



BIBLIOGRAFI HASIL PENELITIAN PERTANIAN KOMODITAS KOPI



PUSAT PERPUSTAKAAN DAN PENYEBARAN TEKNOLOGI PERTANIAN
Badan Penelitian dan Pengembangan Pertanian
Kementerian Pertanian
2010

Bibliografi
HASIL PENELITIAN PERTANIAN
KOMODITAS KOPI
2005-2009

Pusat Perpustakaan dan Penyebaran Teknologi Pertanian
Badan Penelitian dan Pengembangan Pertanian
Kementerian Pertanian
2010

**BIBLIOGRAFI
HASIL PENELITIAN PERTANIAN
KOMODITAS KOPI**

2010

Diterbitkan oleh
PUSAT PERPUSTAKAAN DAN PENYEBARAN
TEKNOLOGI PERTANIAN
Jalan Ir. H. Juanda No 20 Bogor.
Telp. 0251 8321746, Faximili 0251 8326561

E-mail pustaka@pustaka.deptan.go.id
Homepage: [//www.pustaka.deptan.go.id](http://www.pustaka.deptan.go.id)
ISBN. 978-979-8943-37-9

BIBLIOGRAFI
HASIL PENELITIAN PERTANIAN
KOMODITAS KOPI

Pengarah : Dr. Gatot Irianto, M.Sc

Penanggung jawab : Ir. Ning Pribadi, M.Sc.

Penyusun : Widaningsih, S.S.
Sudarno, A.Md

Penyunting : Ir. Eka Kusmayadi, M.Hum
Budi Prawati, S.Sos

KATA PENGANTAR

Bibliografi Hasil Penelitian Pertanian Komoditas Kopi tahun 2005-2009 disusun dan disebarakan kepada para pengguna di lingkup Badan Litbang Pertanian, dimaksudkan agar perkembangan penelitian pertanian di berbagai Negara dapat diketahui dan dipantau, sehingga dapat dijadikan rujukan untuk penelitian dan pengembangan pertanian di tanah air.

Bibliografi Hasil Penelitian Pertanian Komoditas Kopi 2005-2009 memuat bibliografi hasil penelitian yang bersumber dari database ProQuest, ScienceDirect dan TEEAL (*The Essential Electronic of Agricultural Library*) yang dilanggan oleh Pusat Perpustakaan dan Penyebaran Teknologi Pertanian (PUSTAKA).

Penyusunan bibliografi ini untuk memudahkan para pengguna, khususnya para peneliti Badan Litbang Pertanian dalam mencari informasi yang dibutuhkan, baik dalam rangka penyusunan proposal penelitian, penulisan ilmiah, laporan penelitian, maupun kegiatan penelitian dan kegiatan ilmiah lainnya.

Bibliografi Hasil Penelitian Pertanian Komoditas Kopi 2005-2009 selain diterbitkan dalam bentuk tercetak, juga dapat diakses secara online melalui web PUSTAKA www.pustaka-deptan.go.id. Untuk mendapatkan artikel lengkapnya, dapat ditelusur melalui perpustakaan UK/UPT lingkup Badan Litbang Pertanian atau kontak langsung ke PUSTAKA melalui alamat email pustaka@pustaka-deptan.go.id atau telepon ke nomor 0251-8321746, fax 0251-8326561. Bagi para peneliti yang datang ke PUSTAKA, penelusuran dapat dilakukan di Operation Room Digital Library (ORDL) yang berada di Lantai 1 Gedung B.

Bibliografi Hasil Penelitian Pertanian Komoditas Kopi 2005-2009 ini diharapkan dapat digunakan oleh peneliti setiap waktu, sehingga mampu mempercepat dan mempermudah para peneliti dalam mencari informasi yang dibutuhkan.

Kepala Pusat,

Ir. Ning Pribadi, M.Sc.

DAFTAR ISI

| | |
|----------------------|----|
| KATA PENGANTAR | i |
| DAFTAR ISI | ii |
| KOPI | |
| 2005 | |
| ProQuest | 1 |
| ScienceDirect | 1 |
| TEEAL | 9 |
| 2006 | |
| ProQuest | 17 |
| ScienceDirect | 18 |
| TEEAL | 26 |
| 2007 | |
| ProQuest | 33 |
| ScienceDirect | 35 |
| TEEAL | 43 |
| 2008 | |
| ProQuest | 52 |
| ScienceDirect | 54 |
| TEEAL | 63 |
| 2009 | |
| ProQuest | 72 |
| ScienceDirect | 73 |
| 2010 | |
| ScienceDirect | 83 |
| INDEKS | 87 |

**KOPI
2005**

PROQUEST

- 1 Evapotranspiration and irrigation requirements of a coffee plantation in Southern Brazil / Fabio Ricardo Marin... [et al.]
Experimental Agriculture. Cambridge: Apr 2005. Vol. 41, Iss. 2; p. 187-198
Keyword: Coffee; Plantation; Evapotranspiration; Irrigation; Brazil.

SCIENCE DIRECT

- 2 Airflow Resistance of Parchment Arabica Coffee/ J.O. Agullo, M.O. Marenya.
Biosystems Engineering, Volume 91, Issue 2, June 2005, p. 149-156, ISSN 1537-5110.
Keyword: Arabica coffee; Defence mechanisms.
- 3 Alternative coffee packaging: an analysis from a life cycle point of view/ Michele De Monte, Elio Padoano, Dario Pozzetto.
Journal of Food Engineering, Volume 66, Issue 4, February 2005, p. 405-411, ISSN 0260-8774
Keywords: Environmental impact; LCA; Food packing
- 4 Biochemical and molecular characterization of alpha-d-galactosidase from coffee beans/ Pierre Marraccini... [et al.]
Plant Physiology and Biochemistry, Volume 43, Issues 10-11, October-November 2005, p. 909-920, ISSN 0981-9428.
Keywords: Alpha galactosidase; Bean development; Cell wall polysaccharide; Coffea arabica; Coffea canephora; Galactomannan; Germination
- 5 Biodiversity, yield, and shade coffee certification/ Ivette Perfecto... [et al.]

Ecological Economics, Volume 54, Issue 4, 15 September 2005, p. 435-446, ISSN 0921-8009.

Keywords: Coffee certification programs; Yield set; Biodiversity; Agroforestry

- 6 Characterization of slow-growing root nodule bacteria from *Inga oerstediana* in organic coffee agroecosystems in Chiapas, Mexico/ J.M. Grossman...[et.al.]

Applied Soil Ecology, Volume 29, Issue 3, July 2005, p. 236-251, ISSN 0929-1393.

Keywords: Inga; Coffee; Mexico; Characterization; N₂ fixation; Root nodule bacteria

- 7 Coffee diterpenes prevent the genotoxic effects of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) and N-nitrosodimethylamine in a human derived liver cell line (HepG2)/ B.J. Majer... [et al.]

Food and Chemical Toxicology, Volume 43, Issue 3, March 2005, p. 433-441, ISSN 0278-6915.

Keywords: Coffee diterpenes; Cafestol ; Kahweol; N-nitrosodimethylamine; PhIP; Metabolic enzymes; Antimutagenicity; Micronucleus; HepG2

- 8 Coffee: growing, processing, sustainable production/ John F. Kennedy, Rocio Martin Alanis, J.N. Wintgens (Ed.).

Weinheim, Germany: Wiley-VCH, 2004, xl +976 pp., pound sign 205.00, ISBN 3-527-30731-1., *Carbohydrate Polymers*, Volume 62, Issue 1, 17 October 2005, p. 87, ISSN 0144-8617.

Keywords: Coffee; Growth Period; Processing; Production; Sustainability

- 9 Comparative culturing of *Pleurotus spp.* on coffee pulp and wheat straw: biomass production and substrate biodegradation/ Dulce Salmones ...[et al.]

Bioresource Technology, Volume 96, Issue 5, March 2005, p. 537-544, ISSN 0960-8524.

Keywords: Pleurotus; Coffee pulp; Wheat straw; Biomass;

Biodegradation

- 10 Composition of green and roasted coffees of different cup qualities/ Adriana S. Franca ...[et al.]
LWT - Food Science and Technology, Volume 38, Issue 7, November 2005, p. 709-715, ISSN 0023-6438.
Keywords: Coffee; Cup quality; Proximal composition; Caffeine; Trigonelline
- 11 Corrigendum to composition and properties of Indonesian palm civet coffee (Kopi Luwak) and Ethiopian civet coffee/ M.F. Marcone.
Food Research International 37 (2004) 901-912, Food Research International, Volume 38, Issue 2, March 2005, p. 233, ISSN 0963-9969.
Keywords : Riverridae, Palmae, Coffee, Indonesia, Ethiopia.
- 12 Diversity in bean caffeine content among wild coffee species: evidence of a discontinuous distribution/ C. Campa...[et al]
Food Chemistry, Volume 91, Issue 4, August 2005, p. 633-637, ISSN 0308-8146.
Keywords: Coffee; Caffeine; Diversity
- 13 Do fair trade and eco-labels in coffee wake up the consumer conscience? / Maria L. Loureiro, Justus Lotade.
Ecological Economics, Volume 53, Issue 1, 1 April 2005, p. 129-138, ISSN 0921-8009.
Keywords: Eco labels; Fair trade; Organic coffee; Shade grown coffee; Weibull survival regression
- 14 Effect of the post harvest processing procedure on OTA occurrence in artificially contaminated coffee/ Mirna Suarez-Quiroz... [et al.]
International Journal of Food Microbiology, Volume 103, Issue 3, 15 September 2005, p. 339-345, ISSN 0168-1605.
Keywords: Coffee; Ochratoxin A; Aspergillus ochraceus; Aspergillus niger

- 15 Environmental and socio-economic impacts of institutional reforms on the agricultural sector of Vietnam: Land suitability assessment for Robusta coffee in the Dak Gan region/ D. D'haeze... [et al.]
Agriculture, Ecosystems & Environment, Volume 105, Issues 1-2, January 2005, p. 59-76, ISSN 0167-8809.
Keywords: Robusta coffee; Irrigation; Institutional reforms; Agro ecological decline; Vietnam
- 16 Exposure to toxic concentrations of aluminum activates a MAPK-like protein in cell suspension cultures of *Coffea Arabica*/ Gabriela A. Arroyo-Serralta... [et al.]
Plant Physiology and Biochemistry, Volume 43, Issue 1, January 2005, p. 27-35, ISSN 0981-9428,
Keywords: Aluminum toxicity; Coffee cell suspension cultures; MAP kinase like activity
- 17 Factors driving land use change: effects on watershed functions in a coffee agroforestry system in Lampung, Sumatra/ Bruno Verbist, Andree Eka Dinata Putra, Suseno Budidarsono.
Agricultural Systems, Volume 85, Issue 3, Local Land Use Strategies in a Globalizing World: Subsistence Farming, Cash Crops and Income Diversification, September 2005, p. 254-270, ISSN 0308-521X.
Keywords: Deforestation; Shade coffee; Perceptions; Watershed functions; Driving factors
- 18 Groundwater extraction for irrigation of *Coffea canephora* in Ea Tul watershed, Vietnam - a risk evaluation/ Dave D'haeze... [et al.]
Agricultural Water Management, Volume 73, Issue 1, 20 April 2005, p. 1-19, ISSN 0378-3774,
Keywords: Coffea canephora; Irrigation; Groundwater recharge; Water balance; Vietnam
- 19 Heat and mass transfer in coffee fruits drying/ M.A. Sfredo, J.R.D.

Finzer, J.R. Limaverde.

Journal of Food Engineering, Volume 70, Issue 1, September 2005, p. 15-25, ISSN 0260-8774.

Keywords: Coffee; Drying; Vibration; Heat and mass transfer; Effective diffusivity

- 20 Hydrocolloids from coffee: physicochemical and functional properties of an arabinogalactan-protein fraction from green beans/ R.J. Redgwell...[et al.]

Food Hydrocolloids, Volume 19, Issue 6, November 2005, p. 1005-1015, ISSN 0268-005X.

Keywords: Hydrocolloids; Arabinogalactan protein fraction; Green beans

- 21 In vitro antioxidant activity of coffees brewed using different procedures (Italian, espresso and filter)/ I. Sanchez-Gonzalez, A. Jimenez-Escrig, F. Saura-Calixto.

Food Chemistry, Volume 90, Issues 1-2, March-April 2005, p. 133-139, ISSN 0308-8146.

Keywords: Coffees; Processing; Total phenolics; Antioxidant activity; Trolox equivalent antioxidant capacity; Radical scavenging; Reductive power

- 22 Influence of hydrolysed lecithin addition on protein adsorption and heat stability of a sterilised coffee cream stimulant/ Paul Van der Meeren...[et al.]

International Dairy Journal, Volume 15, Issue 12, December 2005, p. 1235-1243, ISSN 0958-6946.

Keywords: Hydrolysed lecithin; Phospholipids; Heat stability; Coffee cream

- 23 Insect gladiators II: Competitive interactions within and between bethylid parasitoid species of the coffee berry borer *Hypothenemus hampei* (Coleoptera: Scolytidae)/ Tim P. Batchelor...[et al.]

Biological Control, Volume 33, Issue 2, May 2005, p. 194-202,

ISSN 1049-9644

Keywords: Bethylidae; Biological control; Cephalonomia hyalinipennis; Cephalonomia stephanoderis; Coffee berry borer; Fatal fighting; Hypothenemus hampei; Inter and intraspecific competition; Prorops nasuta

- 24 Isolation and characterization of coffea genes induced during coffee leaf miner (*Leucoptera coffeella*) infestation / Jorge Mauricio Costa Mondego... [et al.]
Plant Science, Volume 169, Issue 2, August 2005, p. 351-360, ISSN 0168-9452.

Keywords: Biotic stress; Coffee; DNA arrays; Plant insect interactions; Subtracted cDNA libraries

- 25 Minimal clean-up and rapid determination of polycyclic aromatic hydrocarbons in instant coffee/ Mercedes Sonia Garcia-Falcon, Beatriz Cancho-Grande, Jesus Simal-Gandara.
Food Chemistry, Volume 90, Issue 4, May 2005, p. 643-647, ISSN 0308-8146.

Keywords: Polycyclic aromatic hydrocarbons; HPLC fluorescence; Instant coffee

- 26 Modelling of effects of water activity and temperature on germination and growth of ochratoxigenic isolates of *Aspergillus ochraceus* on a green coffee-based medium/ E. Pardo ...[et al.]
International Journal of Food Microbiology, Volume 98, Issue 1, 15 January 2005, p. 1-9, ISSN 0168-1605.

Keywords: *Aspergillus ochraceus*; Green coffee beans; Temperature; Water activity; Predictive modelling

- 27 Packed coffee drink consumption and product attribute preferences of young adults in Taiwan/ Jane Lu Hsu, Wei-Ching Hung.
Food Quality and Preference, Volume 16, Issue 4, June 2005, p. 361-367, ISSN 0950-3293.

Keywords: Packed coffee drinks; Attribute preferences;

Young adults

- 28 Photosynthetic pigments, nitrogen, chlorophyll a fluorescence and SPAD-502 readings in coffee leaves/ Alena Torres Netto...[et al.] *Scientia Horticulturae*, Volume 104, Issue 2, 30 March 2005, p. 199-209, ISSN 0304-4238.
Keywords: Coffea canephora Pierre; Portable chlorophyll meter; Chlorophyll; Carotenoids; Fluorescence.
- 29 Phyllostomid bat diversity in a variegated coffee landscape/ Catherine Numa, Jose R. Verdu, Pedro Sanchez-Palomino. *Biological Conservation*, Volume 122, Issue 1, March 2005, p. 151-158, ISSN 0006-3207.
Keywords: Coffee agroecosystem; Alpha diversity; Beta diversity; Forest fragmentation; Landscape matrices; Northern Andes
- 30 Physical and chemical attributes of defective crude and roasted coffee beans/ Adriana S. Franca... [et al.] *Food Chemistry*, Volume 90, Issues 1-2, March-April 2005, p. 89-94, ISSN 0308-8146
Keywords: Defective coffee beans; Caffeine; Trigonelline; Chlorogenic acid.
- 31 Preparative silver ion TLC/RP-HPLC determination of coffee triacylglycerol molecular species/ Gulab N. Jham ...[et al.] *Food Research International*, Volume 38, Issue 2, March 2005, p. 121-126, ISSN 0963-9969.
Keywords: Triacylglycerol; HPLC; Refractive index detector; Light sensitive detector; Coffee types
- 32 Purification and characterisation of adenosine nucleosidase from *Coffea arabica* young leaves/ Alexandre Campos... [et al.] *Phytochemistry*, Volume 66, Issue 2, January 2005, p. 147-151, ISSN 0031-9422.
Keywords: Coffea arabica L.; Rubiaceae; Coffee; Enzyme purification; Adenosine nucleosidase; Adenosine; Purine metabolism

- 33 Qualitative relationship between caffeine and chlorogenic acid contents among wild *Coffea* species/ C. Campa...[et al.]
Food Chemistry, Volume 93, Issue 1, November 2005, p. 135-139, ISSN 0308-8146
Keywords: Coffee; Caffeine; Chlorogenic acid
- 34 Relating consumer preferences to sensory attributes of instant coffee/ L. Geel, M. Kinnear, H. L. de Kock.
Food Quality and Preference, Volume 16, Issue 3, April 2005, p. 237-244, ISSN 0950-3293.
Keywords: Instant coffee; Chicory; Preference mapping; Descriptive sensory analysis
- 35 Roast effects on coffee amino acid enantiomers/ S. Casal...[et al.]
Food Chemistry, Volume 89, Issue 3, February 2005, p. 333-340, ISSN 0308-8146
Keywords: Coffee; Amino acids; Racemisation value; Roasting; Food safety
- 36 Saprotrophic mycelial cord abundance, length and survivorship are reduced in the conversion of tropical cloud forest to shaded coffee plantation/ Roger Guevara.
Biological Conservation, Volume 125, Issue 2, September 2005, p. 261-268, ISSN 0006-3207,
Keywords: Evergreen cloud forest; Fungal ecology; Mycelial life form; Rustic coffee; Saprotrophic fungi; Soil biodiversity
- 37 Standards as a new form of social contract? Sustainability initiatives in the coffee industry/ Daniele Giovannucci, Stefano Ponte.
Food Policy, Volume 30, Issue 3, Private Agri-food Standards: Implications for Food policy and Agri-food Systems, June 2005, p. 284-301, ISSN 0306-9192.
Keywords: Grades and standards; Coffee

- 38 The economics of biodiversity conservation: a study of a coffee growing region in the Western Ghats of India/ K.N. Ninan, Jyothis Sathyapalan.
Ecological Economics, Volume 55, Issue 1, 5 October 2005, p. 61-72, ISSN 0921-8009.
Keywords: Biodiversity conservation; Coffee benefits and costs; External and transaction costs; Wildlife damages; Contingent valuation; Participatory elephant conservation.
- 39 The effect of Roasting on the presence of bioactive amines in coffees of different qualities/ Sami D. Oliveira...[et al.]
Food Chemistry, Volume 90, Issues 1-2, March-April 2005, p. 287-291, ISSN 0308-8146.
Keywords:Putrescine; Histamine; Tyramine; Coffee; Roasting
- 40 The potential of NeemAzal for the control of coffee leaf pests/ Madelaine Venzon...[et al.]
Crop Protection, Volume 24, Issue 3, March 2005, p. 213-219, ISSN 0261-2194.
Keywords: Coffee arabica; Leucoptera coffeella; Oligonychusilicis; Iphiseiodes zuluagai; Azadiracta indica

TEEAL

- 41 Bean and beverage quality in coffee crops treated with sewage sludge/ Martins-D-R., Camargo-O-A-de., Bataclia-O-C.
Bragantia, 2005, 64 (1), p. 115-126

Keywords: Coffee beans; Beverages; Quality; Sewage sludge.

- 42 Biological control of the coffee berry borer *Hypothenemus hampei* (Coleoptera: Curculionidae) by *Phymastichus coffea* (Hymenoptera: Eulophidae) in Colombia / Jaramillo-J ...[et al.]
Bulletin of Entomological Research, 2005, 95 (5), p. 467-472
Keywords : Biological control; Coffee; Hypothenemus hampei.
- 43 Chemical diversity in coffee plants of *Coffea canephora*/ Aguiar-A-T-E...[et al.]
Bragantia, 2005, 64 (4), p. 577-582
Keywords: Caffeine; Chemical components; Robusta coffee; Chemical diversity; Trigonelline
- 44 Chemotaxonomy of the Rubiaceae family based on leaf fatty acid composition/ Mongrand-S...[et al.]
Phytochemistry, 2005, 66 (5), p. 549-559
Keywords: Biochemical pathways; Biosynthesis; Chemical composition; Chemotaxonomy; Fatty acids; Leaves; Plant composition; Taxonomy.
- 45 Coffee and intercropping productivities under different water regimes/ de-Faria-R-T., Siqueira-R.
Bragantia, 2005, 64 (4), p. 583-590
Keywords: Coffee; Intercropping; Water availability.
- 46 Coffee senna (*Cassia occidentalis*) germination and emergence is affected by environmental factors and seeding depth/ Norsworthy-J-K., Oliveira-M-J.
Weed Science, 2005, 53 (5), p. 657-662
Keywords: Coffee; Germination; Emergence; Environmental factors; Sowing rates
- 47 Comparative culturing of *Pleurotus* spp. on coffee pulp and wheat straw: biomass production and substrate biodegradation/ Salmones-D., Mata-G., Waliszewski-K-N.
Bioresource Technology, 2005, 96 (5), p. 537-544

Keywords: Coffee; Pulp; Culture media; Pleurotus; Wheat straw; Biomass; Production; Biodegradation

- 48 Confronting the coffee crisis: can fair trade, organic, and specialty coffees reduce small-scale farmer vulnerability in northern Nicaragua/ Bacon-C.

World Development, 2005, 33 (3), p. 497-511

Keywords : Coffee; Farmers; Trade policies; Nicaragua

- 49 Correlation among the *Colletotrichum* spp. incidence with some coffee agronomic traits/ Sera-G-H...[et al.]

Bragantia, 2005, 64 (3), p. 435-440

Keywords: Coffee; Colletotrichum; Agronomic traits.

- 50 Distribution analyses of *Meloidogyne* spp. and *Pratylenchus coffee* sensu lato in coffee plots in Costa Rica and Guatemala/ Herve-G ...[et al.]

Plant Pathology, 2005, 54 (4), p. 471-475

Keywords : Coffee; Meloidogyne; Statistical methods; Pratylenchus, Costa Rica, Guatemala.

- 51 Diversity in bean Caffeine content among wild *Coffea* species: evidence of a discontinuous distribution/ Campa-C...[et al.]

Food Chemistry, 2005, 91 (4), p. 633-637

Keywords:Caffeine; Centres of diversity; Chemical composition; Coffee; Evolution; Gene expression; Genes; Genetic diversity; Genetic regulation; Plant composition.

- 52 Effect of 6-BA on nodal explant bud sproutings of *Coffea arabica* cv. Mundo Novo/ Ramos-L-C-da-S., Almeida-J-A-S-de .

Bragantia, 2005, 64 (2), p. 185-190

Keywords: Application rates; Benzyladenine; Coffee; Culture media; Invitro culture; Invitro generation; Micropropagation; Plant growth regulators; Tissue culture.

- 53 Effect of water activity and temperature on mycelial growth and ochratoxin A production by isolates of *Aspergillus ochraceus* on irradiated green coffee beans/ Pardo-E ...[et al.]
Journal of Food Protection, 2005, 68 (1), p. 133-138
Keywords: Coffee beans; Aspergillus ochraceus; Production; Ochratoxin.
- 54 Effect of *Xylella fastidiosa* in coffee plants at different edaphoclimatic regions/ Queiroz-Voltan-R-B...[et al.]
Bragantia, 2005, 64 (1), p. 89-100
Keywords: Coffee; Cultivars; Disease resistance; Petioles; Plant diseases; Plant pathogenic bacteria; Plant pathogens; Xylem
- 55 Environmental and socio-economic impacts of institutional reforms on the agricultural sector of Vietnam: land suitability assessment for Robusta coffee in the Dak Gan region/ D'haeze-D ... [et al.]
Agriculture, Ecosystems & Environment, 2005, 105 (1-2), p. 59-76
Keywords: Robusta coffee; Environmental impacts; Agricultural sector; Land suitability; Vietnam.
- 56 Environmental influences on the intrinsic outturn of coffee/ Gaspari-Pezzopane-C-de ...[et al.]
Bragantia, 2005, 64 (1), p. 39-50
Keywords: Attitude; Coffee; Environmental factors; Fruits; Outturn; Position; Ripening stage.
- 57 Esterase polymorphism in *Meloidogyne konaensis* / Sipes B S...[et al.]
Journal of Nematology, 2005, 37 (4), p. 438-443
Keywords: Coffee; Esterase polymorphism; Genetic variation; Host range; Meloidogyne konaensis; Parasitism; Root knot nematode; Selection.
- 58 Evaluation and selection of *Coffea arabica* F3 progenies with low height and the leaf-rust SH3 resistance gene/ da-Conceicao-A-S.,

Fazuoli-L-C., Braghini-M-T.

Bragantia, 2005, 64 (4), p. 547-559

Keywords: Coffea arabica; Evaluation; Selection; Progeny; Genes.

- 59 Evaluation of attractants in a hand-made trap for monitoring and control of the coffee berry borer *Hypothenemus hampei* (Ferrari)/ Fernandez-S., Cordero-J.

Bioagro, 2005, 17 (3), p. 143-148

Keywords: Bottles; Coffee; Coffee pulp; Ethanol; Insect attractants; Insect control; Insect pests; Methanol; Pest control; Plant extracts; Plant pests; Plastics; Powders; Sugarcane; Trapping; Traps; Vinegar.

