shukla A & Kumar A 1994 Dry-matter accumulation, nitrogen content, its uptake and seed yield of Indian mustard as influenced by varieties and rates of nitrogen fertilization. *Indian Journal of Agronomy* 39(1) : 38-43.
- Subudhi PK & Raut RN 1994 Genetic analysis of yield and its component traits in Indian mustard x Ethiopian mustard interspecific crosses. *Indian Journal of Agricultural Sciences* 64(3) : 171-176.

- Subrahmanyam D & Rathore VS 1994 Effect of high temperature stress on C-1402 assimilation and partitioning in Indian mustard. *Journal of Agronomy and Crop Science* 172(3) : 188-194.
- Thakral NK & Singh H 1994 Combining ability for vigour characters under normal and saline environments in Ethiopian mustard. *Annals of Arid Zone* 33(2) : 245-249.
- Tiwari DP & Yadava IS 1994 Effect on growth, nutrient utilization and blood metabolites in buffalo calves fed rations containing formaldehyde-treated mustard-cake. *Indian Journal of Animal Science* 64(6) : 625-631.
- Wang X, Wiesenborn D, Lindley J & Backer L 1994 Thermal inactivation of myrosinase in yellow mustard seed. *Transactions of the ASAE* 37(3) : 879-887.
- Waterer JG, Vessey JK, Stobbe EH & Soper RJ 1994 Yield and symbiotic nitrogen fixation in a pea mustard intercrop as influenced by N fertilizer addition. *Soil Biology and Biochemistry* 26(4) : 447-455.
- Yadav SK, Chander K & Singh DP 1994 Response of late sown mustard to irrigation and nitrogen. *Journal of Agricultural Science* 123(2) : 219-225.
- Zhang X & Brusewitz GH 1994 Moisture effect on roller milling mustard seed. *Transactions of the ASAE* 37(2) : 491-495.
- Nutmeg (*Myristica fragrans*)**
- Moyler DA, Browning RM & Stephens MA 1994 C02 extraction of essential oils. 5. Nutmeg and mace oils. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.145-171). Elsevier Science Publishers, New York.
- Wilde, WJJO De 1994 Taxonomic review of *Myristica* in the Pacific. *Blumea* 38(2) : 349-406.
- Oregano (*Origanum vulgare*)**
- Tucker AO & Maciarello MJ 1994 Oregano - botany, chemistry and cultivation. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp. 439-457). Elsevier Science Publishers, New York.
- Parsley (*Petroselinum crispum*)**
- Costa E & Silva O DA 1994 CG-I a parsley light - induced DNA binding protein. *Plant Molecular Biology* 25(5) : 921-924.
- Eckeykaltbach H, Ernst D, Heller W & Santermann H 1994 Biochemical plant responses to ozone 4. Cross induction of defensive pathways in parsley plants. *Plant Physiology* 104(1) : 67.
- Eckeykaltbach H, Grosskopf E, Sander mann H & Ernst D 1994 Induction of pathogen defence genes in parsley plants by ozone. *Proceedings of the Royal Society of Edinburgh, Section B (Biological Sciences)* 102 : 63-75.

- Harter K, Kircher S, Frohnmeyer H, Krenz M, Nagy F & Schafer E 1994 Light - regulated modification and nuclear translocation of cytosolic G-box binding factors in parsley. *Plant Cell* 6(4) : 545-561.
- Kauss H, Jeblick W, Ziegler I & Krabler W 1994 Pretreatment of parsley suspension cultures with methyl jasmonate enhances elicitation of activated oxygen species. *Plant Physiology* 105(1) : 89.
- Merkle T, Frohnmeyer H, Schulzelefert P, Dangal JL, Hahlbrock K & Schafer E 1994 Analysis of parsley chalcone - synthase promoter in response to different light qualities. *Planta* 193(2) : 275-283.
- Moiseyev GP, Beintema JJ, Fedoreyeva LI & Yakovlev GI 1994. High sequence similarity between ribonuclease from ginseng calluses and fungus - elicited proteins from parsley indicates that intracellular pathogenesis - related proteins are ribonucleases. *Planta* 193(3) : 470.
- Poppe C, Ehmann B, Frohnmeyer H, Furuya M & Schafer E 1994 Regulation of phytochrome A mRNA abundance in parsley seedlings and cell suspension cultures. *Plant Molecular Biology* 26(1) : 481-487.
- Silva ODE 1994 CG-1, a parsley light - induced DNA - binding protein. *Plant Molecular Biology* 25(5) : 921.
- Vernin G, Metzger J & Parkanyi C 1994 Studies of plants in the Umbelliferae family - GC/MS analysis of parsley leaf essential oils from Hungary and France - closely related diterpenes from *Petroselinum crispum* (Mill.) Nym. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.457-469). Elsevier Science Publishers, New York.
- Zou JT & Taylor DC 1994 Isolation of an avabidopsis thaliana C DNA homologous to parsley (*Petroselinum crispum*) S-adenosyl - L - methionine: Trans - Caffeoil - Coenzyme A3-0-methyl transferase, an enzyme involved in disease resistance. *Plant Physiology and Biochemistry* 32(3) : 423-429.