- 60 Evaluation of the cultivars Mundo Novo, Bourbon Amarelo and Bourbon Vermelho of *Coffea arabica* L., in campinas, State of Sao Paulo, Brazil / Fazuoli-L-C...[et al.]

Bragantia, 2005, 64 (4), p. 533-546

Keywords: Coffea Arabica, Varieties; Brazil.

- 61 Factors driving land use change: effects on watershed functions in a coffee agroforestry system in Lampung, Sumatra/ Verbist-B., Putra-A-E-D., Budidarsono-S.

Agricultural Systems, 2005, 85 (3), p. 254-270

Keywords: Agricultural development; Agroforestry systems; Case studies; Catchment hydrology; Coffee; Dams; Deforestation; Environmental impac; Forests; Hydraulic power; Infrastructure; Land use; Local population; Logging; Opinions; Politics; Shadetrees; Tropical forests; Water power; Watersheds.

- 62 Fluctuation of leaf miner population in resistant arabica coffee cultivars to leaf rust/ Conceicao-C-H-C., Guerreiro-Filho-O., Goncalves-W.

Bragantia, 2005, 64 (4), p. 625-631

Keywords: Arabica coffee, Varieties; Defence mechanisms; Pathogenesis

- 63 Gas exchange and chlorophyll fluorescence in six Coffee cultivars under aluminum stress/ Konrad-M-L-F...[et al.]

Bragantia, 2005, 64 (3), p. 339-347

Keywords: Coffea arabica; Aluminum toxicity; Photosynthesis; Stomatal conductance; Photosynthesis induction.

- 64 Governing the coffee chain: the role of voluntary regulatory systems/ Muradian-R., Pelupessy-W.

World Development, 2005, 33 (12), p. 2029-2044

Keywords: Certification; Coffee; Coordination; International trade; Marketing; Regulation

- 65 Groundwater extraction for irrigation of Coffea canephora in Ea Tul watershed, Vietnam - a risk evaluation/ D'Haeze-D...[et al.]

Agricultural Water Management, 2005, 73 (1), p. 1-19

Keywords: Coffea; Irrigation; Groundwater; Evaluation.

- 66 Growth, photosynthesis and mineral composition of Coffea germplasm with potential as rootstock/ Alfonsi-E-L...[et al.]

Bragantia, 2005, 64 (1), p. 1-13

Keywords: Boron; Coffee; Copper; Gas exchange; Germplasm Growth; Leaf conductance; Leaves; Manganese; Mineral content; Mineral uptake; Nutrient availability; Nutrient content; Nutrient uptake; Phosphorus; Photosynthesis; Plant nutrition; Potassium; Roots; Rootstocks; Shoots; Soil water content; Stomata; Transpiration; Water availability; Zinc.

- 67 Hypersensitive like reaction conferred by the Mex 1 resistance gene against *Meloidogyne exigua* in coffee/ Anthony-F ...[et al.]

Plant Pathology, 2005, 54 (4), p. 476-482

Keywords: Coffee; Cultivars ;Cytoplasm; Genes; Organelles;

Pest resistance; Plant parasitic nematodes; Plant pests; Reproductive behaviour; Root systems.

- 68 Impacts of prices and transactions costs on input usage in a liberalizing economy: evidence from Tanzanian coffee growers/ Winter-Nelson-A., Temu-A.
Agricultural Economics, 2005, 33 (3), p. 243-253
Keywords: Coffee; Farm inputs; Fertilizers; Prices; Surveys.
- 69 In the market but not of it: Fair Trade coffee and Forest Stewardship Council certification as market-based social change/ Taylor-P-L.
World Development, 2005, 33 (1), p. 129-147
Keywords: Certification; Coffee; Community forestry; Economic sociology; Forest management; Forests; International trade; Markets; Non governmental organizations; Social change; Welfare economics.
- 70 In vitro antioxidant activity of coffees brewed using different procedures (Italian, espresso and filter) / Sanchez-Gonzalez-I., Jimenez-Escrig-A., Saura-Calixto-F.
Food Chemistry, 2005, 90 (1-2), p. 133-139
Keywords: Coffee; In vitro; Antioxidant, Process control.
- 71 Macronutrients in leaves and fruits of dwarf arabica coffee cultivars/ Valarini-V., Bataglia-O-C., Fazuoli-L-C.
Bragantia, 2005, 64 (4), p. 661-672
Keywords: Leaf analysis; Coffee cultivars; Nutrient remobilization.
- 72 Minimal clean-up and rapid determination of polycyclic aromatic hydrocarbons in instant coffee / Garcia-Falcon-M-S., Cancho-Grande-B., Simal-Gandara-J.
Food Chemistry, 2005, 90 (4), p. 643-647
Keywords: Coffee; Aromatic compounds.
- 73 Morphological and molecular evaluation of a *Meloidogyne hapla*

population damaging coffee (*Coffea arabica*) in Maui, Hawaii / Handoo-Z-A ...[et al.]

Journal of Nematology, 2005, 37 (2), p. 136-145

Keywords: Coffea arabica, Meloidogyne; Damage; Hawaii.

- 74 Physical and chemical attributes of defective crude and roasted coffee beans/ Franca-A-S ...[et al.]

Food Chemistry, 2005, 90 (1-2), p. 89-94

Keywords: Beverage quality; Caffeine; Chemical properties; Chlorogenic acid; Coffee; Physical properties; Roasting; Trigonelline.

- 75 Purification and characterisation of adenosine nucleosidase from *Coffea arabica* young leaves/ Campos-A...[et al.]

Phytochemistry, 2005, 66 (2), p. 147-151

Keywords: Coffee; Enzyme activity; Enzymes; Leaves; Nucleosidases.

- 76 Qualitative relationship between caffeine and chlorogenic acid contents among wild *Coffea* species/ Campa-C ...[et al.]

Food Chemistry, 2005, 93 (1), p. 135-139

Keywords : Coffea; Caffeine; Chlorogenic acid; Qualitative analysis

- 77 Rain, run off and soil erosion in shaded coffee agroforestry systems/ Perez-Nieto-J...[et al.]

Agrociencia, 2005, 39 (4), p. 409-418

Keywords: Agroforestry; Coffee; Erosion; Erosion control; Erosivity; Losses from soil; Multiple cropping; Nutrients; Precipitation; Rain; Run off; Soil conservation; Terracing; Vegetated strips.

- 78 Roast effects on coffee amino acid enantiomers/ Casal-S...[et al.]

Food Chemistry, 2005, 89 (3), p. 333-340

Keywords: Aspartic acid; Coffee; Enantiomers; Food safety; Free amino acids; Hydrolysis; Roasting.

- 79 Selling at the farmgate or traveling to market/ Fafchamps-M., Hill-R-V.
American Journal of Agricultural Economics, 2005, 87 (3), p. 717-734
Keywords: Coffee; Decision making; Marketing; Marketing channels.
- 80 Shade coffee agro-ecosystems in Mexico: a synopsis of the environmental services and socio-economic considerations/ Davidson-S.
Journal of Sustainable Forestry, 2005, p. 21 (1), p. 81-95
Keywords: Coffee; Shade; Agroecosystems; Services; Socio cultural environment, Mexico.
- 81 Solar and net radiation in a coffee crop grown unshaded and shaded by 'Prata Ana' banana plants/ Pezzopane-J-R-M., Pedro-Junior-M-J., Gallo-P-B.
Bragantia, 2005, 64 (3), p. 485-497
Keywords: Solar radiation; Microclimate; Shadding; Coffea arabica
- 82 Standards as a new form of social contract? Sustainability initiatives in the coffee industry/ Giovannucci-D., Ponte-S.
Food Policy, 2005, 30 (3), p. 284-301
Keywords: Case studies; Certification; Coffee; Coffee industry; Food policy; Government policy; Interest groups; Standards; Sustainability; Target groups.
- 83 Susceptibility valuation to *Xylella fastidiosa* in different coffee species/ Queiroz-Voltan-R-B ...[et al.]
Bragantia, 2005, 64 (4), p. 615-624
Keywords: Coffee; Varieties; Valuation; Xylella fastidiosa.
- 84 The behavior of coffee cultivars under different plant densities/ Paulo-E-M, Furlani-Junior-E, Fazuoli-L-C .

Bragantia, 2005, 64 (3), p. 397-409

Keywords:Coffee; *Coffea arabica* L; Density of the plants;
Competition.

- 85 The effect of Roasting on the presence of bioactive amines in coffees of different qualities / Oliveira-S-D...[et al.]

Food Chemistry, 2005, 90 (1-2), p. 287-291.

Keywords:Amines; Coffee; Degradation; Drying; Histamine;
Putrescine; Roasting; Spermidine; Spermine;
Tryptamine; Tyramine.

- 86 The rise and decline of rent-seeking activity in the Brazilian coffee sector : lessons from the imposition and removal of coffee export quotas/ Jarvis-L.

World Development, 2005, 33 (11), p. 1881-1903

Keywords: Coffee; Rent; Export policies; Brazil.

- 87 Two-dimensional thin-layer chromatographic method for the analysis of ochratoxin A in green coffee/ Ventura-M...[et al.]

Journal of Food Protection, 2005, 68 (9), p. 1920-1922

Keywords: Coffee; Methods; Analysis; Ochratoxin;
Chromatography

- 88 Variability of *Meloidogyne exigua* on coffee in the Zona da Mata of Minas Gerais state, Brazil/ Oliveira-D-S...[et al.]

Journal of Nematology, 2005, 37 (3), p. 323-327

Keywords: Parasitology; Horticulture; Agriculture superoxide
dismutase; Malate dehydrogenase ; Esterase;
Glutamate oxaloacetate transaminase; EC 2.6.1.1
root knot; Parasitic disease phenotype; Perineal
pattern.

2006

PROQUEST

- 89 A new species of *Keetia* (*Rubiaceae-Vanguerieae*) from Western Cameroon / Martin Cheek.
Kew Bulletin. Richmond: 2006. Vol. 61, Iss. 4; p. 591 (4 pages).
Keywords : Rubiaceae; Cameroon; Species.
- 90 Carbon gain in *Coffea arabica* during clear and cloudy days in the wet season / J C Ronquim...[et al.]
Experimental Agriculture. Cambridge: Apr 2006. Vol. 42, Iss. 2; p. 147 (18 pages)
Keywords : Carbon; Coffea arabica; Wet season.
- 91 Decaf doesn't mean caffeine-free / Anonymous.
Tufts University Health & Nutrition Letter. New York: Dec 2006. Vol. 24, Iss. 10; p. 3.
Keywords: Decaffeination; Caffeine; Free radical.
- 92 Differential responses of *Coffea arabica* L. leaves and roots to chemically induced systemic acquired resistance / Barbara De Nardi... [et al.]
Genome. Ottawa: Dec 2006. Vol. 49, Iss. 12; p. 1594 (12 pages).
Keywords: Coffea Arabica; Leaves roots; Systemic action; Resistance chemicals.
- 93 Does coffee consumption reduce the risk of type 2 diabetes in individuals with impaired glucose? / Besa Smith...[et al.]
Diabetes Care. Alexandria: Nov 2006. Vol. 29, Iss. 11; p. 2385 (6 pages)
Keywords: Coffee; Consumption; Low calorie foods; Diabetes; Glucose.
- 94 Elaborate petals in Australian *Spermacoce* (*Rubiaceae*) species: morphology, ontogeny and function / Elly Vaes...[et al.]
Annals of Botany. Oxford: Dec 15, 2006. Vol. 98, Iss. 6; p. 1167
Keywords:Corolla; Rubiaceae; Australian regions; Biological development; Diagnosis
- 95 Isolation and characterization of cDNA encoding three dehydrins

expressed during *Coffea canephora* (Robusta) grain development / Cecile Hinniger...[et al.]

Annals of Botany. Oxford: May 19, 2006. Vol. 97, Iss. 5; p. 755

Keywords: Isolation; DNA; Grain; Coffea

- 96 Joint association of coffee consumption and other factors to the risk of type 2 diabetes: a prospective study in Finland / G Hu...[et al.]

International Journal of Obesity. London: Dec 2006. Vol. 30, Iss. 12; p. 1742

Keywords : Coffee; Consumption; Risk; Diabetes; Finland

SCIENCE DIRECT

- 97 An alpha-amylase inhibitor gene from *Phaseolus coccineus* encodes a protein with potential for control of coffee berry borer (*Hypothenemus hampei*) / Railene de Azevedo Pereira...[et al.]
Phytochemistry, Volume 67, Issue 18, September 2006, p. 2009-2016, ISSN 0031-9422.

Keywords: Coffee; Antioxidant; Amylases; Genes; Hypothenemus hampei ; Phaseolus coccineus; Proteins; Control method

- 98 An assessment of nodulation and nitrogen fixation in inoculated *Inga oerstediana*, a nitrogen-fixing tree shading organically grown coffee in Chiapas, Mexico/ J.M. Grossman...[et al.]
Soil Biology and Biochemistry, Volume 38, Issue 4, April 2006, p. 769-784, ISSN 0038-0717,

Keywords: Chiapas; Coffee; Mexico; Organic; Nitrogen fixation; Root nodule bacteria; Agroforestry; Leguminous trees; Inga

- 99 Antioxidant content of mild, medium, and dark home roasted coffee beans compared with commercial brand coffees/ C.E. Prince...[et al.]

Journal of the American Dietetic Association, Volume 106, Issue 8, Supplement 1, ADA FNCE Food & Nutrition Conference & Expo 2006, August 2006, p. A43, ISSN 0002-8223.

Keywords: Coffee; Trade marks; Coffee beans; Roasted; Antioxidant.

- 100 Bat diversity in montane rainforest and shaded coffee under different management regimes in southeastern Chiapas, Mexico / Carlos Garcia Estrada...[et al.]

Biological Conservation, Volume 132, Issue 3, October 2006, p. 351-361, ISSN 0006-3207.

Keywords: Bats; Alpha and beta diversity; Montane rainforest; Coffee plantations

- 101 Caffeine biosynthesis and adenine metabolism in transgenic *Coffea canephora* plants with reduced expression of N methyltransferase genes / Hiroshi Ashihara...[et al.]

Phytochemistry, Volume 67, Issue 9, May 2006, p. 882-886, ISSN 0031-9422.

Keywords: Coffea canephora; Rubiaceae; Coffee; Transgenic plants; RNAi; Caffeine Biosynthesis; N methyltransferase; Purine metabolism.

- 102 Changes in content and biosynthetic activity of caffeine and trigonelline during growth and ripening of *Coffea arabica* and *Coffea canephora* fruits / Yukiko Koshiro...[et al.]

Plant Science, Volume 171, Issue 2, August 2006, p. 242-250, ISSN 0168-9452.

Keywords: Biosynthesis; Caffeine; Coffee; Fruits development; Gene expression; Trigonelline.

- 103 Chemical cues used in host location by *Phymastichus coffea*, a parasitoid of coffee berry borer adults, *Hypothenemus hampei* / Julio C. Rojas, Alfredo Castillo, Armando Virgen.

Biological Control, Volume 37, Issue 2, May 2006, p. 141-147, ISSN 1049-9644.

Keywords: Host location; Phymastichus coffea; Specialist parasitoid; Hypothenemus hampei; Coffee; Chemical cues; Dust/frass.

- 104 Coffee inhibits the reactivation of glucocorticoids by 11beta-hydroxysteroid Dehydrogenase type 1: A glucocorticoid connection in the anti-diabetic action of coffee? / Atanas G. Atanasov ...[et al.]
FEBS Letters, Volume 580, Issue 17, 24 July 2006, p. 4081-4085, ISSN 0014-5793.

Keywords: 11beta-Hydroxysteroid; Dehydrogenase; Glucocorticoid; Coffee; Cortisol; Diabetes

- 105 Coffee, tea, cigarettes and body weight/ P.J. Rogers ...[et al.]
Appetite, Volume 47, Issue 2, September 2006, p. 275, ISSN 0195-6663.

Keywords: Coffee; Tea; Tobacco; Body weight.

- 106 Correlation between cup quality and chemical attributes of Brazilian coffee/ A. Farah...[et al.]
Food Chemistry, Volume 98, Issue 2, 2006, p. 373-380, ISSN 0308-8146.

Keywords: Coffee quality; Rio off flavor; Chlorogenic acid; Trigonelline; Caffeine

- 107 Difuctose anhydrides as quality markers of honey and coffee/ A. Montilla...[et al.]
Food Research International, Volume 39, Issue 7, August 2006, p. 801-806, ISSN 0963-9969.

Keywords: Difuctose anhydrides; Caramelization; Honey; Coffee; Authenticity; Torrefacto

- 108 Do you like the sight or the feel of milk in coffee? Ecology and effortful attention in differential acuity and preference for sensed effects of milk substitute in vended coffee/ Nicola J. Richardson-Harman, David A. Booth.
Appetite, Volume 46, Issue 2, March 2006, p. 130-136, ISSN

0195-6663.

Keywords: Milkiness; Creaminess; White coffee appearance; Creamy mouthfeel; Intersensory balance; Directed attention

- 109 Effects of long-term soil drought on photosynthesis and carbohydrate metabolism in mature robusta coffee (*Coffea canephora* Pierre var. kouillou) leaves/ Sidney C. Praxedes...[et al.]

Environmental and Experimental Botany, Volume 56, Issue 3, July 2006, p. 263-273.

Keywords: Carbon metabolism; Chlorophyll fluorescence; Coffee; Gas exchange; Sucrose phosphate synthase; Water deficit.

- 110 Effects of wild coffee management on species diversity in the Afromontane rainforests of Ethiopia/ Feyera Senbeta, Manfred Denich.

Forest Ecology and Management, Volume 232, Issues 1-3, 15 August 2006, p. 68-74, ISSN 0378-1127.

Keywords: Biodiversity; Conservation; Deforestation; Forest coffee; Floristic composition; Management practices

- 111 Emergy evaluation on the production, processing and export of coffee in Nicaragua/ M. Cuadra, T. Rydberg.

Ecological Modelling, Volume 196, Issues 3-4, 25 July 2006, p. 421-433, ISSN 0304-3800,

Keywords: Coffee; Emergy analysis; Trade; Sustainability; Emergy exchange ratio; Nicaragua

- 112 Espresso Coffee - The Science of Quality (2nd ed.)/ Massimo Marcone, Andrea Illy, Rinantonio Viani, Editors.

Elsevier Academic Press (2005) ISBN 0-12-370371-9., *Food Research International*, Volume 39, Issue 2, March 2006, p. 256, ISSN 0963-9969.

Keywords: Coffee; Quality.

- 113 Fundamentals of spray freezing of instant coffee / C.S. MacLeod...[et al.]
Journal of Food Engineering, Volume 74, Issue 4, June 2006, p. 451-461, ISSN 0260-8774.
Keywords: Spray freezing; Coffee; Nucleation; NMR.
- 114 Fungal colonization and biochemical changes in coffee beans undergoing monsooning/ Babitha Tharappan, Rasheed Ahmad.
Food Chemistry, Volume 94, Issue 2, January 2006, p. 247-252, ISSN 0308-8146.
Keywords: Coffee; Monsooning; Mycoflora; Protein; Phenolics; Reducing sugars; Tannin
- 115 Improvement of hypertension and vascular dysfunction by hydroxyhydroquinone-free coffee in a genetic model of hypertension / Atsushi Suzuki...[et al.]
FEBS Letters, Volume 580, Issue 9, 17 April 2006, p. 2317-2322, ISSN 0014-5793.
Keywords: Blood pressure; Chlorogenic acid; Nitric oxide; Spontaneously hypertensive rat; Vasodilation
- 116 Influence of torrefacto roast on antioxidant and pro oxidant activity of coffee / Isabel Lopez-Galilea...[et al.]
Food Chemistry, Volume 94, Issue 1, January 2006, p. 75-80, ISSN 0308-8146.
Keywords: Coffee; Antioxidant activity; Pro oxidant activity; Torrefacto roast; Colour; Maillard reaction
- 117 Interactions among bethylid parasitoid species attacking the coffee berry borer, *Hypothenemus hampei* (Coleoptera: Scolytidae) / Tim P. Batchelor, Ian C.W. Hardy, Juan F. Barrera.
Biological Control, Volume 36, Issue 1, January 2006, p. 106-118, ISSN 1049-9644.
Keywords: Bethyidae; Cephalonomia stephanoderis; Cephalonomia hyalinipennis; Prorops nasuta;

**Coffee berry borer; Hypothenemus hampei;
Intra and interspecific resource competition;
Multiple versus single species release.**

- 118 Invasion of *Coffea arabica* (Linn.) by *Cuscuta jalapensis* (Schlecht): in situ activity of peroxidase / L. Lopez-Curto, J. Marquez-Guzman, D.M. Diaz-Pontones.
Environmental and Experimental Botany, Volume 56, Issue 2, June 2006, p. 127-135, ISSN 0098-8472.
Keywords: Peroxidase; Cuscuta jalapensis; Coffea arabica; Invasion; Histochemistry.
- 119 Investigation of the retronasal flavour release during the consumption of coffee with additions of milk constituents by Oral breath sampling / M. Denker...[et al.]
Food Chemistry, Volume 98, Issue 2, 2006, p. 201-208, ISSN 0308-8146.
Keywords: Oral breath sampling; Retronasal; Casein; Whey proteins; Milk fat
- 120 Litter layer residence time in forest and coffee agroforestry systems in Sumberjaya, West Lampung/ Kurniatun Hairiah...[et al.]
Forest Ecology and Management, Volume 224, Issues 1-2, Catchment Processes in Southeast Asia, 15 March 2006, p. 45-57, ISSN 0378-1127.
Keywords: Litter thickness; Ecosystem engineer; Macroporosity; Litter residence time; Forest conversion
- 121 Monitoring of the early molecular resistance responses of coffee (*Coffea arabica* L.) to the rust fungus (*Hemileia vastatrix*) using real-time quantitative RT-PCR / D. Ganesh...[et al.]
Plant Science, Volume 170, Issue 6, June 2006, p. 1045-1051, ISSN 0168-9452.
Keywords: Plant pathogen interactions; Coffee rust; Disease resistance; WRKY transcription factor; Abiotic stresses; NDR1.

- 122 Oleosin gene family of *Coffea canephora*: Quantitative expression analysis of five oleosin genes in developing and germinating coffee grain / Andrew J. Simkin...[et al.]
Journal of Plant Physiology, Volume 163, Issue 7, 3 May 2006, p. 691-708, ISSN 0176-1617.
Keywords: Coffea; Grain; Oil body; Oleosin; Steroleosin.
- 123 Pectin degrading enzymes in yeasts involved in fermentation of *Coffea arabica* in East Africa/ Wafa Masoud, Lene Jespersen.
International Journal of Food Microbiology, Volume 110, Issue 3, 1 August 2006, p. 291-296, ISSN 0168-1605.
Keywords: Coffee; Pichia anomala; Pichia kluyveri; Hanseniaspora uvarum; Polygalacturonase
- 124 Phylogenetic origins of African and Neotropical *Beauveria bassiana* s.l. pathogens of the coffee berry borer/ Stephen A. Rehner...[et al.]
Journal of Invertebrate Pathology, Volume 93, Issue 1, September 2006, p. 11-21, ISSN 0022-2011.
Keywords: Beauveria bassiana; Hypothenemus hampei; Coffee berry borer; Coffee; Biogeography; Phylogeny; EF1 alpha; Nuclear intergenic regions; EFutr; Bloc.
- 125 Polyphenoloxidase activity in coffee leaves and its role in resistance against the coffee leaf miner and coffee leaf rust/ Geraldo Acelcio Melo, Milton Massao Shimizu, Paulo Mazzafera.
Phytochemistry, Volume 67, Issue 3, February 2006, p. 277-285, ISSN 0031-9422.
Keywords: Coffea; Coffee; Rubiaceae; Hemilea vastatrix; Leucoptera coffeella; Phenolic compounds; Plant resistance; Polyphenoloxidase
- 126 Proximate composition and fatty acids profile of green and roasted defective coffee beans/ Leandro S. Oliveira...[et al.]

LWT - Food Science and Technology, Volume 39, Issue 3, April 2006, p. 235-239, ISSN 0023-6438.

Keywords: Defective coffee beans; Coffee oil quality; Roasted; Proximate composition; Fatty acids.

- 127 Study of colour and acrylamide formation in coffee, wheat flour and potato chips during heating / Vural Gokmen, Hamide Z. Senyuva.

Food Chemistry, Volume 99, Issue 2, 2006, p. 238-243, ISSN 0308-8146.

Keywords: Acrylamide; Colour; Heating; Green coffee; Wheat flour; Potato chips

- 128 The economic value of coffee (*Coffea arabica*) genetic resources / Lars Hein, Franz Gatzweiler.

Ecological Economics, Volume 60, Issue 1, 1 November 2006, p. 176-185, ISSN 0921-8009.

Keywords: Coffea arabica; Genetic resources; Coffee; Damage costs; Economic value; Ethiopia

- 129 The effect of an ant-hemipteran mutualism on the coffee berry borer (*Hypothenemus hampei*) in southern Mexico/ Ivette Perfecto, John Vandermeer.

Agriculture, Ecosystems & Environment, Volume 117, Issues 2-3, November 2006, p. 218-221, ISSN 0167-8809.

Keywords: Integrated pest management; Coffee; Natural enemies; Pest control; Shade trees; Mutualism; Ants

- 130 The effects of yeasts involved in the fermentation of *Coffea arabica* in East Africa on growth and ochratoxin A (OTA) production by *Aspergillus ochraceus*/ Wafa Masoud, Christa Hoj Kaltoft.

International Journal of Food Microbiology, Volume 106, Issue 2, 1 February 2006, p. 229-234, ISSN 0168-1605.