Rosemary (*Rosmarinus officinalis*)

- Hall C, Cuppett S, Wheeler D & Fu XP 1994 Effects on bleached and unbleached rosemary oleoresin and rosmariquinone on light sensitized oxidation of soyabean oil. *Journal of American Oil Chemists Society* 71(5) : 533-537.
- Huisman M, Madsen HL, Skibsted LH & Bertelsen G 1994 The combined effect of Rosemary and modified atmosphere packaging as protection against warmed over flavour in cooked minced pork meat. *Zeitschrift Fur Lebensmittel - Unter Suchung und - Forschung* 198(1) : 57-60.
- Okamura N, Haraguchi H, Hashimoto K & Yagi A 1994 Flavonoids in *Rosmarinus officinalis* leaves. *Phytochemistry* 37(5) : 1463-1467.
- Pandit VA & Shelef LA 1994 Sensitivity of listeria monocytogenes to rosemary. *Food Microbiology* 11(1) : 57-65.

- Perez Arquilue C, Conchello P, Arino A, Juan T & Herrera A 1994 Quality evaluation of Spanish rosemary (*Rosmarinus officinalis*) honey. *Food Chemistry* 51(2) : 207-211.
- Pizzocaro F, Senesi E & Babbini G 1994 Protective effects of fresh rosemary and sage on frozen beef hamburgers. *Industria Alimentari* 33(324) : 289-295.

Saffron (*Crocus sativus*)

- Jirage DB, Ravishankar GA, Suvaranalatha G & Venkataraman LV 1994 Profile of polyamines during sprouting and growth of saffron corms. *Journal of Plant Growth regulation* 13(2) : 69-72.

Thyme (*Thymus vulgaris*)

- Jackson SAL & Hay RKM 1994 Characteristics of varieties of thyme for use in the UK: oil content composition and related characters. *Journal of Horticultural Science* 69(2) : 275-283.
- Juven BJ, Kanner J, Schved F & Weisslowicz H 1994 Factors that interact with the anti-bacterial action of thyme essential oil and its active constituents. *Journal of Applied Bacteriology* 76(6) : 626-632.
- Letchamo W, Marquard R, Holzl J & Gosselin A 1994 Effects of water supply and light intensity on growth and essential oil of two *Thymus vulgaris* selections. *Angewandte Botanik* 68(3-4) : 83-89.
- Vernin G, Ghiglione C & Parkanyi C 1994 GC-MS-SPEC MA bank analysis of *Thymus serpyllum* Praecox (Opiz) Wollm (wild thyme) from Hautes - Alpes (France). In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.501-517). Elsevier Science Publishers, New York.

Turmeric (*Curcuma longa*)

- Martins MC, Rusig O & Shirose I 1994 Temperature and light effects on turmeric (*Curcuma longa* L.) oleoresin extracts and curcumin. *Arquivos de Biologia e Tecnologia* 37(4) : 723-727.

Vanilla (*Vanilla Planifolia*)

- Ranadive AS 1994 Vanilla - cultivation, curing, chemistry, technology and commercial products. In: Charalambous G (Ed.) *Spices, Herbs and Edible Fungi* (pp.517-579). Elsevier Science Publishers, New York.