Keywords: Coffee; Pichia anomala; Pichia kluyveri; Hanseniaspora uvarum; Aspergillus ochraceus; OTA

- 131 The intensity of a coffee rust epidemic is dependent on production situations / J. Avelino...[et al.]
Ecological Modelling, Volume 197, Issues 3-4, 25 August 2006, p. 431-447, ISSN 0304-3800.
Keywords: *Coffea arabica*; *Hemileia vastatrix*; Climate; Soil; Crop management; Yield; Foliage; Disease control; Correspondence analysis; Cluster analysis; Segmentation tree; Honduras.
- 132 Transverse flow of coffee beans in rotating roasters / Helder P. Cristo...[et al.]
Journal of Food Engineering, Volume 75, Issue 1, July 2006, p. 142-148, ISSN 0260-8774.
Keywords: Coffee; Roasting; Physical properties; Rotating cylinder.
- 133 Water content determination in green coffee - Method comparison to study specificity and accuracy / C.T. Reh..[et al.]
Food Chemistry, Volume 96, Issue 3, 3rd International Workshop on Water in Foods, June 2006, p. 423-430, ISSN 0308-8146.
Keywords: Green coffee; Water content; Weight loss; Drying; Oven; Coffee.

TEEAL

- 134 A real options analysis of coffee planting in Vietnam/ Luong-Q-V. Tauer.
Agricultural Economics, 2006, 35 (1), p. 49-57
Keywords: Coffee; Costs; Crop enterprises; Decision making; Efficiency; Farm planning; Investment; Prices; Uncertainty.
- 135 An alpha amylase inhibitor gene from *Phaseolus coccineus*

encodes a protein with potential for control of coffee berry borer (*Hypothenemus hampei*) / Pereira-R-de-A...[et al.]

Phytochemistry, 2006, 67 (18), p. 2009-2016

Keywords: Alpha amylase; Cotyledons; Enzyme inhibitors; Enzymes; Gene expression; Genes; Genetic engineering; Genetic transformation; Insect pests; Plant pests; Tobacco.

- 136 An assessment of nodulation and nitrogen fixation in inoculated *Inga oerstediana*, a nitrogen-fixing tree shading organically grown coffee in Chiapas, Mexico / Grossman-J-M...[et al.]

Soil Biology & Biochemistry, 2006, 38 (4), p. 769-784

Keywords: Agroforestry; Agroforestry systems; Biomass; Biomass production; Coffee; Cropping systems; Intercropping; Leghaemoglobin; Messenger RNA; Nitrogen fixation ; Nitrogen fixing trees; Nodulation; Nodules; Organic farming; Rhizosphere; Rhizosphere bacteria; Root nodules; Roots; Shoots; Trees; Woody plants.

- 137 Caffeine biosynthesis and adenine metabolism in transgenic *Coffea canephora* plants with reduced expression of N methyltransferase genes / Ashihara H ...[et al.]

Phytochemistry, 2006, 67 (9), p. 882-886

Keywords: Adenine; Alkaloids; Antisense RNA; Biosynthesis; Caffeine; Chemical composition; Coffee; Gene expression; Genes; Genetically engineered organisms; Metabolism; Plant composition; RNA interference; Theobromine; Transgenic plants.

- 138 Coffee berry borer *Hypothenemus hampei* (Coleoptera: Curculionidae) : searching for sustainable control strategies / Jaramillo-J., Borgemeister-C., Baker-P.

Bulletin of Entomological Research, 2006, 96 (3), p. 223-233.

Keywords: Agroforestry systems; Bulk density; Catchment hydrology; Coffee; Conversion; Decomposition;

Forest litter; Forest soils; Land use; Macropores; Nitrogen fixing trees; Population density; Porosity; Shade trees; Shifting cultivation; Slope; Soil organic matter; Soil structure; Soil types; Trees; Watersheds; Woody plants.

- 139 Coffee inhibits the reactivation of glucocorticoids by 11 beta - hydroxysteroid Dehydrogenase type 1 : a glucocorticoid connection in the anti-diabetic action of coffee / Atanasov-A-G...[et al.]
FEBS Letters, 2006, 580 (17), p. 4081-4085
Keywords: Chemoreceptors; Coffee; Diabetes; Enzyme activity; Enzymes; Glucocorticoids; Hydrocortisone; Hydroxysteroid Dehydrogenase; Hypoglycaemic properties; Medicinal plants; Nuclei; Phosphoenolpyruvate carboxykinase; Plant extracts; Translocation.
- 140 Coffee progenies selection from the cross between 'Catuai' and 'Mundo Novo' in different regions of Minas Gerais State / Carvalho-G-R, Bartholo-G-F, Mendes-A-N-G.
Bragantia, 2006, 65 (4), p. 583-590
Keywords: Interaction; Environment genotype; Genetic breeding; Coffea arabica; Cultivars
- 141 Coffee seedling production in potting mixtures from different disinfestations methods / Miranda-G-R-B...[et al.]
Bragantia, 2006, 65 (2), p. 303-307
Keywords: Coffee; Disinfestation; Dry matter; Girth; Growing media; Growth; Leaf area; Methyl bromide; Plant height; Planting stock; Roots; Seedlings; Shoots; Solar collectors; Substrates.
- 142 Conservation payments under risk: a stochastic dominance approach / Benitez-P-C ...[et al.]
American Journal of Agricultural Economics, 2006, 88 (1), p. 1-15

Keywords: Agricultural policy; Agroforestry; Case studies; Coffee; Conservation; Environmental policy; Forests; Land use; Risk; Subsidies

- 143 Correlation between cup quality and chemical attributes of Brazilian coffee / Farah-A...[et al.]
Food Chemistry, 2006, 98 (2), p. 373-380

Keywords: Caffeic acid; Chemical properties; Coffee; Food quality ; Trigonelline

- 144 Differential responses of *Coffea arabica L.* leaves and roots to chemically induced systemic acquired resistance/ De-Nardi-Barbara...[et al.]
Genome, 2006, 49 (12), p. 1594-1605

Keywords: Molecular genetics; Biochemistry and molecular biophysics; Agronomy; Agriculture mRNA; Messenger RNA ; cDNA; Complementary DNA; Benzo(1,2,3)thiadiazole 7 carbothioic acid s methyl ester cDNA library; Systemic acquired resistance; Genbank sequence number.

- 145 Do domatia mediate mutualistic interactions between coffee plants and predatory mites / Matos-C-H-C...[et al.]
Entomologia Experimentalis et Applicata, 2006, 118 (3), p. 185-192

Keywords: Arthropod pests; Coffee; Leaves; Mutualism; Plant pests; Population density; Predators; Predatory mites; Prey; Survival

- 146 Do ethical consumers care about price? A revealed preference analysis of fair trade coffee purchases / Arnot-C., Boxall-P-C., Cash S.B.
Canadian Journal of Agricultural Economics, 2006, 54 (4), p. 555-565

Keywords: Behaviour; Coffee; Consumer behaviour; Prices; Purchasing habits

- 147 Effect of crop rotation on *Meloidogyne spp.* and *Pratylenchus spp.* populations in strawberry fields in Taiwan / Chen-P., Tsay-T-T.
Journal of Nematology, 2006, 38 (3), p. 339-344
Keywords: Cultural control; Maize; Nematode control; Pest control; Plant parasitic nematodes; Plant pests; Rice; Rotations; Strawberries
- 148 Farmer participation in market authorities of coffee exporting countries/ Coe-C-A.
World Development, 2006, 34 (12), p. 2089-2115
Keywords: Agricultural policy; Coffee; Exports; Farmers attitudes; International trade; Market prices; Marketing boards; Participation; Price formation; Producer prices; Trade liberalization; World markets.
- 149 Farmers attitudes regarding agrolandscape ecology : a regional comparison / Blesh-J-M., Barrett-G-W.
Journal of Sustainable Agriculture, 2006, 28 (3), p. 121-143
Keywords: Agroecological zones; Alternative farming; Extension; Farmers attitudes; Farming systems; Surveys; Sustainability
- 150 Field superparasitism by *Phymastichus coffea*, a parasitoid of adult coffee berry borer, *Hypothenemus hampei*/ Jaramillo-J, Borgemeister-C, Setamou.
Entomologia Experimentalis et Applicata, 2006, 119 (3), p. 231-237
Keywords: Age; Coffee; Hyperparasitism; Insect pests; Oviposition; Parasitoids; Plant pests; Position.
- 151 Fungal colonization and biochemical changes in coffee beans undergoing monsooning / Babitha-Tharappan, Rasheed-Ahmad
Food Chemistry, 2006, 94 (2), p. 247-252
Keywords: Chemical composition; Coffee; Food contamination; Microbial contamination;

- Phenolic compounds; Phenols; Protein content;
Reducing sugars; Tannin.**
- 152 Influence of torrefacto roast on antioxidant and pro oxidant activity of coffee / Lopez-Galilea-I...[et al.]
Food Chemistry, 2006, 94 (1), p. 75-80
Keywords: Antioxidant; Coffee; Food processing; Roasting.
- 153 Investigation of the retronasal flavour release during the consumption of coffee with additions of milk constituents by 'Oral breath sampling'/ Denker-M...[et al.]
Food Chemistry, 2006, 98 (2), p. 201-208
Keywords: Aroma; Casein; Coffee; Flavour; Flavour compounds; Milk fat; Nose; Whey
- 154 Litter layer residence time in forest and coffee agroforestry systems in Sumberjaya, West Lampung/ Hairiah-K...[et al.]
Forest Ecology and Management, 2006, 224 (1-2), p. 45-57
Keywords: Agroforestry systems ; Bulk density; Catchment hydrology; Coffee; Conversion; Decomposition; Forest litter; Forest soils; Land use; Macropores; Nitrogen fixing trees; Population density; Porosity; Shade trees; Shifting cultivation; Slope; Soil; Soil organic matter; Soil structure; Soil types; Trees; Watersheds; Woody plants.
- 155 Optimum spacing of pheromone traps for monitoring the coffee leaf miner *Leucoptera coffeella* / Bacca-T...[et al.]
Entomologia Experimentalis et Applicata, 2006, 119 (1), p. 39-45
Keywords: Attractants; Insect pests; Monitoring; Pheromone traps; Plant pests; Sex pheromones.
- 156 Optimum spacing of pheromone traps for monitoring the coffee leaf miner *Leucoptera coffeella* / Bacca-T. Lima-E-R...[et al.]
Entomologia Experimentalis et Applicata, 2006, 119 (1), p. 39-45
Keywords: Attractants; Insect pests; Monitoring; Pheromone

traps; Plant pests; Sex pheromones.

- 157 Perennial crop supply response functions : the case of Indian rubber, tea and coffee / Parmod-Kumar. Anil-Sharma
Indian Journal of Agricultural Economics, 2006, 61 (4), p. 630-646
Keywords: Acreage; Coffee; Prices; Production; Rubber; Supply response; Tea
- 158 Phylogenetic origins of African and Neotropical *Beauveria bassiana* s.l. pathogens of the coffee berry borer, *Hypothenemus hampei* / Rehner-Stephen-A...[et al.]
Journal of Invertebrate Pathology, 2006, 93 (1), p.11-21.
Keywords: Infection; Molecular genetics; Biochemistry and molecular biophysics; Genetics gene; Allele genetic difference; Phylogenetic origin.
- 159 Polyphenoloxidase activity in coffee leaves and its role in resistance against the coffee leaf miner and coffee leaf rust/ Melo-G-A., Shimizu-M-M., Mazzafera-P.
Phytochemistry, 2006, 67 (3), p. 277-285
Keywords: Catechol oxidase; Coffee; Disease resistance; Enzyme activity; Enzymes; Fungal diseases; Genotypes; Insect pests; Leaves; Methyl jasmonate; Pest resistance; Phenolic compounds; Plant diseases; Plant growth regulators; Plant pathogenic fungi; Plant pathogens; Plant pests.
- 160 Productivity of grafted coffee during intercropping with five leguminous species in the western region of Sao Paulo State, Brazil/ Paulo-E-M...[et al.]
Bragantia, 2006, 65 (1), p. 115-120
Keywords: Coffee; Correlation; Crop yield; Intercropping; Intercrops; Pigeon peas; Soyabeans; Stems; Sunn hemp.
- 161 Prune efficiency in the control of *Xylella fastidiosa* in coffee

trees / Queiroz Voltan-R-B., Cabral-L-P., Paradela-Filho-O.
Bragantia, 2006, 65 (3), p. 433-440

**Keywords: Coffea arabica; Xylella fastidiosa; Xylem
obliteration; Disease control; Pruning techniques.**

162 Root distribution of fertirrigated coffee trees in Campinas, State
of Sao Paulo, Brazil / Barreto-C-V-G.
Bragantia, 2006, 65 (4), p. 641-647

Keywords: Root; Irrigation; Coffea arabica.

163 Selection of progenies of *Coffea arabica* with simultaneous
resistance to bacterial blight and leaf rust/ Petek-M-R...[et al]
Bragantia, 2006, 65 (1), p. 65-73.

**Keywords: Coffee; Cultivars; Disease resistance; Fungal
diseases; Plant disease control; Plant pathogenic
bacteria; Plant pathogenic fungi; Plant
pathogens; Selection.**

164 Study of colour and acrylamide formation in coffee, wheat flour
and potato chips during heating / Gokmen-V., Senyuva-H-Z.
Food Chemistry, 2006, 99 (2), p. 238-243

**Keywords: Acrylamide; Coffee; Colour; Crisps; Heating;
Kinetics; Temperature; Wheat flour.**

165 The production efficiency of intercropping annual and perennial
crops in southern Ethiopia : a comparison of distance functions
and production frontiers / Alene-A-D., Manyong-V-M.,
Gockowski J.

Agricultural Systems, 2006, 91 (1-2), p. 51-70

**Keywords: Coffee; Crop production; Intercropping; Land
use; Maize; Methodology; Techniques.**

166 The production efficiency of intercropping annual and perennial
crops in southern Ethiopia : a comparison of distance functions
and production frontiers / Alene-A-D., Manyong-V-M.,
Gockowski-J.

Agricultural Systems, 2006, 91 (1-2), p. 51-70

Keywords: Coffee; Crop production; Intercropping; Land use; Maize; Methodology; Techniques.

- 167 Water content determination in green coffee - method comparison to study specificity and accuracy/ Reh-C-T., Gerber-A., Prodolliet-J. Vuataz.
Food Chemistry, 2006, 96 (3), p. 423-430
Keywords: Accuracy; Analytical methods; Coffee; Determination; Drying; Methodology; Reference standards; Spectroscopy; Water content.

2007

PROQUEST

- 168 2001: A household analysis of huastec maya agriculture and land use at the height of the coffee crisis / Alexandra Gisele Ponette-González.
Human Ecology. New York: Jun 2007. Vol. 35, Iss. 3; p. 289 (13 pages)
Keywords : Coffee; Household; Statistical methods; Agriculture; Land use.
- 169 Advances in coffee tissue culture and its practical applications / Nancy Santana-Buzzy...[et al.]
In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2007. Vol. 43, Iss. 6; p. 507 (14 pages)
Keywords : Coffee; Tissue culture; Applications methods.
- 170 Columbia rebrands coffee concept / Anonymous.
Foodservice Director. New York: Nov 15, 2007. Vol. 20, Iss. 11; p. 4 (1 page)
Keywords : Coffee; Trade mark; Colombia.

- 171 Influence of different ethylene inhibitors on somatic embryogenesis and secondary embryogenesis from *Coffea canephora* P ex Fr. / Vinod Kumar, A Ramakrishna, G A Ravishankar.
In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2007. Vol. 43, Iss. 6; p. 602 (6 pages)
Keywords : Coffea canephora; Ethylene; Somatic embryogenesis; Embrionic development.
- 172 Introgressive hybridization between the allotetraploid *Coffea arabica* and one of its diploid ancestors, *Coffea canephora*, in an exceptional sympatric zone in New Caledonia / L Mahé...[et al.]
Genome. Ottawa: Mar 2007. Vol. 50, Iss. 3; p. 316 (9 pages)
Keywords : Coffea canephora ; Coffea arabica; Hybridization; New Caledonia.
- 173 Production efficiency and diversification in Mexican Coffee-Producing Districts / Dmitry Vedenov, Jack Houston, Gabriela Cardenas.
Journal of Agricultural and Applied Economics. Athens: Dec 2007. Vol. 39, Iss. 3; p. 749 (15 pages)
Keywords : Coffee; Production; Efficiency; Diversification; Mexico.
- 174 The Structure of Two N Methyltransferases from the Caffeine Biosynthetic Pathway1WOA / Andrew A McCarthy, James G McCarthy.
Plant Physiology. Rockville: Jun 2007. Vol. 144, Iss. 2; p. 879 (11 pages)
Keywords : Caffeine; Transferases.
- 175 Towards a phylogeny for coffea (*Rubiaceae*): Identifying Well-supported Lineages Based on Nuclear and Plastid DNA Sequences / Olivier Maurin...[et al.]
Annals of Botany. Oxford: Dec 2007. Vol. 100, Iss. 7; p. 1565 (19

pages)

**Keywords : Coffea; Phylogeny; Rubiaceae; Plastid; DNA;
Nuclear energy.**

SCIENCE DIRECT

- 176 Aerodynamic properties of coffee cherries and beans / P.C. Afonso Junior...[et al.]
Biosystems Engineering, Volume 98, Issue 1, September 2007, p. 39-46, ISSN 1537-5110.
Keywords : Coffee; Coffee beans.
- 177 Agroforestry management as an adaptive strategy against potential microclimate extremes in coffee agriculture/ Brenda B. Lin.
Agricultural and Forest Meteorology, Volume 144, Issues 1-2, 14 May 2007, p. 85-94, ISSN 0168-1923.
Keywords: Adaptive management; Agroforestry systems; Climate change; Coffee agriculture; Microclimate management; Soil moisture fluctuation
- 178 Allantoin has a limited role as nitrogen source in cultured coffee cells/ Silvia B. Filippi...[et al.]
Journal of Plant Physiology, Volume 164, Issue 5, 3 May 2007, p. 544-552, ISSN 0176-1617.
Keywords: Caffeine; Coffea arabica; Glutamine synthetase; Nitrogen; Ureides
- 179 An examination of consumer exposure to caffeine from retail coffee outlets/ Ben Desbrow ...[et al.]
Food and Chemical Toxicology, Volume 45, Issue 9, September 2007, p. 1588-1592, ISSN 0278-6915.
Keywords: Caffeine; Coffee; Variability; Consumer

exposure.

- 180 Analysis of the heat and mass transfer during coffee batch Roasting / J.A. Hernandez ...[et al.]
Journal of Food Engineering, Volume 78, Issue 4, February 2007, p. 1141-1148, ISSN 0260-8774.
Keywords: Heat and mass transfer; Coffee Roasting; On line measures.
- 181 Antioxidant capacity of coffees of several origins brewed following three different procedures/ P. Parras ...[et al.]
Food Chemistry, Volume 102, Issue 3, 2007, p. 582-592, ISSN 0308-8146.
Keywords: Free radical; Antioxidant; Coffee; Coffee brewing; Procedures; Origins
- 182 Application of solid phase extraction to brewed coffee caffeine and organic acid determination by UV/HPLC/ Carla Isabel Rodrigues...[et al.]
Journal of Food Composition and Analysis, Volume 20, Issue 5, August 2007, p. 440-448, ISSN 0889-1575.
Keywords: Organic acids; Caffeine; Brewed coffee; UV/HPLC; Solid phase extraction.
- 183 Application of the SAFES (systematic approach to food engineering systems) methodology to roasted coffee process/ P.J. Fito ...[et al.]
Journal of Food Engineering, Volume 83, Issue 2, EFFoST 2005 Annual Meeting: Innovations in Traditional Foods, November 2007, p. 211-218, ISSN 0260-8774.
Keywords: Coffe; Roasting coffee; SAFES; Pyrolysis.
- 184 Biodiversity, profitability, and vegetation structure in a Mexican coffee agroecosystem/ Caleb Gordon ...[et al.]
Agriculture, Ecosystems & Environment, Volume 118, Issues 1-4, January 2007, p. 256-266, ISSN 0167-8809
Keywords: Coffee; Agroecology; Birds; Mammals;

Economics; Mexico.

- 185 Changes in particles of coffee powder and extensions to caking/
P. Saragoni, J.M. Aguilera, P. Bouchon ...[et al.]
Food Chemistry, Volume 104, Issue 1, 2007, p. 122-126, ISSN
0308-8146.
**Keywords: Caking; Glass transition; Coffee powder;
Microscopy; Kinetics.**
- 186 Characterization of water mobility in dry and wetted roasted
coffee using low-field proton nuclear magnetic resonance / M.-
L. Mateus ...[et al.]
Journal of Food Engineering, Volume 81, Issue 3, August 2007,
p. 572-579, ISSN 0260-8774.
**Keywords: Roasted coffee; Water mobility; Spin spin
relaxation.**
- 187 Chemical effects on the soil-plant system in a secondary treated
wastewater irrigated coffee plantation - A pilot field study in
Brazil / Uwe Herpin...[et al.]
Agricultural Water Management Volume 89, Issues 1-2, 16
April 2007, p. 105-115, ISSN 0378-3774
**Keywords: Treated wastewater; Recycling; Na;
Fertilization; Nutrients; Coffea arabica.**
- 188 Chlorogenic acid synthesis in coffee : An analysis of CGA
content and real-time RT-PCR expression of HCT, HQT, C₃H₁,
and CCoAOMT₁ genes during grain development in *C.*
canephora/ Maud Lepelley...[et al.]
Plant Science, Volume 172, Issue 5, May 2007, p. 978-996,
ISSN 0168-9452.
**Keywords: Coffee; Chlorogenic acid (CGA) metabolism;
Seed development; Health benefits.**
- 189 Coffee consumption protects human lymphocytes against
oxidative and 3-amino-1-methyl-5H-pyrido[4,3-b]indole acetate
(Trp P 2) induced DNA-damage: Results of an experimental

study with human volunteers/ J. Bichler ...[et al.]
Food and Chemical Toxicology, Volume 45, Issue 8, August 2007, p. 1428-1436, ISSN 0278-6915.

Keywords: Coffee; Comet assay; DNA damage; Human intervention study; Trp P 2

- 190 comparative evaluation of methodologies for water content determination in green coffee/ Juliana C.F. Mendonca, Adriana S. Franca, Leandro S. Oliveira.

LWT - Food Science and Technology, Volume 40, Issue 7, September 2007, p. 1300-1303, ISSN 0023-6438.

Keywords: Green coffee; Moisture content; Karl Fischer; Oven drying; Infrared drying.

- 191 comparative study of chemical attributes and levels of amines in defective green and roasted coffee beans/ Anna Luiza S. Vasconcelos ...[et al.]

Food Chemistry, Volume 101, Issue 1, 2007, p. 26-32, ISSN 0308-8146.

Keywords: Coffee; Defective beans; Chemical composition; Amines; Roasting

- 192 Composition of coffee shade tree species and density of indigenous arbuscular mycorrhizal fungi (AMF) spores in Bonga natural coffee forest, Southwestern Ethiopia/ Diriba Muleta...[et al.]

Forest Ecology and Management, Volume 241, Issues 1-3, 30 March 2007, p. 145-154, ISSN 0378-1127.

Keywords: Arbuscular mycorrhizal fungi spore density; Bonga natural coffee forest; Coffee shade tree species.

- 193 Demand for coffee in Sweden: The role of prices, preferences and market power / Dick Durevall...[et al.]

Food Policy, Volume 32, Issues 5-6, October-December 2007, p. 566-584, ISSN 0306-9192.

Keywords: Coffee exports; Coffee price; Market power;

Multinationals; Sweden; Commodity markets.

- 194 Detection and quantification of *Aspergillus westerdijkiae* in coffee beans based on selective amplification of beta-tubulin gene by using real time PCR / Luis Gustavo Morello ...[et al.]
International Journal of Food Microbiology, Volume 119, Issue 3, 1 November 2007, p. 270-276, ISSN 0168-1605.
Keywords: Ochratoxin A; Aspergillus ochraceus; Aspergillus westerdijkiae; Real time PCR.
- 195 Determination of phenolic acids in coffee by micellar electrokinetic chromatography / Eder Muller Risso, Renato G. Peres, Jaime Amaya-Farfan
Food Chemistry, Volume 105, Issue 4, 2007, p. 1578-1582, ISSN 0308-8146.
Keywords: HPCE; Capillary electrophoresis; MEKC; Phenolic acids; Chlorogenic acid; Ferulic acid; Caffeic acid
- 196 Dispersion coefficient of coffee berries in vibrated bed dryer / J.R.D. Finzer ...[et al.]
Journal of Food Engineering, Volume 79, Issue 3, April 2007, p. 905-912, ISSN 0260-8774.
Keywords: Coffee drying; Drying with recycle; Dispersion coefficient; Peclet number
- 197 Dynamics of size-density fractions of soil organic matter following the addition of tree litter to organic coffee farms / Fidel Payan, Davey L. Jones, John Beer.
Geoderma, Volume 141, Issues 1-2, 15 September 2007, p. 15-22, ISSN 0016-7061.
Keywords: Coffea arabica; Litter decomposition; Mineralization; Organic farming; Shade trees; Soil organic matter; Soil quality
- 198 Extraction of coffee diterpenes and coffee oil using supercritical

carbon dioxide / Julio M.A. Araujo, Delcio Sandi.
Food Chemistry, Volume 101, Issue 3, 2007, p. 1087-1094,
ISSN 0308-8146.

Keywords: Supercritical carbon dioxide extraction; Green coffee oil; Roasted coffee oil; Cafestol; Kahweol; HPLC

- 199 French fair trade coffee buyers' purchasing motives : An exploratory study using means-end chains analysis / Florence de Ferran, Klaus G. Grunert.
Food Quality and Preference, Volume 18, Issue 2, March 2007, p. 218-229, ISSN 0950-3293.

Keywords: Fair trade; Means end chains; Retail store type; Motives; Values

- 200 Fresh coffee husks as potential sources of anthocyanins / Emille R.B.A. Prata, Leandro S. Oliveira.
LWT - Food Science and Technology, Volume 40, Issue 9, November 2007, p. 1555-1560, ISSN 0023-6438.

Keywords: Agricultural waste; Food colorants; Coffee.

- 201 Hepatoprotective and antioxidant effects of the coffee diterpenes kahweol and cafestol on carbon tetrachloride-induced liver damage in mice/ Kyung Jin Lee, Jea Ho Choi, Hye Gwang Jeong.
Food and Chemical Toxicology, Volume 45, Issue 11, November 2007, p. 2118-2125, ISSN 0278-6915.

Keywords: Kahweol; Cafestol; Hepatoprotective effects; Carbon tetrachloride; CYP2E1; Antioxidant

- 202 HPLC-MS validation of QualisaFoo (R) biosensor kit for cost-effective control of acrylamide levels in Italian coffee / Sagratini Gianni ...[et al.]
Food Control, Volume 18, Issue 10, October 2007, p. 1267-1271, ISSN 0956-7135.

Keywords: Food; Safety; Acrylamide; Enzymatic test; HPLC MS analysis; QualisaFoo(R) kit.

- 203 Impact of 'ecological' post harvest processing on coffee aroma: II. Roasted coffee/ Oscar Gonzalez-Rios ...[et al.]
Journal of Food Composition and Analysis, Volume 20, Issues 3-4, The essential balance: Risks and benefits in food safety and quality, May 2007, p. 297-307, ISSN 0889-1575.
Keywords: Roasted coffee; Post harvest treatment; Aroma; SPME; GCO; Food safety.
- 204 Impact of 'ecological' post harvest processing on the volatile fraction of coffee beans: I. Green coffee / Oscar Gonzalez-Rios ...[et al.]
Journal of Food Composition and Analysis, Volume 20, Issues 3-4, The essential balance: Risks and benefits in food safety and quality, May 2007, p. 289-296, ISSN 0889-1575.
Keywords: Green coffee; Post harvest process; Aroma; Solid phase microextraction (SPME); Gas chromatography olfactometry (GC-O); Food safety.
- 205 Impact of the Roasting degree of coffee on the in vitro radical scavenging capacity and content of acrylamide/ Carmelina A. Summa ...[et al.]
LWT - Food Science and Technology, Volume 40, Issue 10, December 2007, p. 1849-1854, ISSN 0023-6438.
Keywords: Acrylamide; Coffee; Antioxidant; Melanoidins; Maillard reaction
- 206 Inoculation of coffee plants with the fungal entomopathogen *Beauveria bassiana* (Ascomycota: Hypocreales) / Francisco Posada...[et al.]
Mycological Research, Volume 111, Issue 6, June 2007, p. 748-757, ISSN 0953-7562.
Keywords: Coffea; Coffee berry borer; Endophytes; Hypothenemus.
- 207 Interfacial properties of coffee-based beverages/ Michele Ferrari

...[et al.]

Food Hydrocolloids, Volume 21, Issue 8, December 2007, p. 1374-1378, ISSN 0268-005X.

Keywords: Espresso; Coffee; Wetting; Foarms; Surface tension.

- 208 Intermediate resistance to *Meloidogyne exigua* root knot nematode in *Coffea Arabica* / E. Alpizar, H. Etienne, B. Bertrand.

Crop Protection, Volume 26, Issue 7, July 2007, p. 903-910, ISSN 0261-2194.

Keywords: Gene incomplete dominant expression; Meloidogyne exigua; Root knot nematode; Mex 1; Coffea Arabica.

- 209 mammalian communities in coffee plantations around a protected area in the Western Ghats, India/ Archana Bali, Ajith Kumar, Jagdish Krishnaswamy.

Biological Conservation, Volume 139, Issues 1-2, September 2007, p. 93-102, ISSN 0006-3207.

Keywords: Agroforestry; Matrix; Buffer; Biodiversity hotspot; Silver oak; Conservation

- 210 Mathematical modeling of caffeine kinetic during solid liquid extraction of coffee beans / J.D. Espinoza-Perez ...[et al.]

Journal of Food Engineering, Volume 81, Issue 1, July 2007, p. 72-78, ISSN 0260-8774.

Keywords: Caffeine extraction; Mass transfer; Solid liquid extraction.

- 211 Morphological and physiological responses of two coffee progenies to soil water availability / Paulo C. Dias...[et al.]

Journal of Plant Physiology, Volume 164, Issue 12, 3 December 2007, p. 1639-1647, ISSN 0176-1617.

Keywords: Coffea; Drought stress; Growth; Transpiration; Water use efficiency.

- 212 Profile and levels of bioactive amines in instant coffee / Tania Maria Leite da Silveira ...[et al.]
Journal of Food Composition and Analysis Volume 20, Issue 6, September 2007, p. 451-457, ISSN 0889-1575.
Keywords: Instant coffee; Bioactive amines; pH; Colour; Decaffeinated; Organic.
- 213 Removal characteristics of metal ions using degreased coffee beans : Adsorption equilibrium of cadmium (II) / Katsuya Kaikake ...[et al.]
Bioresource Technology, Volume 98, Issue 15, November 2007, p. 2787-2791, ISSN 0960-8524.
Keywords: Degreased coffee beans; Heavy metals; Cadmium(II); Adsorption; Desorption.
- 214 Soil random roughness and depression storage on coffee farms of varying shade levels / Brenda B. Lin, Paul L. Richards.
Agricultural Water Management, Volume 92, Issue 3, 16 September 2007, p. 194-204, ISSN 0378-3774.
Keywords: Soil roughness; Depression storage; Soil moisture; Agroforestry systems; Coffee agriculture; Adaptive management.
- 215 Testing consumer preferences for iced-coffee : Does the drinking environment have any influence? / C. Petit, J.M. Sieffermann.
Food Quality and Preference, Volume 18, Issue 1, January 2007, p. 161-172, ISSN 0950-3293.
Keywords: Iced coffee; Consumer test; Natural consumption situation; Environment; Evocation.
- 216 Tree biodiversity in farmer cooperatives of a shade coffee landscape in western El Salvador / V. Ernesto Mendez, Stephen R. Gliessman, Gregory S. Gilbert.
Agriculture, Ecosystems & Environment, Volume 119, Issues 1-2, February 2007, p. 145-159, ISSN 0167-8809.

Keywords: Agroecology; Agroforestry; Farmer livelihoods; Tropical tree species richness.

- 217 water footprint of coffee and tea consumption in the Netherlands / A.K. Chapagain, A.Y. Hoekstra.
Ecological Economics Volume 64, Issue 1, 15 October 2007, p. 109-118, ISSN 0921-8009.
Keywords: Global water resources; Water footprint; Virtual water; Coffee; Tea; Trade.

TEEAL

- 218 "Decote" type pruning effect upon *Xylella fastidiosa* control in coffee cultivars / Queiroz-Voltan-R-B...[et al.]
Bragantia, 2007, 66 (1), p. 69-80.
Keywords: Coffee; Cultivars; Cultural control; Disease resistance; Disease vectors; Genetic diversity; Genetic variation; Insect pests; Plant anatomy; Plant disease control; Plant diseases; Plant pathogenic bacteria; Plant pathogens; Plant pests; Plant tissues; Pruning; Wild relatives; Xylem.
- 219 comparative study of chemical attributes and levels of amines in defective green and roasted coffee beans / Vasconcelos-A-L-S...[et al.]
Food Chemistry, 2007, 101 (1), p. 26-32
Keywords: Acidity; Amines; Coffee; Fat; Histamine; Moisture content; Protein content; Putrescine; Roasting; Serotonin; Sucrose; Tryptamine; Water activity.

- 220 Agroforestry management as an adaptive strategy against potential microclimate extremes in coffee agriculture/ Lin-B-B. *Agricultural and Forest Meteorology*, 2007, 144 (1-2), p. 85-94
Keywords: Agroforestry; Agroforestry systems; Climatic change; Cropping systems; Linear models; Microclimate; Relative humidity; Shade trees; Soil water content; Solar radiation; Temperature; Trees; Woody plants.
- 221 Antioxidant capacity of coffees of several origins brewed following three different procedures / Parras-P ...[et al.] *Food Chemistry*, 2007, 102 (3), p. 582-592
Keywords: Antioxidant properties; Chemical composition; Coffee; Hydrogen peroxide; Linoleic acid; Phenolic compounds.
- 222 Biodiversity, profitability, and vegetation structure in a Mexican coffee agroecosystem / Gordon-C...[et al.] *Agriculture, Ecosystems & Environment*, 2007, 118 (1-4), p. 256-266
Keywords: Biodiversity; Canopy; Coffee; Forests; Plant height; Population density; Profitability; Small mammals; Species richness; Stand structure; Vegetation; Wild birds.
- 223 Biology of coffee berry borer *H. hampei* (Ferrari) (*Coleoptera: Curculionidae: Scolytinae*) under laboratory conditions/ Fernandez-S., Cordero-J. *Bioagro*, 2007, 19 (1), p. 35-40
Keywords: Biological development; Coffee; Developmental stages; Fecundity; Insect pests; Larvae; Oviposition; Plant pests; Pupae; Sex ratio.
- 224 Changes in particles of coffee powder and extensions to caking/ Saragoni-P., Aguilera-J-M., Bouchon-P. *Food Chemistry*, 2007, 104 (1), p. 122-126
Keywords: Caking; Coffee; Kinetics; Relative humidity.

- 225 Characterization of *Coffea* chloroplast microsatellites and evidence for the recent divergence of *C. arabica* and *C. eugenioides* chloroplast Genomes / Kassahun-Tesfay...[et al.]
Genome, 2007, 50 (12), p. 1112-1129
Keywords: Chloroplast genetics; Chloroplasts; Coffee; Cultivars; Deletions; Genomes; Intergenic DNA; Microsatellites; Nucleotide sequences; Phylogenetics; Taxonomy *Coffea*; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes; East Africa; Africa South of Sahara; Africa; Least Developed Countries; Developing Countries; ACP Countries.
- 226 Chemical effects on the soil-plant system in a secondary treated wastewater irrigated coffee plantation - a pilot field study in Brazil / Herpin-U...[et al.]
Agricultural Water Management, 2007, 89 (1-2), p. 105-115
Keywords: Calcium; Carbon nitrogen ratio; Cation exchange capacity; Coffee; Exchangeable calcium; Exchangeable magnesium; Exchangeable sodium; Irrigated farming; Leaves; Magnesium; Microbial activities; Mineralization; Nitrification; Nutrient content; Oxisols; Recycling; Secondary treatment; Sodium; Soil analysis; Soil organic matter; Soil solution; Soil types; Waste utilization; Waste water; Waste water treatment; Water reuse.
- 227 Coffee production effects on child labor and schooling in rural Brazil / Kruger-D-I.
Journal of Development Economics, 2007, 82 (2), p. 448-463
Keywords: Child labour; Children; Coffee; Crop production; Economic growth; Education; Educational attendance; Rural areas; Time allocation.

- 228 Composition of coffee shade tree species and density of indigenous *arbuscular mycorrhizal fungi* (AMF) spores in Bonga natural coffee forest, southwestern Ethiopia / Diriba-Muleta ...[et al.]
Forest Ecology and Management, 2007, 241 (1-3), p. 145-154
Keywords: Botanical composition; Coffee; Endomycorrhiza; Forest soils; Fungal morphology; Fungal spores; Mycorrhizal fungi; Mycorrhizas; Phosphorus; Population density; Rhizosphere; Shade trees; Soil types; Species diversity; Species richness; Trees; Vesicular arbuscular mycorrhizas; Woody plants.
- 229 Credit, natural disasters, coffee, and educational attainment in rural Honduras / Gitter-S-R., Barham-B-L.
World Development, 2007, 35 (3), p. 498-511.
Keywords: Academic achievement; Assets; Credit; Crop production; Educational performance; Hurricanes; Natural disasters; Production structure; Rural areas; Secondary education.
- 230 Demand for coffee in Sweden: the role of prices, preferences and market power / Durevall-D.
Food Policy, 2007, 32 (5-6), p. 566-584
Keywords: Coffee; Consumer preferences; Consumer prices; Demand; Imperfect competition; Imports; Market competition; Price elasticities; Retail prices
- 231 Detection and identification of a group 16SrIII-related phytoplasma associated with coffee crispiness disease in Colombia / Galvis-C-A...[et al.]
Plant Disease, 2007, 91 (3), p. 248-252
Keywords: Abortion (plants); Coffee; Detection; Disease

transmission; Hosts; New host records; Phyllody; Phylogenetics; Plant diseases; Plant pathogenic bacteria; Plant pathogens; Ribosomal DNA; Symptoms; Taxonomy.

- 232 Development of genomic microsatellite markers in *Coffea canephora* and their transferability to other coffee species / Poncet-V...[et al.]
Genome, 2007, 50 (12), p.1156-1161
Keywords: Complementary DNA; DNA hybridization; DNA libraries; Expressed sequence tags; Gene expression; Genes; Lignification; Transcription
Cunninghamia; Taxodiaceae; Pinopsida; Gymnosperms; Spermatophyta; Plants; Eukaryotes
- 233 Do farmers benefit from participating in specialty markets and cooperatives? The case of coffee marketing in Costa Rica/ Wollni-M., Zeller-M.
Agricultural Economics, 2007, 37 (2-3), p. 243-248
Keywords: Coffee; Cooperative marketing; Cooperatives; Marketing; Participation; Prices; Welfare economics.
- 234 Dynamics of size-density fractions of soil organic matter following the addition of tree litter to organic coffee farms/ Payan-F., Jones-D-L., Beer-J.
Geoderma, 2007, 141 (1-2), p. 15-22
Keywords: Agroforestry systems; Carbon; Coffee; Crop residues; Decomposition; Farming systems; Indicators; Organic farming; Pruning trash; Soil invertebrates; Soil organic matter; Temporal variation; Tropics.
- 235 Dynamics of size-density fractions of soil organic matter following the addition of tree litter to organic coffee farms / Payan-F., Jones-D-L., Beer-J.
Geoderma, 2007, 141 (1-2), p. 15-22

Keywords: Agroforestry systems; Carbon; Coffee; Crop residues; Decomposition; Farming systems; Indicators; Organic farming; Pruning trash; Soil invertebrates; Soil organic matter; Temporal variation; Tropics.

- 236 Effect of temperature and relative humidity during transportation on green coffee bean moisture content and ochratoxin A production/ Palacios-Cabrera-H-A...[et al.]
Journal of Food Protection, 2007, 70 (1), p. 164-171
Keywords: Coffee; Food contamination; Food hygiene; Food safety; Food sanitation; International transport; Moisture content; Ochratoxin; Relative humidity; Temperature.
- 237 Evaluation of quantitative traits related with the vegetative growth among arabica coffee cultivars / Freitas-Z-M-T-S-de..[et al.]
Bragantia, 2007, 66 (2), p. 267-275
Keywords: Branches; Canopy; Coffee; Cultivars; Growth; Plant height; Quantitative traits; Stems.
- 238 Evaluation of the genetic diversity of *Xylella fastidiosa* strains from citrus and coffee hosts by single-nucleotide polymorphism markers / Wickert-E., Machado-M-A., Lemos-E-G-M.
Phytopathology, 2007, 97 (12), p. 1543-1549
Keywords: Coffee; Genetic diversity; Genetic markers; Nucleotide sequences; Oranges; Plant pathogenic bacteria; Plant pathogens; Single nucleotide polymorphism; Strains.
- 239 Extraction of coffee diterpenes and coffee oil using supercritical carbon dioxide / Araujo-J-M-A., Sandi-D.
Food Chemistry, 2007, 101 (3), p. 1087-1094
Keywords: Coffee; Diterpenes; Extraction; HPLC.

- 240 Fermentation quality and nutritive value of a total mixed ration silage containing coffee grounds at ten or twenty percent of dry matter / Xu-C-C ...[et al.]
Journal of Animal Science, 2007, 85 (4), p. 1024-1029
Keywords: Coffee; Crude protein; Digestibility; Digestible energy; Dry matter; Energy; Feed intake; Nutritive value; Silage; Silage fermentation; Total digestible nutrients.
- 241 Household bargaining power and agricultural supply response: evidence from Ethiopian coffee growers/ Lim-S-S., Winter-Nelson-A., Arends-Kuenning-M.
World Development, 2007, 35 (7), p. 1204-1220
Keywords: Cash crops; Coffee; Marital interaction; Production; Supply response; Women.
- 242 Influence of the interaction of temperature and water activity on the growth and production of ochratoxin A by *Aspergillus niger*, *Aspergillus carbonarius* and *Aspergillus ochraceus* on a coffee-based medium/ Kouadio-Ahou-Iren., Lebrihi-Ahme., Agbo-Georges-N'zi.
Canadian Journal of Microbiology, 2007, 53 (7), p. 852-859.
Keywords: Ecology (environmental sciences); Biochemistry and molecular biophysics; Temperature effect; Water activity; Fungal growth; Ecological condition.
- 243 Introgressive hybridization between the allotetraploid *Coffea arabica* and one of its diploid ancestors, *Coffea canephora*, in an exceptional sympatric zone in New Caledonia/ Mahe-L...[et al.]
Genome, 2007, 50 (3), p. 316-324
Keywords: Coffee; evolution; Gene flow; Genes; Hybridization; Hybrids; Introgression; Polyploidy coffea; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes;

Melanesia; Australasia; Oceania; Pacific Islands; Developing countries; Islands

- 244 Neural network algorithm for coffee ripeness evaluation using airborne images / Furfaro-R...[et al.]
Applied Engineering in Agriculture, 2007, 23 (3), p. 379-387
Keywords: Rial photography; Canopy; Coffee; Fruits; Mathematical models; Monitoring; Multispectral imagery; Neural networks; Reflectance; Remote sensing; Simulation models.
- 245 Phenological and agronomic evaluations in a coffee crop grown under unshaded and shaded by 'Prata Ana' banana plants/ Pezzopane-J-R-M ...[et al.]
Bragantia, 2007, 66 (4), p. 701-709
Keywords: Bananas; Coffee; Crop yield; Growth; Light relations; Phenology; Plant development; Shade; Shade trees; Trees; Woody plants.
- 246 Progenies of *Coffea arabica* cv IPR-100 resistant to root knot nematode *Meloidogyne paranaensis* / Sera-G-H...[et al.]
Bragantia, 2007, 66 (1), p. 43-49
Keywords: Coffee; Cultivars; Genetic diversity; Genetic variation; Genotypes; Pest resistance; Plant genetic resources; Plant parasitic nematodes; Plant pests; Progeny.
- 247 Removal characteristics of metal ions using degreased coffee beans : adsorption equilibrium of cadmium(II) / Kaikake-K...[et al.]
Bioresource Technology, 2007, 98 (15), p. 2787-2791
Keywords: Adsorption; Analysis; Cadmium; Calcium; Capacity; Cell walls; Characteristics; Characterization; Coffee; Copper; Desorption; Electron microscopy; Equilibrium; Hydrochloric acid; Infrared spectroscopy; Ions;

Iron; Metal ions; Metals; Nitric acid; Scanning electron microscopy; Spectroscopy; Structure; Sulfur; Surface area; X radiation; Zinc.

- 248 Seasonal mortality factors of the coffee leafminer, *Leucoptera coffeella* / Pereira-E-J-G...[et al.]
Bulletin of Entomological Research, 2007, 97 (4), p. 421-432.
Keywords: Biological development; Coffee; Developmental stages; Dry season; Insect pests; Larvae; Leaf miners; Life tables; Mortality; Ova; Parasitoids; Plant pests; Population dynamics; Predators; Pupae; Seasonal variation; Wet season.
- 249 Selenium-induced oxidative stress in coffee cell suspension cultures / Gomes-Junior-R-A...[et al.]
Functional Plant Biology, 2007, 34 (5), p. 449-456
Keywords: Antioxidant properties; Cell culture; Cell suspensions; Coffee; Enzyme activity; Enzymes; Lipid peroxidation; Selenium; Superoxide dismutase.
- 250 Soil random roughness and depression storage on coffee farms of varying shade levels / Lin-B-B., Richards-P-L.
Agricultural Water Management, 2007, 92 (3), p. 194-204
Keywords: Agroforestry systems; Coffee; Litter (plant); Roughness; Shade; Soil physical properties; Soil water content; Water availability.
- 251 Spatio-temporal dynamics of Arabica coffee berry disease caused by *Colletotrichum kahawae* on a plot scale/ Bedimo-J-A-M ...[et al.]
Plant Disease, 2007, 91 (10), p. 1229-1236
Keywords: Coffee; Dispersal; Epidemics; Fungal diseases; Inoculum; Plant diseases; Plant pathogenic fungi; Plant pathogens; Spatial distribution; Spatial variation; Temporal variation.

- 252 Testing ant predation on the coffee berry borer in shaded and sun coffee plantations in Colombia / Armbrrecht-I. Gallego-M-
Entomologia Experimentalis et Applicata, 2007, 124 (3), p. 261-267
Keywords: Adults; Coffee; Insect pests; Plant pests; Predation; Predator prey relationships; Predators; Social insects.
- 253 The impact of coffee price changes on rural households in Uganda / Bussolo-M ...[et al.]
Agricultural Economics, 2007, 37 (2-3), p. 293-303
Keywords: Agricultural trade; Coffee; Household; International trade; Multipliers; Poverty; Prices; Rural areas; Trade liberalization
- 254 Topography and crop management are key factors for the development of American leaf spot epidemics on coffee in Costa Rica / Avelino-J...[et al]
Phytopathology, 2007, 97 (12), p. 1532-1542
Keywords: Coffee; Crop management; Epidemics; Epidemiology; Fungal diseases; Plant diseases; Plant pathogenic fungi; Plant pathogens; Pruning; Row spacing; Shade.
- 255 Use of Fluorescence in situ hybridization as a tool for introgression analysis and chromosome identification in coffee (*Coffea arabica L.*) / Herrera-J-C., D'Hont-A., Lashermes-P.
Genome, 2007, 50 (7), p. 619-626
Keywords: Chromatin; Chromosomes; Coffee; Fluorescence in situ hybridization; Genome analysis; Genomes; Introgression; Nucleotide sequences; Techniques Coffea; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes.

2008

PROQUEST

- 256 ABA Inhibits Embryo Cell Expansion and Early Cell Division Events During Coffee (*Coffea arabica* 'Rubi') Seed Germination / E. A. Amaral Da Silva...[et al.]
Annals of Botany. Oxford: Sep 2008. Vol. 102, Iss. 3; p. 425 (9 pages)
Keywords : ABA; Embryo culture; Coffea arabica; Germination
- 257 Agrobacterium rhizogenes-transformed Roots of Coffee (*Coffea arabica*) : conditions for long-term proliferation, and morphological and molecular characterization / E. Alpizar, [et al.]
Annals of Botany. Oxford: May 2008. Vol. 101, Iss. 7; p. 929 (12 pages)
Keywords : Coffee arabica; Agrobacterium rhizogenes; Roots; Molecular biology
- 258 ARAMARK Refreshment Services, LLC; ARAMARK Refreshment Services Acquires Brand Coffee Service / Anonymous.
Food Weekly News. Atlanta: Dec 11, 2008. p. 44
Keywords : Coffee; Trade marks; Services; Aramark
-
- 259 Characterization and expression analysis of genes directing galactomannan synthesis in coffee / Martial Pré...[et al.]
Annals of Botany. Oxford: Aug 2008. Vol. 102, Iss. 2; p. 207 (14 pages)
Keywords :Coffee; Mannans; Genes; Statistical methods
- 260 Chlorogenic acid from green coffee extract are highly bioavailable in humans^{1,2} / Adriana Farah...[et al.]
The Journal of Nutrition. Bethesda: Dec 2008. Vol. 138, Iss. 12; p.
-

2309 (7 pages)

Keywords : Coffee; Chlorogenic acid; Extracts; Mankinds

- 261 Competing for coffee space: development-induced displacement in the Central Highlands of Vietnam / Sylvie Doutriaux, Charles Geisler, Gerald Shively.
Rural Sociology. College Station: Dec 2008. Vol. 73, Iss. 4; p. 528 (27 pages)

Keywords : Coffee; Developmental stages; Vietnam

- 262 Effect of coffee drinking on platelets : inhibition of aggregation and phenols incorporation / F Natella...[et al.]
The British Journal of Nutrition. Cambridge: Dec 2008. Vol. 100, Iss. 6; p. 1276 (7 pages)

Keywords :Coffee; Phenolis contents; Drinking habits; Inhibition; Incorporation

- 263 Host location behaviour by two *Cephalonomia* spp. (Hymenoptera: Bethyridae) wasps associated with the coffee berry borer *Hypothenemus hampei* (Coleoptera: Curculionidae: Scolytinae) / Pilar Chiu-Alvarado, Julio C Rojas.
International Journal of Tropical Insect Science. Cambridge: Dec 2008. Vol. 28, Iss. 4; p. 179 (6 pages)

Keywords : Coffee; Cephalonomia; Hypothenemus hampei; Behaviour

- 264 Starbucks Coffee Company ; Starbucks Takes Next Step in putting money back in Loyal Customers' Wallets / Anonymous.
Food Business Week. Atlanta: Nov 27, 2008. p. 54

Keywords :Coffee; Trade

- 265 The contribution of non-managed social bees to coffee production : new economic insights based on farm-scale yield data / Dorte
-

Veddeler...[et al.]

Agroforestry Systems. The Hague: Jun 2008. Vol. 73, Iss. 2; p. 109

**Keywords : Coffee; Production; Farms; Bee; Data collection;
Yield**

SCIENCE DIRECT

- 266 A study on pyrolytic gasification of coffee grounds and implications to allothermal gasification / Ondrej Masek ...[et al.]
Biomass and Bioenergy, Volume 32, Issue 1, January 2008, p. 78-89, ISSN 0961-9534.
Keywords: Pyrolysis; Gasification; Biomass; Residue; Tar; Allothermal; Coffee; Simulation
- 267 Agricultural intensification within agroforestry: The case of coffee and wood products / Robert A. Rice.
Agriculture, Ecosystems & Environment, Volume 128, Issue 4, December 2008, p. 212-218, ISSN 0167-8809.
Keywords: Agroforestry; Shade coffee; Peru; Guatemala; Fuelwood; Lumber; Intensification
- 268 An investigation of carotenoid biosynthesis in *Coffea canephora* and *Coffea Arabica* / Andrew J. Simkin ...[et al.]
Journal of Plant Physiology, Volume 165, Issue 10, 7 July 2008, p. 1087-1106, ISSN 0176-1617.
Keywords: Apocarotenoids; Carotenoid cleavage dioxygenase; Carotenoid synthesis; Coffea; Drought stress
- 269 Antioxidant potential of low-grade coffee beans / K. Ramalakshmi, I. Rahath Kubra, L. Jagan Mohan Rao.
Food Research International, Volume 41, Issue 1, 2008, p. 96-103, ISSN 0963-9969.
Keywords: Coffea arabica; Coffea canephora; Coffee beans; Low grade; Triage; Antioxidant and radical scavenging activity; Antioxidant capacity; Reducing power
- 270 Antiviral activities of coffee extracts in vitro / Hirotohi Utsunomiya ...[et al.]
Food and Chemical Toxicology, Volume 46, Issue 6, June 2008,

p. 1919-1924, ISSN 0278-6915.

Keywords: Antiviral; Virucidal; Coffee; Herpes simplex virus; Poliovirus

- 271 Chemical characterisation of non-defective and defective green arabica and robusta coffees by electrospray ionization-mass spectrometry (ESI-MS) / Juliana C.F. Mendonca ...[et al.]
Food Chemistry, Volume 111, Issue 2, 15 November 2008, p. 490-497, ISSN 0308-8146.

Keywords: Coffee; Defective beans; Fingerprinting; Chemometrics

- 272 Chlorogenic acid and caffeine contents in various commercial brewed coffees / K. Fujioka, T. Shibamoto.
Food Chemistry, Volume 106, Issue 1, 1 January 2008, p. 217-221, ISSN 0308-8146.

Keywords: Acid contents; Brewed coffee; Caffeine; Chlorogenic acid

- 273 COD and BOD reduction from coffee processing wastewater using Avocado peel carbon / Rani Devi, Vijender Singh, Ashok Kumar.
Bioresource Technology, Volume 99, Issue 6, April 2008, p. 1853-1860, ISSN 0960-8524.

Keywords: Adsorption; Avocado; BOD; COD; Coffee processing wastewater/effluent

- 274 Coffee intake, feeding behavior and activity in rats / V. Aguilera ...[et al.]
Appetite, Volume 51, Issue 2, September 2008, p. 350, ISSN 0195-6663.

Keywords : Coffee; Feeding; Activity; Rats

- 275 Coffee leaf volatiles and egg laying by the coffee leaf miner *Leucoptera coffeella* / Sergio Tinoco V. Magalhaes ...[et al.]
Crop Protection, Volume 27, Issue 6, June 2008, p. 1038-1041, ISSN 0261-2194.

Keywords: Coffea arabica; Egg laying preference; Lepidoptera; Lyonetiidae; P Cymene.

- 276 Coffee oil as a potential feedstock for biodiesel production/
Leandro S. Oliveira ...[et al.]
Bioresource Technology, Volume 99, Issue 8, May 2008, p.
3244-3250, ISSN 0960-8524.

Keywords: Biodiesel; Defective coffee beans

- 277 Comprehensive analysis of major and minor chlorogenic acid
and lactones in economically relevant Brazilian coffee cultivars/
Daniel Perrone ...[et al.]
Food Chemistry, Volume 106, Issue 2, 15 January 2008, p. 859-
867, ISSN 0308-8146.

**Keywords: Coffee; Chlorogenic acid; Lactones; Quinides;
LC MS; Coffee Roasting.**

- 278 Corrigendum to changes in particles of coffee powder and
extensions to caking / P. Saragoni, J.M. Aguilera, P. Bouchon
Food Chemistry, Volume 109, Issue 1, 1 July 2008, p. 174-175,
ISSN 0308-8146.

**Keywords: Coffee; Powders; Particle; Extension activities;
Caking**

- 279 Discrimination between defective and non-defective Brazilian
coffee beans by their volatile profile / Pamela D.C. Mancha
Agresti ...[et al.]
Food Chemistry, Volume 106, Issue 2, 15 January 2008, p. 787-
796, ISSN 0308-8146.

**Keywords: Coffee; Defective beans; Volatiles profile;
Roasting; SPME; GCMS; PCA analysis.**

- 280 Effectiveness of the fatty acid and sterol composition of seeds
for the chemotaxonomy of Coffea subgenus Coffea/ Stephane
Dussert ...[et al.]
Phytochemistry, Volume 69, Issue 17, December 2008, p. 2950-
2960, ISSN 0031-9422.

Keywords: Coffea; Coffee; Seed; Phylogeny;

Chemotaxonomy; Fatty acids; Sterols

- 281 Effects of coffee and its chemopreventive components kahweol and cafestol on cytochrome P450 and sulfotransferase in rat liver/ Wolfgang W. Huber ...[et al.]
Food and Chemical Toxicology, Volume 46, Issue 4, Molecular and Physiological Effects of Bioactive Food Components, April 2008, p. 1230-1238, ISSN 0278-6915.
Keywords: Coffee components; Cytochrome P450; Sulfotransferase; Liver; Rat; Kahweol; Cafestol
- 282 Effects of shade on the development and sugar metabolism of coffee (*Coffea arabica* L.) fruits/ Clara Geromel ...[et al.]
Plant Physiology and Biochemistry, Volume 46, Issues 5-6, May-June 2008, p. 569-579, ISSN 0981-9428.
Keywords: Bean composition; Coffea arabica; Fruit development; Gene expression; Shade; Sucrose synthase; Sugar metabolism
- 283 Environmentally mediated coffee pest densities in relation to agroforestry management, using hierarchical partitioning analyses / Adenir Teodoro, Alexandra-Maria Klein, Teja Tschardtke,
Agriculture, Ecosystems & Environment, Volume 125, Issues 1-4, May 2008, p. 120-126, ISSN 0167-8809.
Keywords: Spider mites; Leaf miners; Berry borers; Abiotic and biotic habitat variables
- 284 Epicarp characterization of coffee fruits by atomic force microscopy / Yenny P. Cardona ...[et al.]
Journal of Food Engineering, Volume 86, Issue 2, May 2008, p. 167-171, ISSN 0260-8774.
Keywords: Epicarp; Coffee fruits; Roughness; AFM
- 285 Evaluation of DNA extraction methods from green and roasted coffee beans / Stelios Spaniolas ...[et al.]

Food Control, Volume 19, Issue 3, March 2008, p. 257-262, ISSN 0956-7135.

Keywords: Coffee authentication; DNA extraction; DNA quantification

- 286 Fast simultaneous analysis of caffeine, trigonelline, nicotinic acid and sucrose in coffee by liquid chromatography-mass spectrometry / Daniel Perrone, Carmen Marino Donangelo, Adriana Farah.

Food Chemistry, Volume 110, Issue 4, 15 October 2008, p. 1030-1035, ISSN 0308-8146.

Keywords: Coffee; Caffeine; Trigonelline; Nicotinic acid; Sucrose; LC MS

- 287 Floristic composition and environmental factors characterizing coffee forests in southwest Ethiopia/ Tadesse Woldemariam Gole ...[et al.]

Forest Ecology and Management, Volume 255, Issue 7, Large-scale experimentation and oak regeneration, 20 April 2008, p. 2138-2150, ISSN 0378-1127.

Keywords: Afromontane rainforest; Coffea arabica; Guineo congolian rainforest; Indicator species; In situ conservation

- 288 Increased pathogenicity against coffee berry borer, *Hypothenemus hampei* (Coleoptera: Curculionidae) by *Metarhizium anisopliae* expressing the scorpion toxin (AaIT) gene/ Monica Pava-Ripoll ...[et al.]

Journal of Invertebrate Pathology, Volume 99, Issue 2, October 2008, p. 220-226, ISSN 0022-2011.

Keywords: Coffee; Coffee berry borer; Biocontrol; Metarhizium anisopliae; AaIT; Scorpion neurotoxin; Androctonus australis insect toxin

- 289 Induction of Nrf2-mediated cellular defenses and alteration of phase I activities as mechanisms of chemoprotective effects of coffee in the liver / C. Cavin ... [et al.]

Food and Chemical Toxicology, Volume 46, Issue 4, Molecular and Physiological Effects of Bioactive Food Components, April 2008, p. 1239-1248, ISSN 0278-6915.

Keywords: Coffee; Chemoprotection; Mechanisms; Nuclear factor erythroid 2 p45 related factor 2; Glutathione S transferases; Cytochrome P450.

- 290 Influence of preparation conditions in the textural and chemical properties of activated carbons from a novel biomass precursor : The coffee endocarp / Joao Valente Nabais ...[et al.]
Bioresource Technology, Volume 99, Issue 15, October 2008, p. 7224-7231, ISSN 0960-8524.

Keywords: Activated carbon; Coffee endocarp; Surface properties; Physical activation; Chemical activation

- 291 Information and its management for differentiation of agricultural products: The example of specialty coffee/ Norbert Niederhauser ...[et al.]
Computers and Electronics in Agriculture, Volume 61, Issue 2, May 2008, p. 241-253, ISSN 0168-1699.

Keywords: Information management; Agricultural product differentiation; Agricultural supply chains; Internet based; Specialty coffee

- 292 Interfacial rheology study of espresso coffee foam structure and properties / L. Piazza, J. Gigli, A. Bulbarello.
Journal of Food Engineering, Volume 84, Issue 3, February 2008, p. 420-429, ISSN 0260-8774.

Keywords: Interfacial rheology; Foam; Espresso coffee; Image analysis

- 293 Involvement of peroxidases in the coffee resistance to orange rust (*Hemileia vastatrix*) / M.C. Silva ...[et al.]
Physiological and Molecular Plant Pathology, Volume 72, Issues 1-3, January-March 2008, p. 29-38, ISSN 0885-5765.

Keywords: Coffea arabica; Hemileia vastatrix;

**Cytochemistry; Biochemistry; Resistance;
Hypersensitive reaction; Peroxidase; H2O2**

- 294 Isolation, identification and toxigenic potential of ochratoxin A-producing *Aspergillus* species from coffee beans grown in two regions of Thailand / Paramee Noonim ...[et al.]
International Journal of Food Microbiology, Volume 128, Issue 2, 10 December 2008, p. 197-202, ISSN 0168-1605.
Keywords: Aspergillus; Ochratoxin A; Coffee; Phylogenetic analysis
- 295 Limitations to photosynthesis in coffee leaves from different canopy positions / Wagner L. Araujo ...[et al.]
Plant Physiology and Biochemistry, Volume 46, Issue 10, October 2008, p. 884-890, ISSN 0981-9428.
Keywords: Coffea; Gas exchange; Irradiance; Leaf conductance; Phenotypic plasticity
- 296 Measurement of caffeine in coffee beans with UV/vis spectrometer / Abebe Belay ...[et al.]
Food Chemistry, Volume 108, Issue 1, 1 May 2008, p. 310-315, ISSN 0308-8146.
Keywords: Absorbance; Caffeine; Characterization; Extraction; UV/vis spectrophotometer
- 297 Modeling heat and mass transfer during drying of green coffee beans using prolate spheroidal geometry / W.N. Hernandez-Diaz ...[et al.]
Journal of Food Engineering, Volume 86, Issue 1, May 2008, p. 1-9, ISSN 0260-8774.
Keywords: Green coffee drying; Diffusivity; Prolate spheroidal geometry.
- 298 Natural occurrence of *Beauveria bassiana* in *Hypothenemus hampei* (Coleoptera: Curculionidae) populations in unsprayed coffee fields / Arnulfo J. Monzon, Falguni Guharay, Ingeborg Klingen.
Journal of Invertebrate Pathology, Volume 97, Issue 2,

February 2008, p. 134-141, ISSN 0022-2011.

Keywords: Coffee berry borer; Hypothenemus hampei; Infestation level; Beauveria bassiana; Infection level; Biological control; Natural occurrence; Natural enemy

- 299 New source of alpha-d-galactosidase : Germinating coffee beans / Wangyang Shen ...[et al.]
Food Chemistry, Volume 110, Issue 4, 15 October 2008, p. 962-966, ISSN 0308-8146.

Keywords: Alpha galactosidase; Enzyme activity; Coffee beans; Germination

- 300 On-line assessment of brightness and surface kinetics during coffee Roasting / J.A. Hernandez, B. Heyd, G. Trystram.
Journal of Food Engineering, Volume 87, Issue 3, August 2008, p. 314-322, ISSN 0260-8774.

Keywords: Coffee Roasting; On line measurements; Colour kinetics; Grey values; Image analysis

- 301 Prediction of brightness and surface area kinetics during coffee Roasting / J.A. Hernandez, B. Heyd, G. Trystram.
Journal of Food Engineering, Volume 89, Issue 2, November 2008, p. 156-163, ISSN 0260-8774.

Keywords: Coffee Roasting; Brightness kinetics; Neural networks

- 302 Rare and enigmatic genera (*Dunnia*, *Schizocolea*, *Colletoecema*), sisters to species-rich clades: Phylogeny and aspects of conservation biology in the coffee family / Catarina Rydin, Sylvain G. Razafimandimbison, Birgitta Bremer.
Molecular Phylogenetics and Evolution, Volume 48, Issue 1, July 2008, p. 74-83, ISSN 1055-7903.

Keywords: Conservation biology; SMolecular data; Rubiaceae; Rubioideae

- 303 Rhamnoarabinosyl and rhamnoarabinoarabinosyl side chains as structural features of coffee arabinogalactans / Fernando M. Nunes ...[et al.]
Phytochemistry, Volume 69, Issue 7, May 2008, p. 1573-1585, ISSN 0031-9422.
Keywords: Coffee; Polysaccharides; Oligosaccharides; AGP; NMR; Mass spectrometry
- 304 Risks and pitfalls of sensory data analysis for shelf life prediction : Data simulation applied to the case of coffee/ S. Guerra ...[et al.]
LWT - Food Science and Technology, Volume 41, Issue 10, December 2008, p. 2070-2078, ISSN 0023-6438.
Keywords: Shelf life; Sensory analysis; Logistic regression; Weibull model; Coffee
- 305 Scent dependent learning: The effects of ambient congruent vs. incongruent scents on recall of coffee information / B. Raudenbush, J. Schmitt.
Appetite, Volume 51, Issue 2, September 2008, p. 393, ISSN 0195-6663.
Keywords: Information processing; Coffee; Smell
- 306 Sediments in coffee extracts: Composition and control by enzymatic hydrolysis / P.A. Delgado ...[et al.]
Food Chemistry, Volume 110, Issue 1, 1 September 2008, p. 168-176, ISSN 0308-8146.
Keywords: Coffee polysaccharides; Galactomannan; Instant coffee; Enzymatic hydrolysis; Coffee composition; Sediment
- 307 Shade coffee farms promote genetic diversity of native trees / Shalene Jha, Christopher W. Dick.
Current Biology, Volume 18, Issue 24, 23 December 2008, p. R1126-R1128, ISSN 0960-9822.
Keywords: Coffee; Farms; Genetic resources; Indigeneous

organisms; Shade; Crops

- 308 Structure expansion of green coffee beans using instantaneous controlled pressure drop process / Ibtisam M. Kamal ...[et al.] *Innovative Food Science & Emerging Technologies*, Volume 9, Issue 4, October 2008, p. 534-541, ISSN 1466-8564.
Keywords: Coffee beans; Coffea arabica; Structure; Instantaneous controlled pressure drop; DIC
- 309 Studies on extraction and antioxidant potential of green coffee/ M. Madhava Naidu ...[et al.] *Food Chemistry*, Volume 107, Issue 1, 1 March 2008, p. 377-384, ISSN 0308-8146.
Keywords: Coffee conserves; Antioxidant; Solvent mixtures; Chlorogenic acid; Polyphenols
- 310 Succession of bacterial and fungal communities during natural coffee (*Coffea arabica*) fermentation / Cristina Ferreira Silva ...[et al.] *Food Microbiology*, Volume 25, Issue 8, December 2008, p 951-957, ISSN 0740-0020
Keywords: Bacteria; Yeasts; Filamentous fungi; Coffee processing; Microbial succession
- 311 The coffee diterpene kahweol induces heme oxygenase-1 via the PI3K and p38/Nrf2 pathway to protect human dopaminergic neurons from 6-hydroxydopamine-derived oxidative stress/ Yong Pil Hwang, Hye Gwang Jeong. *FEBS Letters*, Volume 582, Issue 17, 23 July 2008, p. 2655-2662, ISSN 0014-5793.
Keywords: Kahweol; Heme oxygenase 1; NF E2 related factor 2; Phosphatidylinositol 3 kinase; P38 kinase; Neuroprotection
- 312 Tree species diversity and vegetation structure in shade coffee farms in Veracruz, Mexico / Ana M. Lopez-Gomez, Guadalupe Williams-Linera, Robert H. Manson

Agriculture, Ecosystems & Environment, Volume 124, Issues 3-4, April 2008, p. 160-172, ISSN 0167-8809.

Keywords: Coffee agroecosystems; Tree diversity; Vegetation structure; Veracruz

- 313 Triacylglycerol molecular species variation in stored coffee beans determined by reverse-high-performance liquid chromatography/refractive index detector / Gulab N. Jham, Helcio Vidigal Muller, Paulo Cecon.

Journal of Stored Products Research, Volume 44, Issue 1, 2008, p. 82-89, ISSN 0022-474X.

Keywords: Triacylglycerol; Coffee; Storage; Bean type; Drying

- 314 Ultrastructural analysis of drying damage in parchment Arabica coffee endosperm cells / F.M. Borem, E.R. Marques, E. Alves.

Biosystems Engineering, Volume 99, Issue 1, January 2008, p. 62-66, ISSN 1537-5110.

Keywords: Arabica coffee; Endosperm; Drying; Damage; Statistical methods

- 315 Volatile compounds as potential defective coffee beans' markers/ Aline T. Toci, Adriana Fara.

Food Chemistry, Volume 108, Issue 3, 1 June 2008, p. 1133-1141, ISSN 0308-8146.

Keywords: Defective coffee beans; PVA; Coffee quality; Coffee flavor; Volatile; Mass spectrometry

TEEAL

- 316 Agricultural intensification within agroforestry: the case of coffee and wood products / Rice-R-A.

Agriculture, Ecosystems & Environment, 2008, 128 (4), p. 212-218

Keywords : Agroforestry systems; Coffee; Fuelwood; Sawnwood; Wood products.

- 317 Agrometeorological model for estimating the beginning of the flowering period for coffee crop (*Coffea arabica* L.) / Zacharias-A-O., Camargo-M-B-P-de., Fazuoli-L-C.
Bragantia, 2008, 67 (1), p. 249-256
Keywords: Agricultural meteorology; Buds; Coffee; Evapotranspiration; Flowering; Heat sums; Meteorological factors.
- 318 Changes in particles of coffee powder and extensions to caking / Saragoni-P., Aguilera-J-M., Bouchon-P.
Food Chemistry, 2008, 109 (1), p. 174-175
Keywords: Foods caking, Coffee powder; Particle change.
- 319 Chemical characterisation of non-defective and defective green arabica and robusta coffees by electrospray ionization-mass spectrometry (ESI-MS) / Mendonca-Juliana-C-F...[et al.]
Food Chemistry, 2008, 111 (2), p. 490-497
Keywords: Methods and techniques; Foods; Agronomy; Arabica coffee, Robusta coffee
- 320 Chlorogenic acid and caffeine contents in various commercial brewed coffees / Fujioka-K., Shibamoto-T.
Food Chemistry, 2008, 106 (1), p. 217-221
Keywords: Biochemistry and molecular biophysics; Foods brewed coffee.
- 321 COD and BOD reduction from coffee processing wastewater using Avocado peel carbon / Rani-Devi., Vijender-Singh., Ashok-Kumar.
Bioresource Technology, 2008, 99 (6), p. 1853-1860
Keywords : Coffee; Waste water; Waste water treatment.
- 322 Coffee oil as a potential feedstock for biodiesel production / Oliveira-L-S...[et al.]
Bioresource Technology, 2008, 99 (8), p. 3244-3250
Keywords : Alcohols; Biodiesel; Coffee; Plant oils.

- 323 Coffee seed processing and effects on physiological seed quality/
Giomo-G-S., Nakagawa-J., Gallo-P-B.
Bragantia, 2008, 67 (4), p.1011-1020.
Keywords : Accelerated aging; Coffee; Dry matter; Plant height; Processing; Seed germination; Seed quality; Seed size; Seedling emergence; Seedlings; Seed
- 324 Coffee seedlings response to pot size and nitrogen and phosphorus fertilization at nursery condition / Arizaleta M, Pire R.
Agrociencia, 2008, 42 (1), p. 47-55
Keywords : Application rates; Coffee; Growth; Nitrogen fertilizers; Nurseries; Phosphorus fertilizers; Plant height; Plant nutrition; Pot culture; Roots; Shoots
- 325 Comparison of five allopatric fruit fly parasitoid populations (*Psyttalia species*) (*Hymenoptera: Braconidae*) from coffee fields using morphometric and molecular methods / Billah-M-K...[et al.]
Bulletin of Entomological Research, 2008, 98 (1), p. 63-75.
Keywords: Amplified fragment length polymorphism; Animal anatomy; Biological control agents; Genetic distance; Genetic markers; Geographical distribution; Morphometrics; New geographic records; Parasitoids.
- 326 Comparison of two phosphate fertilizers in volcanic soils cultivated with coffee, of Soconusco, Chiapas, Mexico / Ramos-Hernandez-S-G., Flores-Roman-D.
Agrociencia, 2008, 42 (4), p. 391-398
Keywords : Chemical composition; Coffee; Phosphorus; Phosphorus fertilizers; Plant composition; Rock phosphate; Soil chemical properties; Soil composition; Soil physical properties; Soil types; Triple superphosphate; Volcanic soils

- 327 Competing for coffee space: development-induced displacement in the Central Highlands of Vietnam / Doutriaux-S., Geisler-C., Shively-G.
Rural Sociology, 2008, 73 (4), p. 528-554
Keywords : Agricultural development; Coffee; Disparity; Ethnic groups; Ethnicity; History; Household income; Income distribution; Marginalization
- 328 Comprehensive analysis of major and minor chlorogenic acid and lactones in economically relevant Brazilian coffee cultivars / Perrone-D...[et al.]
Food Chemistry, 2008, 106 (2), p. 859-867
Keywords: Chlorogenic acid; Coffee; Cultivars; Food analysis; Food processing; Food quality; Isomers; Lactones; Nutrient content; Quantitative analysis; Roasting; South America; America; Developing countries; Threshold countries; Latin America; Coffea; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes; Brazil.
- 329 Cup quality of traditional crop coffee converted to organic system / Malta-M-R ...[et al.]
Bragantia, 2008, 67 (3), p. 775-783
Keywords : Bran; Castor beans; Cattle husbandry; Coffee; Crop quality; Green manures; Organic farming; Organic matter; Organoleptic traits; Pigeon peas; Poultry manure; Sensory evaluation; Straw; Transitional farming.
- 330 Detailed phenological scale of the reproductive phase of *Coffea Arabica* / Morais-H ...[et al.]
Bragantia, 2008, 67 (1), p. 257-260
Keywords : Branches; Buds; Coffee flowering; Flowers; Fructification; Fruits; Maturation; Phenology; Plant development; Plant morphology

- 331 Discrimination between defective and non-defective Brazilian coffee beans by their volatile profile / Agresti-P-D-C-M...[et al.]
Food Chemistry, 2008, 106 (2), p. 787-796
Keywords: Beans; Biochemical markers; Chemical analysis; Chemical composition; Coffee; Comparisons; Extraction; Food quality; Methodology; Principal component analysis; Roasting; Volatile compounds; South America; America; Developing countries; Threshold countries; Latin America; Brazil; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes
- 332 Diversity in coffee assessed with SSR markers : Structure of the genus *Coffea* and perspectives for breeding / Cubry-Philippe...[et al.]
Genome, 2008, 51 (1), p. 50-63
Keywords: Methods and techniques; Population genetics (population studies); Genetics genbank; Sequence data; Genetic diversity.
- 333 Effect of coffee alkaloids and phenolics on egg-laying by the coffee leaf miner *Leucoptera coffeella* / Magalhaes-S-T-V...[et al.]
Bulletin of Entomological Research, 2008, 98 (5), p. 483-489
Keywords: Alkaloids; Caffeic acid; Caffeine; Canonical analysis; Chemical composition; Chlorogenic acid; Coffee; Correlation analysis; Crosses; Genotypes; Hybrids; Insect pests; Leaves; Ova; Phenolic compounds; Plant pests; Wild relatives
- 334 Effect of shade on Arabica coffee berry disease development: toward an agroforestry system to reduce disease impact / Bedimo-J-A-M ...[et al.]
Phytopathology, 2008, 98 (12), p.1320-1325

Keywords : Agroforestry systems; Coffee; Cropping systems; Fruits; Plant pathogenic fungi; Plant pathogens; Shade; Yield losses

- 335 Effectiveness of the fatty acid and sterol composition of seeds for the chemotaxonomy of Coffea subgenus Coffea / Dussert-Stephane...[et al.]
Phytochemistry, 2008, 69 (17), p. 2950-2960
Keywords: Molecular genetics (Biochemistry and molecular biophysics) genotype; Phylogenetic relationship; Chemotaxonomy; Chemotaxonomic relationship; Geographical coherence.
- 336 Environmentally mediated coffee pest densities in relation to agroforestry management, using hierarchical partitioning analyses / Teodoro-A., Klein-A-M., Tschardtke-T.
Agriculture, Ecosystems & Environment, 2008, 125 (1-4), p. 120-126
Keywords : Agroforestry; Arthropod pests; Coffee; Insect pests; Plant pests; Relative humidity; Temperature
- 337 Floristic composition and environmental factors characterizing coffee forests in southwest Ethiopia / Gole-T-W....[et al.]
Forest Ecology and Management, 2008, 255 (7), p. 2138-2150
Keywords: Coffee; Forest; Ethiopia
- 338 Genetic variability of *Cercospora coffeicola* from organic and conventional coffee plantings, characterized by vegetative compatibility / Martins-R-B., Maffia-L-A., Mizubuti-E-S-G.
Phytopathology, 2008, 98 (11), p. 1205-1211
Keywords : Coffee; Fungal diseases; Genetic variation; Mutants; Mutations; Plant diseases; Plant pathogenic fungi; Plant pathogens.
- 339 Global Private Regulation and Value-Chain Restructuring in Indonesian Smallholder Coffee Systems / Neilson-J.

World Development, 2008, 36 (9), p. 1607-1622

Keywords: Biological control; Biological control agents; Genes; Haemolymph; Insect pests; Mortality; Pathogenicity; Plant pests; Virulence

- 340 Increased pathogenicity against coffee berry borer, *Hypothenemus hampei* (Coleoptera: Curculionidae) by *Metarhizium anisopliae* expressing the scorpion toxin (AaIT) gene / Pava-Ripoll-M... [et al.]

Journal of Invertebrate Pathology, 2008, 99 (2), p. 220-226

Keywords: Biological control agents; Coffee; Entomogenous fungi; Entomopathogens; Infection; Natural enemies; Occurrence.

- 341 Influence of preparation conditions in the textural and chemical properties of activated carbons from a novel biomass precursor: the coffee endocarp / Nabais-J-V... [et al.]

Bioresource Technology, 2008, 99 (15), p. 7224-7231

Keywords : Activated carbon; Alcohol intake; Benzoquinone; Biomass; Calcium; Carbon dioxide; Coffee; Crop residues; Oxygen; Phenol; Pore volume; Potassium; Pyrones; Seed; Silicon

- 342 Involvement of peroxidases in the coffee resistance to orange rust (*Hemileia vastatrix*) / Silva-M-C... [et al.]

Physiological and Molecular Plant Pathology, 2008, 72 (1-3), p. 29-38.

Keywords: Cell walls; Coffee; Disease resistance; Enzyme activity; Enzymes; Fluorescence; Fungal diseases; Isoenzymes; Lignification; Peroxidase; Plant diseases; Plant pathogenic fungi; Plant pathogens

- 343 Involvement of peroxidases in the coffee resistance to orange rust (*Hemileia vastatrix*) / Silva-M-C ... [et al.]

Physiological and Molecular Plant Pathology, 2008, 72 (1-3), p. 29-38

Keywords : Cell walls; Coffee; Disease resistance; Enzyme activity; Enzymes; Fluorescence; Fungal diseases; Isoenzymes; Lignification; Peroxidase; Plant diseases; Plant pathogenic fungi; Plant pathogens.

- 344 Measurement of caffeine in coffee beans with UV/vis spectrometer / Belay-Abebe...[et al.]
Food Chemistry, 2008, 108 (1), p. 310-315
Keywords: Biochemistry; Molecular biophysics; Equipment apparatus devices and instrumentation; Agronomy.
- 345 Mite fauna on coffee plants cv. Catuai Amarelo / Mineiro-J-L-de-C ... [et al.]
Bragantia, 2008, 67 (1), p. 197-201
Keywords : Arthropod pests; Biodiversity; Branches; Coffee; Fruits; Leaves; Plant pests; Predators; Predatory mites; Species richness.
- 346 Natural occurrence of *Beauveria bassiana* in *Hypothenemus hampei* (Coleoptera: Curculionidae) populations in unsprayed coffee fields / Monzon-A-J., Guharay-F., Klingen-I.
Journal of Invertebrate Pathology, 2008, 97 (2), p. 134-141.
Keywords: Production; Pricing; Market structure; Size distribution of firms; Retail and wholesale Trade; E commerce; Economic development; Agriculture; Natural resources; Energy; Environment; Other primary products; International linkages to development; Role of international organizations; Agriculture; Aggregate supply and demand analysis; Prices; Agricultural markets and marketing; Cooperatives; Agribusiness; Agriculture in international trade
- 347 New source of alpha-D-galactosidase : Germinating coffee beans / Shen-Wangyan...[et al.]

Food Chemistry, 2008, 110 (4), p. 962-966

Keywords: Enzymology; Nervous system; Oxidative stress, Cell apoptosis

- 348 Plant regeneration via indirect somatic embryogenesis and optimisation of genetic transformation in *Coffea arabica L.* cvs. Caturra and Catuai /Gatica-Arias-Andres-M., Arrieta-Espinoza-Griselda, Esquivel-Ana-M-Espinoza.

Electronic Journal of Biotechnology, 2008, 11 (1), p. 1-12

Keywords : Methods and techniques; Development plant regeneration; Somatic embryo development

- 349 Prediction of genetic additive values for development of a coffee cultivar with increased rust resistance / Petek-M-R., Sera-T., Fonseca-I-C-de-B.

Bragantia, 2008, 67 (1), p. 133-140

Keywords : Coffee; Disease resistance; Fungal diseases; Genes; Genetic analysis; Genetic parameters; Genotypes; Inbred lines; Maturation; Plant diseases; Selection.

- 350 Processing of coffee seed and its effects on physical seed quality / Giomo-G-S., Nakagawa-J., Gallo-P-B.

Bragantia, 2008, 67 (4), p. 997-1010

Keywords : Coffee; Grading; Moisture content; Physical properties; Seed cleaners; Seed moisture; Seed quality; Seed weight; seeds

- 351 Responding to the Coffee Crisis: What Can We Learn from Price Dynamics? / Mehta-A., Chavas-J-P.

Journal of Development Economics, 2008, 85 (1-2), p. 282-311

Keywords: Altitude; Botanical composition; Climbing plants; Coffee; Environmental factors; Forest trees; Forests; Genetic diversity; Habitats; In situ conservation; Indicator species; Mountain forests; Plant communities; Rain forests; Shrubs; Slope; Species diversity; Species

**richness; Subsistence; Trees; Vegetation types;
Woody plants**

- 352 Rhamnoarabinosyl and rhamnoarabinoarabinosyl side chains as structural features of coffee arabinogalactans / Nunes-F-M...[et al.]
Phytochemistry, 2008, 69 (7), p. 1573-1585
Keywords: Chemical composition; Chemical structure; Coffee; Oligosaccharides; Plant composition; Polysaccharides; South America; America; Developing Countries; Threshold Countries; Latin America; Coffea; Rubiaceae; Rubiales; Gentianales; Dicotyledons; Angiosperms; Spermatophyta; Plants; Eukaryotes
- 353 Seasonal changes in coffee leaf water potential in Mococa, Sao Paulo State, Brazil / Kobayashi-E-S...[et al.]
Bragantia, 2008, 67 (2), p. 421-428
Keywords: Coffee; Cultivars; Leaves; Plant water relations; Spacing; Water stress; Xylem water potential.
- 354 Sediments in coffee extracts : Composition and control by enzymatic hydrolysis / Delgado-P-A...[et al.]
Food Chemistry, 2008, 110 (1), p. 168-176
Keywords: Methods and techniques; Enzymology (Biochemistry and molecular biophysics); Foods coffee (beverage)
- 355 Studies on extraction and antioxidant potential of green coffee / Naidu-M-Madhava..[et al.]
Food Chemistry, 2008, 107 (1), p. 377-384 ISSN: 0308-8146
Keywords : Biochemistry and molecular biophysics; Foods antioxidant potential; Green coffee
- 356 Tree species diversity and vegetation structure in shade coffee farms in Veracruz, Mexico / Lopez-Gomez-A-M., Williams-

Linera-G., Manson-R-H.

Agriculture, Ecosystems & Environment, 2008, 124 (3-4), p. 160-172

Keywords : Agroforestry; Agroforestry systems; Basal area; Biodiversity; Cloud forests; Forest fragmentation; Forests; Species diversity; Species richness

- 357 Triacylglycerol molecular species variation in stored coffee beans determined by reverse-high-performance liquid chromatography/refractive index detector / Jham-Gulab-N, Muller-Helclo-Vidiga, Cecon-Paul.

Journal of Stored Products Research, 2008, 44 (1), p. 82-89

Keywords: Transactional relationships; Contracts and reputation; Networks; Economic development; Agriculture; Natural resources; Energy; Environment; Other primary products; Micro analysis of farm firms; Farm households and farm input markets; Agricultural markets and marketing; Cooperatives; Agribusiness; Agricultural policy; Food Policy.

- 358 Use of a dielectric function for determination of coffee seeds moisture content / Berbert-P-A ...[et al.]

Bragantia, 2008, 67 (2), p. 541-548

Keywords : Coffee; Mathematical models; Seed moisture; Seed

- 359 Volatile compounds as potential defective coffee beans' markers / Toci-Aline-T., Farah-Adriana.

Food Chemistry, 2008, 108 (3), p. 1133-1141 ISSN: 0308-8146

Keywords: Biochemistry and molecular biophysics; Foods coffee; Coffee quality

2009

PROQUEST

- 360 Transgenic coffee fruits from *Coffea arabica* genetically modified by bombardment / Erika V S Albuquerque ... [et al.]
In Vitro Cellular & Developmental Biology. Columbia: Sep/Oct 2009. Vol. 45, Iss. 5; p. 532 (8 pages)
Keywords: Coffee; Transgenic plants; Coffee arabica; Genetically modified
-

SCIENCE DIRECT

- 361 Alterations in chlorophyll a fluorescence, pigment concentrations and lipid peroxidation to chilling temperature in coffee seedlings / Jurandi Goncalves de Oliveira, Pedro Luis da Costa Aguiar Alves, Angela Pierre Vitoria.
Environmental and Experimental Botany, Volume 67, Issue 1, November 2009, p. 71-76, ISSN 0098-8472
Keywords: Coffea arabica L.; Photosystem II quantum yield; Photosynthetic pigments; Chlorophyll a fluorescence transient O-J-I-P; Environmental stress
- 362 Beta-cyclodextrin complexes with chlorogenic and caffeic acids from coffee brew : Spectroscopic, thermodynamic and molecular modelling study/ Pawel Gornas ...[et al.]
Food Chemistry, Volume 114, Issue 1, 1 May 2009, p. 190-196, ISSN 0308-8146.
Keywords: Beta cyclodextrin; Chlorogenic acid; Caffeic acid; Brewed coffee; Inclusion complex; Molecular modeling; Fluorescence; Thermodynamic parameters
- 363 Bioactivities of low-grade green coffee and spent coffee in

different in vitro model systems/ K. Ramalakshmi ...[et al.]
Food Chemistry, Volume 115, Issue 1, 1 July 2009, p. 79-85,
ISSN 0308-8146.

Keywords: Low grade coffee; Spent coffee; Radical scavenging activity; ORAC; Anti tumour; Anti inflammatory; Anti allergy

- 364 Biochemical and molecular characterization of the antioxidative system of *Coffea* sp. under cold conditions in genotypes with contrasting tolerance/ Ana S. Fortunato ...[et al.]

Journal of Plant Physiology, In Press, Corrected Proof, Available online 24 November 2009, ISSN 0176-1617.

Keywords: *Coffea* sp.; Cold; Oxidative stress; Reactive oxygen species; Scavenging molecules

- 365 Biological control of coffee rust by antagonistic bacteria under field conditions in Brazil / Fernando Haddad ...[et al.]

Biological Control, Volume 49, Issue 2, May 2009, p. 114-119, ISSN 1049-9644.

Keywords: *Coffea arabica*; *Hemileia vastatrix*; *Pseudomonas*; *Bacillus*; Biocontrol; Disease management

- 366 biology of *Phymastichus coffea* LaSalle (*Hymenoptera: Eulophidae*) under field conditions/ Julio C. Espinoza ...[et al.]
Biological Control, Volume 49, Issue 3, June 2009, p 227-233, ISSN 1049-9644.

Keywords: *Hypothenemus*; Coffee berry borer; Life-history; Biological control; Mexico; *Phymastichus*

- 367 Coffee as a source of antioxidants: An EPR study / Vlasta Brezova, Anna Slebodova, Andrej Stasko.

Food Chemistry, Volume 114, Issue 3, 1 June 2009, p. 859-868, ISSN 0308-8146.

Keywords: Ground coffee; Instant coffee; Antioxidant;

**EPR spectroscopy; Hydroxyl radicals;
Caffeine; Caffeic acid**

- 368 Coffee brew shelf life modelling by integration of acceptability and quality data / Lara Manzocco, Corrado Lagazio.
Food Quality and Preference, Volume 20, Issue 1, January 2009, p. 24-29, ISSN 0950-3293.
Keywords: Shelf life modelling; Acceptance limit; Survival analysis; Consumer response; Coffee
- 369 Coffee growers feel the heat / Michael Gross.
Current Biology, Volume 19, Issue 21, 17 November 2009, p. R965-R966, ISSN 0960-9822
Keywords : Coffee; Farmers; Heat
- 370 Defense gene expression induced by a coffee-leaf extract formulation in tomato / F.C.L. Medeiros ... [et al.]
Physiological and Molecular Plant Pathology, In Press, Corrected Proof, Available online 11 December 2009, ISSN 0885-5765.
Keywords: Solanum lycopersicum; Systemic acquired resistance; Natural formulation; Microarray analysis
- 371 Direct lipase-catalyzed lipophilization of chlorogenic acid from coffee pulp in supercritical carbon dioxide/ Carlos E. Hernandez ...[et al.]
Industrial Crops and Products, Volume 30, Issue 3, November 2009, p. 359-365, ISSN 0926-6690.
Keywords: Candida antarctica lipase; Chlorogenic acid; Lipophilization; Supercritical CO2
- 372 Discrimination between arabica and robusta coffee species on the basis of their tocopherol profiles/ R.C. Alves... [et al.]
Food Chemistry, Volume 114, Issue 1, 1 May 2009, p. 295-299, ISSN 0308-8146.
Keywords: Tocopherols; Vitamin E; Arabica; Robusta;

Coffee; Beans; Green; Roasted

- 373 Effect of Roasting degree, equivalent thermal effect and coffee type on the radical scavenging activity of coffee brews and their phenolic fraction / Giampiero Sacchetti ...[et al.]
Journal of Food Engineering, Volume 90, Issue 1, January 2009, p. 74-80, ISSN 0260-8774.
Keywords: Coffee; Antioxidant activity; Roasting; Equivalent thermal effect; Browning; Maillard reaction; Polyphenols
- 374 Erratum to 'Effect of Roasting degree, equivalent thermal effect and coffee type on the radical scavenging activity of coffee brews and their phenolic fraction / Giampiero Sacchetti ...[et al.]
Journal of Food Engineering 90 (2009) p. 74-80, *Journal of Food Engineering*, Volume 91, Issue 2, March 2009, p. 372, ISSN 0260-8774.
Keywords: Coffee; Roasting; Thermal energy; Fractination
- 375 Espresso coffee (EC) by POD : Study of thermal profile during extraction process and influence of water temperature on chemical-physical and sensorial properties / D. Albanese...[et al.]
Food Research International, Volume 42, Issues 5-6, June-July 2009, p. 727-732, ISSN 0963-9969.
Keywords: Espresso coffee; Profile temperature; Extraction temperature
- 376 Evaluation of some metals in Brazilian coffees cultivated during the process of conversion from conventional to organic agriculture / Jose Soares dos Santos ...[et al.]
Food Chemistry, Volume 115, Issue 4, 15 August 2009, p. 1405-1410, ISSN 0308-8146.
Keywords: Principal component analysis; Organic coffee; Cluster analysis; Available metals in soil; Nutrients and toxic elements

- 377 Evaluation of the potential of SPME-GC-MS and chemometrics to detect adulteration of ground roasted coffee with roasted barley/ Rafael C.S. ...[et al.]
Journal of Food Composition and Analysis, Volume 22, Issue 3, May 2009, p. 257-261, ISSN 0889-1575.
Keywords: Coffee adulteration; Fraud; Gas chromatography; GC; Mass spectrometry; MS; Solid-phase micro extraction; SPME; Multivariate statistics; Detection and quantification method; Food analysis; Food quality; Food composition
- 378 Fair Trade organic coffee production in Nicaragua -- Sustainable development or a poverty trap?/ Joni Valkila.
Ecological Economics, Volume 68, Issue 12, 15 October 2009, p. 3018-3025, ISSN 0921-8009.
Keywords: Organic agriculture; Fair Trade; Certification; Coffee; Nicaragua.
- 379 Fungal endophyte diversity in coffee plants from Colombia, Hawai'i, Mexico and Puerto Rico/ Fernando E. Vega ...[et al.]
Fungal Ecology, In Press, Corrected Proof, Available online 1 October 2009, ISSN 1754-5048.
Keywords: Coffea; Coffee; Endophytes; Tropics
- 380 Heat and mass transfer during the coffee drying process / Katrin Burmester, Rudolf Eggers.
Journal of Food Engineering, In Press, Corrected Proof, Available online 21 December 2009, ISSN 0260-8774.
Keywords: Drying; Coffee; Heat transfer; Shrinkage; Sorption isotherm; Thermal conductivity
- 381 Impact of coffee consumption on the gut microbiota: A human volunteer study / Muriel Jaquet ...[et al.]
International Journal of Food Microbiology, Volume 130, Issue 2, 31 March 2009, p. 117-121, ISSN 0168-1605.

Keywords: Microbiota; Coffee; RT-PCR DGGE; FISH

- 382 Impact of natural enemies on coffee leafminer *Leucoptera coffeella* (*Lepidoptera: Lyonetiidae*) population dynamics in Chiapas, Mexico/ J. Refugio Lomeli-Flores, Juan F. Barrera, Julio S. Bernal.
Biological Control, Volume 51, Issue 1, October 2009, p. 51-60, ISSN 1049-9644.
Keywords: Biological control; Life tables; Formicidae; Eulophidae; Braconidae; Predation; Parasitism; Coffea arabica
- 383 influence of shade trees on coffee quality in small holder coffee agroforestry systems in Southern Colombia / Aske Skovmand Bosselmann ...[et al.]
Agriculture, Ecosystems & Environment, Volume 129, Issues 1-3, January 2009, p. 253-260, ISSN 0167-8809.
Keywords: Coffea arabica; Shade; Sensory quality; Physical quality; Mixed linear model; Colombia.
- 384 Influence of storage conditions on aroma compounds in coffee pads using static headspace GC-MS/ Meike Brohan ...[et al.]
Food Chemistry, Volume 116, Issue 2, 15 September 2009, p. 480-483, ISSN 0308-8146.
Keywords: Coffee pads; Coffee powder; Aroma compounds; Storage conditions; Static headspace; GC MS.
- 385 influence of weather on the seasonal incidence of coffee berry moth, *Prophantis smaragdina* (Butler) / Esayas Mendesil, Abush Tesfaye.
Journal of Asia-Pacific Entomology, Volume 12, Issue 3, September 2009, p. 203-205, ISSN 1226-8615.
Keywords: Coffee; Coffee pest; Coffee berry moth; Incidence; Prophantis smaragdina.
- \
- 386 Isolation of coffee diterpenes by means of high-speed countercurrent chromatography / Heike Scharnhop, Peter

Winterhalter.

Journal of Food Composition and Analysis, Volume 22, Issue 3, May 2009, p. 233-237, ISSN 0889-1575.

Keywords: Coffee; 16-O-methylcafestol; Cafestol; Kahweol; *Coffea canephora* var. *robusta*; Diterpene; High speed countercurrent chromatography; Bioactive non nutrients; Food quality; Food analysis; Food composition

- 387 ITS-based detection and quantification of *Aspergillus ochraceus* and *Aspergillus westerdijkiae* in grapes and green coffee beans by real-time quantitative PCR/ Jessica Gil-Serna ...[et al.]

International Journal of Food Microbiology, Volume 131, Issues 2-3, 31 May 2009, p. 162-167, ISSN 0168-1605.

Keywords: *Aspergillus ochraceus*; *Aspergillus westerdijkiae*; Real time qPCR; OTA; Grapes; Green coffee beans; ITS

- 388 Kinetics of ochratoxin A destruction during coffee Roasting/ Mariano B.M. Ferraz ...[et al.]

Food Control, In Press, Corrected Proof, Available online 11 December 2009, ISSN 0956-7135.

Keywords: Coffee; Ochratoxin A; Chlorogenic acid; Coffee Roasting; Modeling

- 389 Measurement of integrated absorption cross-section, oscillator strength and number density of caffeine in coffee beans by integrated absorption coefficient technique / Abebe Belay.

Food Chemistry, In Press, Accepted Manuscript, Available online 28 December 2009, ISSN 0308-8146.

Keywords: Caffeine; Number density; Integrated absorption coefficient; Integrated absorption cross section and oscillator strength

- 390 Migratory songbird use of shade coffee in the Venezuelan Andes with implications for conservation of cerulean warbler/

Marja H. Bakermans ...[et al.]
Biological Conservation, Volume 142, Issue 11, November 2009, p. 2476-2483, ISSN 0006-3207.

Keywords: Agroecosystems; Body condition; Migratory birds; Survival; Venezuela; Wintering grounds

391 Nearby rainforest promotes coffee pollination by increasing spatio-temporal stability in bee species richness / Alexandra-Maria Klein.

Forest Ecology and Management, Volume 258, Issue 9, 10 October 2009, p. 1838-1845, ISSN 0378-1127.

Keywords: Community stability; Forest based regulating services; Pollination services; Resource heterogeneity

392 Norharman and harman in instant coffee and coffee substitutes/ Rita C. Alves ...[et al.]

Food Chemistry, In Press, Corrected Proof, Available online 6 December 2009, ISSN 0308-8146.

Keywords: Beta carbolines; Norharman; Harman; Instant coffee; Coffee substitutes; Coffee surrogates

393 Ochratoxin A in coffee beans (*Coffea arabica L.*) processed by dry and wet methods / Luis Roberto Batista ...[et al.]

Food Control, Volume 20, Issue 9, September 2009, p. 784-790, ISSN 0956-7135.

Keywords: Ochratoxin A; Coffee; Aspergillus

394 Optimisation of a CE method for caffeine analysis in decaffeinated coffee / Adriana Dillenburger Meinhart ...[et al.]

Food Chemistry, In Press, Corrected Proof, Available online 26 November 2009, ISSN 0308-8146.

Keywords: Capillary electrophoresis; PCA; Central composite design; Caffeine analysis

395 Phenotypic plasticity in response to light in the coffee tree / Fabio S. Matosramm ...[et al.]

Environmental and Experimental Botany, Volume 67, Issue 2,

December 2009, p. 421-427, ISSN 0098-8472.

Keywords: Coffea; Photoinhibition; Photosynthesis; Shade leaves; Sun leaves; Xanthophylls

- 396 Physical characterization of non-defective and defective Arabica and Robusta coffees before and after Roasting / Juliana C.F. Mendonca, Adriana S. Franca, Leandro S. Oliveira.
Journal of Food Engineering, Volume 92, Issue 4, June 2009, p. 474-479, ISSN 0260-8774.
Keywords: Coffee; Defective beans; Physical attributes
- 397 Pollinator diversity increases fruit production in Mexican coffee plantations : The importance of rustic management systems / Carlos H. Vergara, Ernesto I. Badano.
Agriculture, Ecosystems & Environment, Volume 129, Issues 1-3, January 2009, p. 117-123, ISSN 0167-8809.
Keywords: Coffee; Mexico; Pollination service; Pollinator diversity; Fruit production
- 398 Polycyclic aromatic hydrocarbons (PAHs) in coffee brew samples : Analytical method by GC-MS, profile, levels and sources / Santino Orecchio, Viviana Paradiso Ciotti, Loredana Culotta.
Food and Chemical Toxicology, Volume 47, Issue 4, April 2009, p. 819-826, ISSN 0278-6915.
Keywords: Coffee; PAHs; Brew; GC-MS; Sources; Food
- 399 preliminary evaluation of the effect of processing temperature on coffee Roasting degree assessment/ Adriana S. Franca ...[et al.]
Journal of Food Engineering, Volume 92, Issue 3, June 2009, p. 345-352, ISSN 0260-8774.
Keywords: Coffee; Volatiles profile; Roasting degree assessment; SPME/GC-MS
- 400 Proteomic evaluation of coffee zygotic embryos in two different stages of seed development / Octavio L. Franco ...[et

al.]

Plant Physiology and Biochemistry, Volume 47, Issues 11-12, November-December 2009, p. 1046-1050, ISSN 0981-9428.

Keywords: Coffee; Proteome; Plant development; Zygotic embryos

- 401 Quantitative classification of coffee agroecosystems spanning a range of production intensities in central Veracruz, Mexico/ Gerardo Hernandez-Martinez, Robert H. Manson, Armando Contreras Hernandez.

Agriculture, Ecosystems & Environment, Volume 134, Issues 1-2, November 2009, p. 89-98, ISSN 0167-8809.

Keywords: Coffee agroecosystems; Vegetation structure; Farm management; Biodiversity conservation; Cloud forest

- 402 Relationships between agro-ecological factors and population densities of *Meloidogyne exigua* and *Pratylenchus coffea* sensu lato in coffee roots, in Costa Rica/ Jacques Avelino ...[et al.]

Applied Soil Ecology, Volume 43, Issue 1, September 2009, p. 95-105, ISSN 0929-1393.

Keywords: Coffea arabica; Root knot nematode; Root lesion nematode; Multivariate analysis.

- 403 Simplification of a coffee foliage-dwelling beetle community under low-shade management / Caleb E. Gordon ...[et al.]

Basic and Applied Ecology, Volume 10, Issue 3, May 2009, p. 246-254, ISSN 1439-1791.

Keywords: Coleoptera; Biodiversity conservation; Diversity estimators; Morphospecies; Top down effects; Beta diversity; Predator exclusion; Conservation agroecology.

- 404 Stable isotope analysis for green coffee bean : A possible method for geographic origin discrimination / Carla Isabel Rodrigues ...[et al.]

Journal of Food Composition and Analysis, Volume 22, Issue

5, 7th International Food Data Conference: Food Composition and Biodiversity, August 2009, p. 463-471, ISSN 0889-1575.

Keywords: Food composition; Green coffee; Geographic origin discrimination; Stable isotope analysis; IRMS; Elemental analysis.

- 405 Structural features of an arabinogalactan-protein isolated from instant coffee powder of *Coffea arabica* beans / Peter Capek ...[et al.]

Carbohydrate Polymers, In Press, Corrected Proof, Available online 13 November 2009, ISSN 0144-8617.

Keywords: Coffea arabica; Roasted beans; Instant coffee powder; Arabinogalactan protein; NMR spectroscopy.

- 406 Three decades of deforestation in southwest Sumatra : Effects of coffee prices, law enforcement and rural poverty/ David L.A. Gaveau ...[et al.]

Biological Conservation, Volume 142, Issue 3, March 2009, p. 597-605, ISSN 0006-3207.

Keywords: Protected areas; Sumatra; Law enforcement; Deforestation; Coffee prices

- 407 Tocopherols in espresso coffee : Analytical method development and validation / Rita C. Alves, Susana Casal, M. Beatriz P.P. Oliveira.

Food Chemistry, Volume 115, Issue 4, 15 August 2009, p. 1549-1555, ISSN 0308-8146.

Keywords: Espresso coffee; Coffee brew; Tocopherols; Vitamin E; HPLC.

- 408 Tree pruning mulch increases soil C and N in a shaded coffee agroecosystem in Hawaii / Adel Youkhana, Travis Idol.

Soil Biology and Biochemistry, Volume 41, Issue 12, December 2009, p. 2527-2534, ISSN 0038-0717.

Keywords: Mulching; Decomposition; Biochemical composition; Shade grown coffee; Nitrogen

- loss; Soil carbon and nitrogen; C sequestration; Bulk density.**
- 409 utility of process-based models for simulating N₂O emissions from soils : A case study based on Costa Rican coffee plantations / Kristell Hergoualc'h ...[et al.]
Soil Biology and Biochemistry, Volume 41, Issue 11, November 2009, p. 2343-2355, ISSN 0038-0717.
Keywords: Agroforestry; Andosol; Denitrification; Heterotrophic soil respiration; Inga densiflora; Mineralization; N₂ fixing leguminous; Nitrification; Water-filled pore space (WFPS).
- 410 Waste recycling: Utilization of coffee grounds and kitchen waste in vermicomposting / A.J. Adi, Z.M. Noor.
Bioresource Technology, Volume 100, Issue 2, January 2009, p. 1027-1030, ISSN 0960-8524.
Keywords: Coffee grounds; Kitchen waste; Nutrient element; Lumbricus rubellus; Vermicomposting.
- 411 Water quality for Espresso coffee / L. Navarini, D. Rivetti.
Food Chemistry, In Press, Corrected Proof, Available online 14 April 2009, ISSN 0308-8146.
Keywords: Water; Roasted coffee; Espresso coffee; Foam.
- 412 Where to sample? Ecological implications of sampling strata in determining abundance and impact of natural enemies of the coffee berry borer, *Hypothenemus hampei*/ Juliana Jaramillo ...[et al.]
Biological Control, Volume 49, Issue 3, June 2009, p. 245-253, ISSN 1049-9644.
Keywords: Hypothenemus hampei; Coffee berry borer; Coffee; Biological control; Parasitoid; Prorops nasuta; Aphanogmus; Hyperparasitoid; Cultural control; IPM

2010

SCIENCEDIRECT

- 413 Acrylamide in espresso coffee: Influence of species, roast degree and brew length/ Rita C. Alves ...[et al.]
Food Chemistry, Volume 119, Issue 3, 1 April 2010, p. 929-934, ISSN 0308-8146.
Keywords: Acrylamide; Espresso coffee; Coffee brews; Coffee species; Roast; Brew length.
- 414 Changes on the levels of serotonin precursors - tryptophan and 5-hydroxytryptophan - during Roasting of Arabica and Robusta coffee / Ana Carolina C.L. Martins, M. Beatriz A. Gloria.
Food Chemistry, Volume 118, Issue 3, 1 February 2010, p. 529-533, ISSN 0308-8146.
Keywords: Coffee; Arabica; Robusta; Tryptophan; 5 Hydroxytryptophan; Roasting.
- 415 Chlorogenic acid and other relevant compounds in Brazilian coffees processed by semi-dry and wet post-harvesting methods / Giselle S. Duarte, Antonio A. Pereira, Adriana Farah,
Food Chemistry, Volume 118, Issue 3, 1 February 2010, p. 851-855, ISSN 0308-8146.
Keywords: Coffee; Post harvesting; Semi dry post harvesting method; Wet post harvesting method; Chlorogenic acid; Trigonelline; Sucrose.
- 416 Determination of coffee origins by integrated metabolomic approach of combining multiple analytical data / Moon-Young Choi ...[et al.]

Food Chemistry, In Press, Accepted Manuscript, Available online 28 January 2010, ISSN 0308-8146.

Keywords: Coffee; Origin; LC/MS; GC FID; Carbohydrate; Monosaccharide; Amine; Protein; Metabolomics; Principal component analysis.

- 417 Estimation of dietary intake of 5-hydroxymethylfurfural and related substances from coffee to Spanish population / Gema Arribas-Lorenzo ...[et al.]
Food and Chemical Toxicology, Volume 48, Issue 2, February 2010, p. 644-649, ISSN 0278-6915.
Keywords: Hydroxymethylfurfural; Hydroxymethylfuroic acid; Dietary intake; Coffee; Food contaminants; Maillard reaction.
- 418 Field assessment of coffee (*Coffea arabica* L.) cultivars in Meloidogyne exigua-infested or -free fields in Rio de Janeiro State, Brazil / Dimmy H.S.G. Barbosa, Ricardo M. Souza, Henrique D. Vieira.
Crop Protection, Volume 29, Issue 2, February 2010, p. 175-177, ISSN 0261-2194.
Keywords: Coffee root knot nematode; Nematode control; Nematode management; Resistance.
- 419 Influence of drying on the content of sugars in wet processed green Arabica coffees / Maik Kleinwachter, Dirk Selmar.
Food Chemistry, Volume 119, Issue 2, 15 March 2010, p. 500-504, ISSN 0308-8146.
Keywords: Coffea arabica; Glucose; Fructose; Sucrose; Galactose; Green coffee; Post harvest treatment; Coffee processing; Drying
- 420 Influence of environmental factors, wet processing and their interactions on the biochemical composition of green Arabica coffee beans/ Thierry Joet ...[et al.]
Food Chemistry, Volume 118, Issue 3, 1 February 2010, p. 693-701, ISSN 0308-8146.

Keywords: Coffea; Environment; Chlorogenic acid; Caffeine; Fatty acid; Soluble sugars

- 421 Microwave assisted thermal treatment of defective coffee beans press cake for the production of adsorbents / Adriana S. Franca ...[et al.]
Bioresource Technology, Volume 101, Issue 3, February 2010, p. 1068-1074, ISSN 0960-8524.

Keywords: Adsorption; Microwave activation; Agrifood waste; Toxic pollutants

- 422 Monte Carlo based test for inferring about the unidimensionality of a Brazilian coffee sensory panel / I.S. Amorim ...[et al.]
Food Quality and Preference, Volume 21, Issue 3, Sensometrics 2008 (TBC), April 2010, p. 319-323, ISSN 0950-3293.

Keywords: Unidimensionality; Coffee.

- 423 Particle concentration effect: Adsorption of divalent metal ions on coffee grounds/ Handojo Djati Utomo, Keith A. Hunter.
Bioresource Technology, Volume 101, Issue 5, Challenges in Environmental Science & Engineering, CESE - 2009: Waste Treatment: Challenges & Solutions, March 2010, p. 1482-1486, ISSN 0960-8524.

Keywords: Adsorption; Dispersant; Flocculation; Metastable equilibrium adsorption; Trace metal.

- 424 Species, Roasting degree and decaffeination influence the antibacterial activity of coffee against *Streptococcus mutans* / Andrea G. Antonio ...[et al.]
Food Chemistry, Volume 118, Issue 3, 1 February 2010, p. 782-788, ISSN 0308-8146.

Keywords: Coffee; Antibacterial activity; Biofilm; Anticariogenic activity; Streptococcus mutans; Chlorogenic acid; Trigonelline; Caffeine.

- 425 Structural features of partially acetylated coffee galactomannans

presenting immunostimulatory activity / Joana Simoes ...[et al.]
Carbohydrate Polymers, Volume 79, Issue 2, 20 January 2010,
p. 397-402, ISSN 0144-8617.

Keywords: Coffee; Mannan; Acetylation of polysaccharides;
Mass spectrometry; Electrospray;
Oligosaccharides

426 UV-Vis spectrometric classification of coffees by SPA-LDA/
Urijatan Teixeira Carvalho Polari Souto ...[et al.]
Food Chemistry, Volume 119, Issue 1, 1 March 2010, p. 368-
371, ISSN 0308-8146.

Keywords: Coffee classification; UV Vis spectrometry;
Linear discriminant analysis; Successive
projections algorithm; Soft independent
modelling of class analogy

1

11beta-Hydroxysteroid, 20

A

- AaIT, 58, 68
- ABA, 51
- Abiotic and biotic habitat variables, 57
- Abiotic stresses, 23
- Abortion (plants), 46
- Absorbance, 59
- Academic-achievement, 45
- Accelerated aging, 64
- Accuracy, 32
- Acid contents, 55
- Acidity, 43
- ACP Countries, 44
- Acreage, 30
- Acrylamide, 24, 32, 39, 40, 84
- Activated carbon, 58, 68
- Activity, 55
- Adaptive management, 34, 42
- Adenine, 26
- Adenosine, 7
- Adenosine nucleosidase, 7
- Adsorption, 41, 49, 55, 85, 86
- Adults, 50
- AFM, 57
- Africa, 44
- Africa South of Sahara, 44
- Fromontane rainforest, 57
- Age, 29
- AGP, 61
- Agribusiness, 69, 72
- Agricultural development, 12
- Agricultural meteorology, 63
- Agricultural policy, 28, 29, 72
- Agricultural product differentiation, 58
- Agricultural sector, 11
- Agricultural supply chains, 58
- Agricultural trade, 51
- Agricultural waste, 39
- Agriculture, 1, 3, 11, 16, 17, 25, 28, 29, 33, 36, 42, 43, 49, 54, 57, 58, 62, 63, 67, 69, 72, 77, 80, 81
- Agriculture in international trade, 69
- Agriculture mRNA, 28
- Agriculture superoxide dismutase, 16
- Agrobacterium rhizogenes, 52
- Agroecological decline, 3
- Agroecological zones, 29
- Agroecology, 36, 42
- Agroecosystems, 15, 79
- Agroforestry, 1, 12, 15, 18, 26, 27, 28, 34, 41, 42, 43, 46, 47, 50, 53, 54, 63, 67, 72, 83
- Agroforestry systems, 26, 30, 43, 46, 47, 50, 67, 72
- Agroforestry systems, 30
- Agronomic traits, 10
- Agronomy, 28, 64, 69
- Alcohol intake, 68
- Alcohols, 64
- Alkaloids, 26, 67
- Allele genetic difference, 31
- Allothermal, 54
- Alpha amylase, 26
- Alpha and beta diversity, 19
- Alpha diversity, 6
- Alpha galactosidase, 1, 60
- Alternative farming, 29
- Altitude, 70
- Aluminum toxicity, 4, 12
- America, 65, 66, 71
- Amines, 16, 37, 43
- Amino acids, 7
- Amylases, 18
- Analysis, 16, 35, 39, 40, 41, 49, 52, 69, 72, 76, 78, 81
- Analytical methods, 32
- Androctonus australis insect toxin, 58
- Angiosperms, 44, 48, 51, 65, 66, 71
- Antimutagenicity, 2
- Antioxidant, 5, 14, 18, 19, 22, 30, 35, 39, 40, 43, 50, 54, 62, 74, 75
- Antioxidant activity, 5, 22, 75
- Antioxidant and radical scavenging activity, 54
- Antioxidant capacity, 54
- Antisense RNA, 26
- Antiviral, 54
- Apocarotenoids, 54
- Application rates, 10, 65
- Arabica coffee, 1, 12, 50, 63, 64, 67, 85
- Arabinogalactan protein fraction, 4
- Aramark, 52
- Arbuscular mycorrhizal fungi spore density, 37
- Aroma, 30, 39, 40, 78
- Aromatic compounds, 14
- Arthropod pests, 28, 67
- Aspartic acid, 15
- Aspergillus, 3, 6, 10, 25, 38, 48, 59, 78, 79
- Aspergillus niger, 3
- Aspergillus ochraceus, 3, 6, 10, 25, 38, 48, 78
- Aspergillus westerdijkiae, 38, 78

Assets, 45
Attitude, 11
Attractants, 30
Attribute preferences, 6
Australasia, 48
Australian regions, 18
Authenticity, 20
Avocado, 55, 64
Azadiracta indica, 8

B

Bacteria, 62
Bananas, 49
Basal area, 72
Bean composition, 57
Bean development, 1
Bean type, 63
Beans, 19, 66, 75
Beauveria bassiana, 24, 31, 40, 60, 69
Bee, 53
Behaviour, 28, 53
Benzo(1,2,3)thiadiazole 7 carbothioic acid
s methyl ester cDNA library, 28
Benzoquinone, 68
Benzyladenine, 10
Berry borers, 57
Beta carbolines, 79
Beta diversity, 6
Bethylidae, 5, 22, 53
Beverage quality, 14
Beverages, 9
Bioactive amines, 41
Biochemical markers, 66
Biochemical pathways, 9
Biochemistry, 1, 4, 18, 26, 28, 31, 48, 57,
59, 64, 67, 69, 71, 72, 81, 82, 83
Biochemistry and molecular biophysics,
28, 31, 48, 64, 67, 69, 71, 72
Biocontrol, 58, 74
Biodegradation, 2, 9
Biodiesel, 55, 64
Biodiversity, 1, 8, 21, 36, 41, 43, 72, 81
Biodiversity conservation, 8
Biogeography, 24
Biological control, 5, 9, 60, 68, 74, 77, 83
Biological control agents, 68
Biological development, 18, 44, 50
Biomass, 2, 9, 26, 54, 68
Biomass production, 26
Biosynthesis, 9, 19, 26, 54
Birds, 36
Bloc, 24
Blood pressure, 22
BOD, 55, 64

Body weight, 20
Bonga natural coffee forest, 37, 45
Boron, 13
Botanical composition, 45, 70
Bottles, 12
Branches, 47
Brazil, 1, 12, 16, 31, 36, 44, 45, 65, 66, 71,
74, 85
Brewed coffee, 35, 55, 73
Brightness kinetics, 60
Buffer, 41
Bulk density, 27, 30

C

Cadmium, 41, 49
Cadmium(II), 41
Cafestol, 2, 39, 56, 78
Caffeic acid, 28, 38, 67, 73, 74
Caffeine, 2, 3, 6, 7, 9, 10, 14, 15, 17, 19, 20,
26, 34, 35, 41, 55, 57, 59, 67, 74, 79, 80,
85, 86
Caking, 36, 44, 56
Calcium, 44, 49, 68
Cameroon, 17
Canonical analysis, 67
Canopy, 43, 47, 49
Capacity, 49
Capillary electrophoresis, 38, 80
Caramelization, 20
Carbon, 17, 21, 39, 44, 46, 47, 68
Carbon nitrogen ratio, 44
Carotenoid cleavage dioxygenase, 54
Carotenoid synthesis, 54
Carotenoids, 6
Case studies, 12, 16, 28
Casein, 23, 30
Cash crops, 48
Catchment hydrology, 12, 27, 30
Catechol oxidase, 31
Cation exchange capacity, 44
cDNA, 5, 18, 28
Cell apoptosis, 70
Cell culture, 50
Cell suspensions, 50
Cell wall polysaccharide, 1
Cell walls, 49, 69
Centres of diversity, 10
Cephalonomia, 5, 22, 53
Cephalonomia hyalinipennis, 5, 22
Cephalonomia stephanoderis, 5, 22
Certification, 13, 16, 76
Characteristics, 49
Characterization, 2, 18, 36, 44, 49, 52, 59
Chemical activation, 58

Chemical analysis, 66
Chemical components, 9
Chemical composition, 9, 10, 26, 37, 43, 65, 66, 67, 71
Chemical cues, 19
Chemical diversity, 9
Chemical properties, 14, 28, 65
Chemical structure, 71
Chemical-composition, 29
Chemometrics, 55
Chemoprotection, 58
Chemoreceptors, 27
Chemotaxonomic relationship, 67
Chemotaxonomy, 9, 56, 67
Chiapas, 2, 18, 19, 26, 65, 77
Chicory, 7
Child labour, 45
Children, 45
Chlorogenic acid, 6, 7, 14, 15, 20, 22, 36, 38, 52, 55, 56, 62, 64, 67, 73, 75, 78, 84, 85, 86
Chlorophyll, 6, 21, 73
Chloroplast genetics, 44
Chloroplasts, 44
Chromatin, 51
Chromatography, 16
Chromosomes, 51
Climate, 25, 34
Climatic change, 43
Climbing plants, 70
Cloud forests, 72
Cluster analysis, 25, 76
COD, 55, 64
Coffe, 1, 36
Coffea, 1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, 36, 38, 40, 41, 44, 46, 48, 49, 51, 52, 54, 55, 56, 57, 59, 62, 63, 65, 66, 67, 70, 71, 73, 74, 77, 78, 79, 80, 81, 82, 85
Coffea arabica, 7, 10, 11, 12, 14, 16, 17, 19, 22, 23, 24, 25, 28, 32, 33, 35, 36, 49, 51, 52, 54, 55, 57, 59, 62, 63, 66, 70, 73, 74, 77, 79, 81, 82, 85
Coffea canephora, 1, 4, 6, 9, 13, 18, 19, 21, 23, 26, 33, 46, 48, 54, 78
***Coffea canephora* Pierre**, 6
Coffee, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86
Coffee agroecosystem, 6
Coffee arabica, 8
Coffee beans, 19, 34
Coffee benefits and costs, 8
Coffee berry borer, 22, 24, 58
Coffee brewing, 35
Coffee cell suspension cultures, 4
Coffee certification programs, 1
Coffee components, 56
Coffee composition, 61
Coffee cultivars, 14
Coffee diterpenes, 2
Coffee flavor, 63
Coffee industry, 16
Coffee oil quality, 24
Coffee polysaccharides, 61
Coffee powder, 78
Coffee price, 38
Coffee processing wastewater/effluent, 55
Coffee pulp, 2, 12
Coffee quality, 72
Coffee rust, 23
Coffee shade tree species, 37
Coffee types, 7
Coffees, 5, 19
Colletotrichum, 10, 50
Colombia, 9, 33, 46, 50, 77
Colour, 22, 24, 32, 41, 60
Comet assay, 37
Commodity markets, 38
Community forestry, 13
Comparisons, 66
Competition, 16
Conservation, 6, 7, 19, 21, 28, 41, 61, 79, 81, 82
Consumer behaviour, 28
Consumer preferences, 45
Consumer prices, 45
Consumer test, 42
Consumption, 17, 18
Contingent valuation, 8
Contracts and reputation, 72
Control method, 18
Conversion, 27, 30
Cooperative marketing, 46
Cooperatives, 46, 69, 72
Coordination, 13
Copper, 13, 49
Corolla, 18
Correlation, 10, 20, 28, 31, 67
Correspondence analysis, 25
Cortisol, 20
Costa Rica, 10, 81
Costs, 26
Cotyledons, 26

Creamy mouthfeel, 20
Credit, 45
Crisps, 32
Crop enterprises, 26
Crop management, 25, 51
Crop production, 32, 45
Crop residues, 46, 47, 68
Crop yield, 31, 49
Cropping systems, 26, 43
Crops, 4, 62, 75
Crosses, 67
Crude protein, 48
Cultivars, 11, 13, 27, 32, 43, 44, 47, 49, 65
Cultural control, 29, 43
Culture media, 9, 10
Cup quality, 2, 66
Cuscuta jalapensis, 22
CYP2E1, 39
Cytochemistry, 59
Cytochrome P450, 56, 58
Cytoplasm, 13

D

Damage, 14, 24, 63
Damage costs, 24
Dams, 12
Data collection, 53
Decaffeinated, 41
Decaffeination, 17
Decision making, 15, 26
Decomposition, 27, 30, 46, 47, 82
Defective beans, 37, 55, 56, 80
Defective coffee beans, 6, 24, 55, 63
Defence mechanisms, 1, 12
Deforestation, 4, 12, 21, 82
Degradation, 16
Degreased coffee beans, 41
Dehydrogenase, 20, 27
Deletions, 44
Demand, 45
Density of the plants, 16
Depression storage, 42
Descriptive sensory analysis, 7
Desorption, 41, 49
Detection, 46
Determination, 32, 38, 84
Developing Countries, 44, 48, 65, 66, 71
Developmental stages, 44, 50, 52
Diabetes, 17, 18, 20, 27
Diagnosis, 18
DIC, 62
Dicotyledons, 44, 48, 51, 65, 66, 71
Diffusivity, 60
Diffructose anhydrides, 20

Digestibility, 48
Digestible energy, 48
Directed attention, 20
Disease control, 25, 31
Disease resistance, 11, 23, 31, 32, 43, 69,
See
Disease transmission, 46
Disease vectors, 43
Disinfestation, 27
Dispersal, 50
Dispersion coefficient, 38
Diterpenes, 47
Diversification, 4, 34
Diversity, 3, 6, 10, 67, 81
DNA, 5, 18, 28, 34, 37, 44, 46, 57
DNA hybridization, 46
DNA libraries, 46
DNA quantification, 57
Drinking habits, 53
Drought stress, 41, 54
Dry matter, 27, 48
Dry season, 50
Drying, 4, 16, 25, 32, 38, 63, 77, 85
Dust/frass, 19

E

E Commerce, 69
East Africa, 23, 25, 44
EC 2.6.1.1 root knot, 16
Eco labels, 3
Ecological condition, 48
Ecology (environmental sciences), 48
Economic development, 72
Economic Development, 69
Economic growth, 45
Economic value, 24
Economics, 1, 3, 8, 13, 15, 24, 26, 28, 30,
34, 36, 42, 45, 46, 51, 70, 76
Ecosystem engineer, 23
Education, 45
Educational attendance, 45
Educational performance, 45
EF1 alpha, 24
Effective diffusivity, 4
Efficiency, 26, 34
EFutr, 24
Egg laying preference, 55
Ekaryotes, 44
Electron microscopy, 49
Embryonic development, 33
Embryo culture, 51
Emergence, 9
Emergy analysis, 21
Emergy exchange ratio, 21

Enantiomers, 15
Endomycorrhiza, 45
Endophytes, 40, 77
Endosperm, 63
Energy, 48, 69, 72
Entomogenous fungi, 68
Entomopathogens, 68
Environment, 3, 11, 25, 27, 36, 42, 43, 54, 57, 62, 63, 67, 69, 72, 77, 80, 81, 85
Environment genotype, 27
Environmental factors, 9, 11, 70
Environmental impac, 12
Environmental impact, 1
Environmental policy, 28
Enzymatic hydrolysis, 61
Enzymatic test, 39
Enzyme activity, 14, 27, 31, 60, 69
Enzyme inhibitors, 26
Enzyme purification, 7
Enzyme-activity, 50
Enzymes, 14, 26, 27, 31, 50, 69
Enzymology, 70, 71
Enzymology (Biochemistry and molecular biophysics), 71
Epicarp, 57
Epidemics, 50, 51
Equilibrium, 49, 86
Equipment, 69
Erosion, 15
Erosion control, 15
Erosivity, 15
Espresso, 21, 40, 59, 76, 82, 83, 84
Esterase, 16
Esterase polymorphism, 11
Ethanol, 12
Ethiopia, 3, 21, 24, 32, 37, 45, 57, 68
Ethylene, 33
Eukaryotes, 46, 48, 51, 65, 66, 71
Evaluation, 11, 12, 13, 47, 57, 76
Evapotranspiration, 1, 63
Evergreen cloud forest, 7
Evocation, 42
Evolution, 10, 48, 61
Exchangeable calcium, 44
Exchangeable magnesium, 44
Exchangeable sodium, 44
Export policies, 16
Exports, 29
Expressed sequence tags, 46
Extension, 29, 56
External and transaction costs, 8
Extraction, 39, 47, 59, 66, 76
Extracts, 52

F

Fair trade, 3, 39
Farm households and Farm input markets, 72
Farm inputs, 13
Farm planning, 26
Farmer livelihoods, 42
Farmers, 10, 29, 75
Farmers attitudes, 29
Farming systems, 29, 46, 47
Farms, 53, 62
Fat, 43
Fatal fighting, 5
Fatty acids, 9, 24, 56
Fecundity, 44
Feed intake, 48
Feeding, 55
Fertilization, 36
Fertilizers, 13
Ferulic acid, 38
Filamentous fungi, 62
Fingerprinting, 55
Finland, 18
Flavour, 30
Flavour compounds, 30
Floristic composition, 21, 57, 68
Flowering, 63
Fluorescence, 6, 69, 73
Fluorescence in situ hybridization, 51
Foam, 59, 83
Foarms, 40
Foliage, 25
Food, 1, 2, 3, 4, 5, 6, 7, 8, 10, 14, 15, 16, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86
Food analysis, 65, 78
Food colorants, 39
Food contamination, 29, 47
Food hygiene, 47
Food packing, 1
Food policy, 8, 16
Food processing, 30, 65
Food quality, 65, 76
Food safety, 7, 15, 39, 40, 47
Food sanitation, 47
Foods, 25, 36, 64, 71, 72
Foods antioxidant potential, 71
Foods brewed coffee, 64
Foods coffee (beverage), 71
Forest, 6, 13, 21, 23, 27, 30, 34, 37, 43, 45, 57, 68, 70, 72, 79

Forest coffee, 21
Forest conversion, 23
Forest fragmentation, 6
Forest litter, 27, 30
Forest management, 13
Forest soils, 27, 30, 45
Forest trees, 70
Forests, 12, 13, 28, 43, 70, 72
Free amino acids, 15
Free radical, 17, 35
Fruits, 11, 19, 49
Fuelwood, 54, 63
Fungal diseases, 31, 32, 50, 51, 68, 69
Fungal ecology, 7
Fungal growth, 48
Fungal morphology, 45
Fungal spores, 45

G

Galactomannan, 1, 52, 61
Gas chromatography olfactometry (GC-O), 40
Gas exchange, 12, 13, 21, 59
Gasification, 54
GCMS, 56
GCO, 39
GenBank sequence number, 28
Gene expression, 10, 19, 26, 46, 57
Gene flow, 48
Gene incomplete dominant expression, 41
Genes, 10, 11, 13, 18, 26, 46, 48, 52, 68
Genetic breeding, 27
Genetic diversity, 10, 43, 47, 49, 67, 70
Genetic engineering, 26
Genetic markers, 47
Genetic regulation, 10
Genetic resources, 24, 62
Genetic transformation, 26
Genetic variation, 11, 43, 49, 68
Genetically engineered organisms, 26
Genetics GenBank, 67
Genetics gene, 31
Genome analysis, 51
Genomes, 44, 51
Genotypes, 31, 49, 67
Gentianales, 44, 48, 51, 65, 66, 71
Geographical coherence, 67
Germination, 1, 9, 51, 60
Germplasm Growth, 13
Girth, 27
Glass transition, 36
Global water resources, 42
Glucocorticoids, 27
Glucose, 17, 85

Glutamate oxaloacetate transaminase, 16
Glutamine synthetase, 35
Government policy, 16
Grades and standards, 8
Grain, 18, 23
Green beans, 4
Green coffee, 6, 24, 25, 37, 39, 40, 60, 71, 78, 81, 85
Green coffee beans, 6, 78
Grey values, 60
Groundwater, 4, 13
Groundwater recharge, 4
Growing media, 27
Growth, 2, 13, 27, 41, 47, 49, 65
Growth Period, 2
Guatemala, 10, 54
Guineo congolian rainforest, 57
Gymnosperms, 46

H

H₂O₂, 59
Habitats, 70
Haemolymph, 68
Hanseniopsis uvarum, 23, 25
Hawaii, 14, 82
Health benefits, 36
Heat and mass transfer, 4, 35, 77
Heat stability, 5
Heat sums, 63
Heating, 24, 32
Heavy metals, 41
Heme oxygenase 1, 62
Hemilea vastatrix, 24
Hemilea vastatrix, 23, 25, 59, 69, 74
Hepatoprotective effects, 39
HepG2, 2
Herpes simplex virus, 54
Histamine, 8, 16, 43
Histochemistry, 22
Honduras, 25, 45
Honey, 20
Horticulture, 16
Host location, 19, 53
Host range, 11
Hosts, 46
Household, 33, 48, 51
HPCE, 38
HPLC, 5, 7, 35, 39, 47, 82
HPLC fluorescence, 5
Human intervention study, 37
Hurricanes, 45
Hybridization, 33, 48
Hybrids, 48, 67
Hydraulic power, 12

Hydrochloric acid, 49
Hydrocolloids, 4, 40
Hydrocortisone, 27
Hydrogen peroxide, 43
Hydrolysed lecithin, 5
Hydrolysis, 15
Hyperparasitism, 29
Hypersensitive reaction, 59
Hypoglycaemic properties, 27
Hypothenemus, 5, 9, 12, 18, 19, 22, 24, 25, 26, 27, 29, 31, 40, 53, 58, 60, 68, 69, 74, 83
Hypothenemus hampei, 5, 9, 12, 18, 19, 22, 24, 25, 26, 27, 29, 31, 53, 58, 60, 68, 69, 83

I

Iced coffee, 42
Image analysis, 59, 60
Imperfect competition, 45
Imports, 45
In situ conservation, 57, 70
In vitro, 5, 14
Incorporation, 53
Indicator species, 57, 70
Indicators, 46, 47
Indigenous organisms, 62
Indonesia, 3
Infection, 31, 60, 68
Infestation level, 60
Information management, 58
Information processing, 61
Infrared drying, 37
Infrared spectroscopy, 49
Infrastructure, 12
Inga, 2, 18, 26, 83
Inhibition, 53
Inoculum, 50
Insect attractants, 12
Insect control, 12
Insect pests, 12, 26, 29, 30, 31, 43, 44, 50, 67, 68
Instant coffee, 5, 7, 41, 61, 74, 79, 82
Instantaneous Controlled Pressure Drop, 62
Institutional reforms, 3
Integrated pest management, 25
Intensification, 54
Inter and intraspecific competition, 5
Interaction, 27
Intercropping, 9, 26, 31, 32
Intercrops, 31
Interest groups, 16
Interfacial rheology, 59

International linkages to development, 69
International trade, 13, 29, 51
International transport, 47
Internet based, 58
Intersensory balance, 20
Intra and inter specific resource competition, 22
introgression, 48, 51
Introgression, 51
Invasion, 22
Investment, 26
Invitro culture, 10
Invitro generation, 10
Ions, 49
Iphiseiodes zuluagai, 8
Iron, 49
Irradiance, 59
Irrigated farming, 44
Irrigation, 1, 3, 4, 13, 31
Islands, 48
Isoenzymes, 69
Isolation, 5, 18, 59, 78
Isomers, 65

K

Kahweol, 2, 39, 56, 62, 78
Karl Fischer, 37
Kinetics, 32, 36, 44, 78

L

Lactones, 56, 65
Land suitability, 3, 11
Land use, 12, 27, 28, 30, 32, 33
Landscape matrices, 6
Larvae, 44, 50
Latin America, 65, 66, 71
LC MS, 56, 57
LCA, 1
leaf analysis, 14
Leaf area, 27
Leaf conductance, 13, 59
Leaf miners, 50, 57
Least Developed Countries, 44
Leaves, 6, 7, 9, 13, 14, 17, 21, 24, 28, 31, 44, 59, 67, 69, 71, 80
Leaves roots, 17
Leghaemoglobin, 26
Leguminous trees, 18
Lepidoptera, 55, 77
Leucoptera coffeella, 5, 8, 24, 30, 55, 67, 77
Life tables, 50

Light relations, 49
Light sensitive detector, 7
Lignification, 46, 69
Linear models, 43
Linoleic acid, 43
Lipid peroxidation, 50
Litter (plant), 50
Litter decomposition, 38
Litter residence time, 23
Litter thickness, 23
Liver, 56
Local population, 12
Logging, 12
Logistic regression, 61
Losses from soil, 15
Low calorie foods, 17
Low grade, 54, 73
Lumber, 54
Lyonetiidae, 55, 77

M

Macropores, 27, 30
Macroporosity, 23
Magnesium, 44
Maillard reaction, 22, 40, 75, 84
Maize, 29, 32
Malate dehydrogenase, 16
Mammals, 36
Management practices, 21
Manganese, 13
Mankinds, 52
Mannans, 52
MAP kinase like activity, 4
Marital interaction, 48
Market competition, 45
Market power, 38
Market prices, 29
Marketing, 13, 15, 29, 46, 69, 72
Marketing channels, 15
Mass spectrometry, 61, 63, 76, 86
Mass transfer, 35, 41, 60
Mathematical models, 49
Matrix, 41
Means end chains, 39
Mechanisms, 58
Medicinal plants, 27
MEKC, 38
Melanesia, 48
Melanoidins, 40
Meloidogyne, 10, 11, 13, 14, 16, 29, 41, 81, 85
Meloidogyne konaensis, 11
Messenger RNA, 26, 28
Metabolic enzymes, 2

Metabolism, 26
Metal ions, 49
Metals, 49
Metarhizium anisopliae, 58, 68
Meteorological factors, 63
Methanol, 12
Methodology, 32, 66
Methods, 16, 64, 67, 70, 71
Methods and techniques, 64
Methyl bromide, 27
Methyl jasmonate, 31
Mex 1, 13, 41
Mexico, 2, 15, 18, 19, 25, 26, 34, 36, 62, 65, 72, 74, 77, 80, 81
Microbial activities, 44
Microbial contamination, 29
Microbial succession, 62
Microclimate, 15, 34, 43
Micronucleus, 2
Micropropagation, 10
Microsatellites, 44
Microscopy, 36
Milk fat, 23, 30
Milkiness, 20
Mineral content, 13
Mineral uptake, 13
Mineralization, 38, 44, 83
Moisture content, 37, 43, 47
Molecular biology, 52
Molecular biophysics, 69
Molecular genetics, 28, 31
Molecular genetics (Biochemistry and molecular biophysics) genotype, 67
Monitoring, 23, 30, 49
Monsooning, 22
Montane rainforest, 19
Mortality, 50, 68
Motives, 39
Mountain forests, 70
Multinationals, 38
Multiple cropping, 15
Multiple versus single-species release, 22
Multipliers, 51
Multispectral imagery, 49
Mutualism, 25, 28
Mycelial life form, 7
Mycoflora, 22
Mycorrhizal fungi, 45
Mycorrhizas, 45

N

N methyltransferase, 19, 26
N nitrosodimethylamine, 2
N₂ fixation, 2

Na, 36
Natural consumption situation, 42
Natural disasters, 45
Natural enemies, 25
Natural enemy, 60
Natural occurrence, 60, 69
Natural resources, 72
Natural Resources, 69
Natural enemies, 68
NDRI, 23
Nervous System, 70
Networks, 72
Neural networks, 49, 60
Neuroprotection, 62
New Caledonia, 33, 48
New host records, 46
NF E2 related factor 2, 62
Nicaragua, 10, 21, 76
Nicotinic acid, 57
Nitric acid, 49
Nitric oxide, 22
Nitrification, 44, 83
Nitrogen, 18, 26, 27, 35, 65, 82
Nitrogen fixation, 18
Nitrogen fixing trees, 26, 27, 30
NMR, 21, 61, 82
Nodulation, 26
Nodules, 26
Non governmental organizations, 13
Northern Andes, 6
Nose, 30
Nuclear energy, 34
Nuclear factor erythroid 2 p45 related factor 2, 58
Nuclear intergenic regions, 24
Nucleation, 21
Nuclei, 27
Nucleosidases, 14
Nucleotide sequences, 44, 47, 51
Nutrient availability, 13
Nutrient content, 13, 44, 65
Nutrient remobilization, 14
Nutrient uptake, 13
Nutrients, 15, 36, 76
Nutritive value, 48

O

Occurrence, 68
Oceania, 48
Ochratoxin, 3, 10, 16, 38, 47, 59, 78, 79
Ochratoxin A, 3, 38, 59, 78, 79
Oil body, 23
Oleosin, 23
Oligonychusilicis, 8

Oligosaccharides, 61, 71, 86
On line measurements, 60
On line measures, 35
Opinions, 12
Oral breath sampling, 23, 30
Oranges, 47
Organelles, 13
Organic, 3, 18, 35, 38, 41, 46, 47, 76
Organic coffee, 3, 76
Organic farming, 26
Origins, 35
OTA, 3, 25, 78
Other primary products, 69, 72
Outturn, 11
Ova, 50, 67
Oven, 25, 37
Oviposition, 29, 44
Oxidative stress, 70, 74
Oxisols, 44
Oxygen, 68

P

P Cymene, 55
P38 kinase, 62
Pacific Islands, 48
Packed coffee drinks, 6
Palmae, 3
Parasitic disease phenotype, 16
Parasitism, 11, 77
Parasitoids, 29, 50
Parasitology, 16
Participation, 29, 46
Participatory elephant conservation, 8
Particle, 56, 86
Particle change, 64
Pathogenesis, 12
Pathogenicity, 68
PCA analysis, 56
Peclet number, 38
Perceptions, 4
Perineal pattern, 16
Peroxidase, 22, 59, 69
Peru, 54
Pest control, 12, 25, 29
Pest resistance, 13, 31, 49
Petioles, 11
pH, 41
Phaseolus coccineus, 18, 26
Phenol, 68
Phenolic acids, 38
Phenolic compounds, 24, 29, 31, 43, 67
Phenolics, 22
Phenolis contents, 53
Phenology, 49

Phenols, 29
Phenotypic plasticity, 59, 80
Pheromone traps, 30
PhIP, 2
Phosphatidylinositol 3 kinase, 62
Phosphoenolpyruvate carboxykinase, 27
Phospholipids, 5
Phosphorus, 13, 45, 65
Photosynthesis, 12, 13, 80
Photosynthesis induction, 12
Phyllody, 46
Phylogenetic analysis, 59
Phylogenetic origin, 31
Phylogenetic relationship, 67
Phylogenetics, 44, 46, 61
Phylogeny, 24, 34, 56, 61
Phymastichus coffea, 9, 19, 29, 74
Physical activation, 58
Physical properties, 14, 25, 50, 65, 70
Pichia anomala, 23, 25
Pichia kluyveri, 23, 25
Pigeon peas, 31
Pinopsida, 46
Plant anatomy, 43
Plant communities, 70
Plant composition, 9, 10, 26, 65, 71
Plant development, 81
Plant disease control, 32, 43
Plant diseases, 11, 31, 43, 46, 50, 51, 68, 69
Plant extracts, 12, 27
Plant genetic resources, 49
Plant growth regulators, 10, 31
Plant height, 27, 43, 47, 65
Plant nutrition, 13, 65
Plant oils, 64
Plant parasitic nematodes, 13, 29, 49
Plant pathogen interactions, 23
Plant pathogenic bacteria, 11, 32, 43, 46, 47
Plant pathogenic fungi, 31, 32, 50, 51, 68, 69
Plant pathogens, 11, 31, 32, 43, 46, 47, 50, 51, 68, 69
Plant pests, 12, 13, 26, 28, 29, 30, 31, 43, 44, 49, 50, 67, 68
Plant resistance, 24
Plant tissues, 43
Plantation, 1
Planting stock, 27
Plants, 44, 46, 48, 51, 65, 66, 71
Plastics, 12
Plastid, 34
Pleurotus, 2, 9
Poliovirus, 54
Politics, 12
Polycyclic aromatic hydrocarbons, 5, 80
Polygalacturonase, 23
Polyphenoloxidase, 24, 31
Polyphenols, 62, 75
Polysaccharides, 61, 71
Population density, 27, 28, 30, 43, 45
Population dynamics, 50
Population genetics (Population studies), 67
Pore volume, 68
Porosity, 27, 30
Portable chlorophyll meter, 6
Position, 11, 29
Post harvest process, 40
Post harvest treatment, 39, 85
Potassium, 13, 68
Potato chips, 24
Poverty, 51
Powders, 12, 56
Pratylenchus, 10, 29, 81
Precipitation, 15
Predation, 50, 77
Predator prey relationships, 50
Predators, 28, 50
Predatory mites, 28
Predictive modelling, 6
Preference mapping, 7
Prey, 28
Price elasticities, 45
Price formation, 29
Prices, 13, 26, 28, 30, 46, 51, 69
Pricing, 69
Principal component analysis, 66, 76, 84
Pro oxidant activity, 22
Procedures, 35
Process control, 14
Processing, 2, 5, 70
Producer prices, 29
Production, 2, 9, 10, 30, 34, 48, 53, 69
production structure, 45
Profitability, 43
Progeny, 11, 49
Prolate spheroidal geometry, 60
Prorops nasuta, 5, 22, 83
Protein, 22, 43, 84
Protein content, 29
Proteins, 18
Proteome, 81
Proximal composition, 2
Proximate composition, 24
Pruning, 31, 43, 46, 47, 51
Pruning techniques, 31
Pulp, 9
Pupae, 44, 50
Purchasing habits, 28

Purine metabolism, 7, 19
Putrescine, 8, 16, 43
PVA, 63
Pyrolysis, 36, 54
Pyrones, 68

Q

QualisaFoo(R) kit, 39
Qualitative analysis, 15
Quality, 6, 7, 9, 21, 39, 42, 74, 85
Quantitative analysis, 65
Quinides, 56

R

Racemisation value, 7
Radical scavenging, 5
Rain, 15, 70
Rat, 56
Rats, 55
Real time PCR, 38
Recycling, 36, 44
Reducing power, 54
Reducing sugars, 22, 29
Reductive power, 5
Reference standards, 32
Reflectance, 49
Refractive index detector, 7
Regulation, 13, 68
Relative humidity, 43, 44, 47, 67
Remote sensing, 49
Rent, 16
Reproductive behaviour, 13
Residue, 54
Resistance, 1, 17, 59, 85
Resistance chemicals, 17
Retail and wholesale, 69
Retail prices, 45
Retail store type, 39
Retronasal, 23
Rhizosphere, 26, 45
Rhizosphere bacteria, 26
Rial photography, 49
Rice, 29, 54, 63
Rio off flavor, 20
Ripening stage, 11
Risk, 18, 28
Riverridae, 3
RNA interference, 26
RNAi, 19
Roasted, 19, 24, 36, 39, 75, 82, 83

Roasting, 7, 8, 14, 15, 16, 25, 30, 35, 36, 37, 40, 43, 56, 60, 65, 66, 75, 76, 78, 80, 84, 86
Robusta coffee, 3, 9, 11, 64, 84
Role of international organizations, 69
Root, 2, 11, 13, 18, 31, 41, 81
Root knot nematode, 11, 41, 81
Root nodule bacteria, 2, 18
Root nodules, 26
Root systems, 13
Roots, 13, 26, 27, 52, 65
Rootstocks, 13
Rotating cylinder, 25
Rotations, 29
Roughness, 50, 57
Row spacing, 51
Rubber, 30
Rubiaceae, 7, 9, 17, 18, 19, 24, 34, 44, 48, 51, 61, 65, 66, 71
Rubiaceae, 34
Rubiales, 44, 48, 51, 65, 66, 71
Rubioideae, 61
Run off, 15
Rural areas, 45, 51
Rustic coffee, 7

S

SAFES, 36
Safety, 39
Saprotrophic fungi, 7
Sawnwood, 63
Scanning electron microscopy, 49
Scorpion neurotoxin, 58
Seasonal variation, 50
Secondary education, 45
Secondary treatment, 44
Sediment, 61
Seed, 36, 51, 56, 68, 72
Seed development, 36
Seedlings, 27
Segmentation tree, 25
Selection, 11, 32
Selenium, 50
Sensory analysis, 61
Sequence data, 67
Serotonin, 43
Services, 15, 52
Sewage sludge, 9
Sex pheromones, 30
Sex ratio, 44
Shadding, 15
Shade, 3, 4, 12, 15, 25, 27, 38, 43, 45, 49, 50, 51, 54, 57, 62, 77, 80, 82
Shade coffee, 4, 15, 54, 62

Shade grown coffee, 3
Shade trees, 25, 30, 43, 45, 49
Shelf life, 61, 74
Shifting cultivation, 27, 30
Shoots, 13, 26, 27, 65
Shrubs, 70
Silage, 48
Silage fermentation, 48
Silver oak, 41
Simulation, 49, 54
Simulation models, 49
Single nucleotide polymorphism, 47
Size distribution of firms, 69
Slope, 27, 30, 70
Small mammals, 43
Smell, 61
SMolecular data, 61
Social change, 13
Social insects, 50
Socio cultural environment, 15
Sodium, 44
Soil, 2, 7, 13, 15, 18, 25, 26, 27, 30, 34, 38, 42, 43, 44, 45, 46, 47, 50, 65, 81, 82, 83
Soil biodiversity, 7
Soil conservation, 15
Soil invertebrates, 46, 47
Soil moisture, 42
Soil moisture fluctuation, 34
Soil organic matter, 27, 30, 38, 44, 46, 47
Soil physical properties, 50, 65
Soil quality, 38
Soil solution, 44
Soil structure, 27, 30
Soil types, 27, 30, 44, 45, 65
Soil water content, 13, 43, 50
Solar collectors, 27
Solar radiation, 15, 43
Solid liquid extraction, 41
Solid phase extraction, 35
Solvent mixtures, 62
Somatic embryogenesis, 33
South America, 65, 66, 71
Sowing rates, 9
Soyabeans, 31
Spatial distribution, 50
Spatial variation, 50
Specialist parasitoid, 19
Specialty coffee, 58
Species diversity, 45, 70, 72
Species richness, 43, 45, 70, 72
Spectroscopy, 32, 49
Spermatophyta, 44, 46, 48, 51, 65, 66, 71
Spermidine, 16
Spermine, 16
Spider mites, 57
Spin spin relaxation, 36
SPME, 39, 40, 56, 76, 80
Spontaneously hypertensive rat, 22
Spray freezing, 21
Stand structure, 43
Standards, 8, 16
Statistical methods, 10, 33, 52, 63
Stems, 31, 47
Steroleosin, 23
Sterols, 56
Stomata, 13
Stomatal conductance, 12
Storage, 63, 78
Strains, 47
Strawberries, 29
Structure, 34, 49, 62, 67, 69
Subsidies, 28
Subsistence, 4, 70
Substrates, 27
Sucrose, 21, 43, 57, 84, 85
Sucrose phosphate synthase, 21
Sugarcane, 12
Sulfotransferase, 56
Sulfur, 49
Sunn hemp, 31
Supercritical carbon dioxide extraction, 39
Superoxide dismutase, 50
Supply response, 30, 48
Surface area, 49
Surface properties, 58
Surface tension, 40
Surveys, 13, 29
Survival, 28, 74, 79
Sustainability, 2, 8, 16, 21, 29
Sweden, 38, 45
Symptoms, 46
Systemic acquired resistance, 28
Systemic action, 17

T

Tannin, 22, 29
Tar, 54
Target groups, 16
Taxodiaceae, 46
Taxonomy, 9, 44, 46
Tea, 20, 30, 42
Techniques, 32, 64, 67, 70, 71
Temperature, 6, 32, 43, 47, 48, 67
Temperature effect, 48
Temporal variation, 46, 47, 50
Terracing, 15
Theobromine, 26
Threshold Countries, 65, 66, 71

Time allocation, 45
Tissue culture, 10, 33
Tobacco, 20, 26
Torrefacto, 20, 22
Torrefacto roast, 22
Total digestible nutrients, 48
Total phenolics, 5
Trade, 10, 13, 19, 21, 29, 33, 42, 52, 53, 69, 76
Trade liberalization, 29, 51
Trade marks, 19, 52
Trade policies, 10
Transactional relationships, 72
Transcription Cunninghamia, 46
Transferases, 34
Transgenic plants, 19, 26, 73
Translocation, 27
Transpiration, 13, 41
Trapping, 12
Traps, 12
Treated wastewater, 36
Tree diversity, 62
Trees, 26, 27, 30, 43, 45, 49, 70
Triacylglycerol, 7, 63, 72
Triage, 54
Trigonelline, 2, 6, 9, 19, 20, 28, 57, 84, 86
Trolox equivalent antioxidant capacity, 5
Tropical forests, 12
Tropical tree species richness, 42
Tropics, 46, 47, 77
Trp P 2, 37
Tryptamine, 16, 43
Tyramine, 8, 16

U

Uncertainty, 26
Ureides, 35
UV/vis spectrophotometer, 59

V

Valuation, 16
Values, 39
Variability, 16, 35
Varieties, 12, 16
Vasodilation, 22
Vegetated strips, 15
Vegetation, 43, 62, 70, 81
Veracruz, 62, 72, 81
Vesicular arbuscular mycorrhizas, 45
Vibration, 4
Vietnam, 3, 4, 11, 13, 26, 52, 65
Vinegar, 12

Virtual water, 42
Virucidal, 54
Virulence, 68
Volatile, 63, 66, 72
Volatile compounds South America, 66
Volatiles profile, 56, 80
Woody plants, 45

W

Waste utilization, 44
Waste water, 44, 64
Waste water treatment, 44, 64
Water activity, 6, 43, 48
Water availability, 9, 13, 50
Water balance, 4
Water content, 25, 32
Water deficit, 21
Water footprint, 42
Water mobility, 36
Water power, 12
Water reuse, 44
Water use efficiency, 41
Watershed functions, 4
Watersheds, 12, 27, 30
Weibull model, 61
Weibull survival regression, 3
Weight loss, 25
Welfare economics, 13, 46
Wet season, 17, 50
Wetting, 40
Wheat flour, 24, 32
Wheat straw, 2, 9
Whey, 23, 30
Whey proteins, 23
White coffee appearance, 20
Wild birds, 43
Wild relatives, 43, 67
Wildlife damages, 8
Women, 48
Wood products, 63
Woody plants, 26, 27, 30, 43, 49, 70
World markets, 29
WRKY transcription factor, 23

X

X-radiation, 49
Xylella fastidiosa, 11, 16, 31
Xylem, 11, 31, 43

Y

Yeasts, 62

Yield, 1, 25, 53
Yield set, 1
Young adults, 6

Z

Zinc, 13, 49
Zygotic embryos, 81