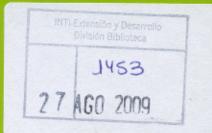
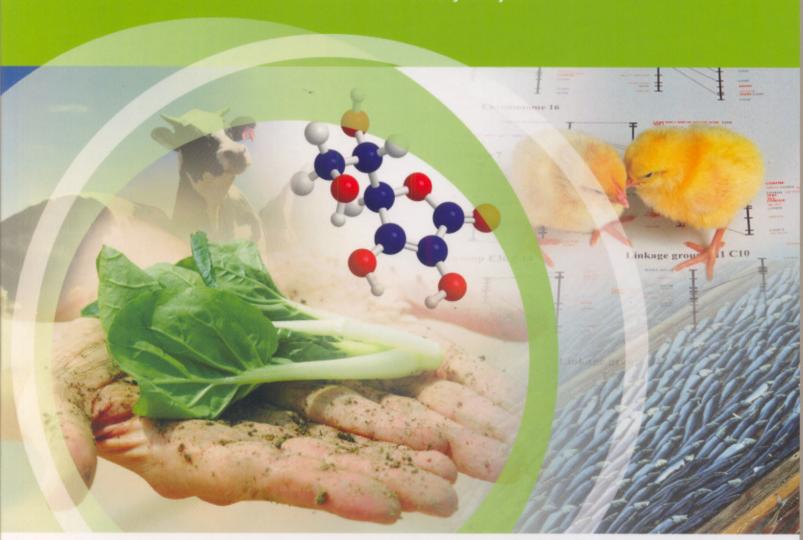


15 August 2009 ◆ Volume 89 ◆ Issue No 10 ◆ ISSN 0022-5142 Published online in Wiley Interscience 4 June –8 June 2009



Science of Food and Agriculture

www.interscience.wiley.com/jsfa





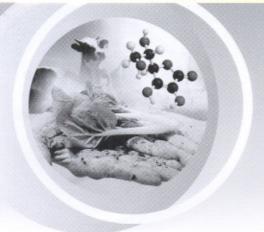
Journal of the SCI Science of Food and Agriculture

Volume 89 Issue No 10 15 August 2009 www.interscience.wiley.com/jsfa



Research Articles

The combined effect of superchilling and modified atmosphere packaging using CO ₂ emitter on quality during chilled storage of pre-rigor salmon fillets (Salmo salar) AÀ Hansen, T Mørkøre, K Rudi , Ø Langsrud and T Eie (Norway)	1625
Optimization of enzymatic extraction of ferulic acid from wheat bran, using response surface methodology, and characterization of the resulting fractions H Barberousse (Belgium), A Kamoun, M Chaabouni (Tunisia), J-M Giet, O Roiseux, M Paquot, C Deroanne and C Blecker (Belgium)	1634
Inhibition of rice bran lipase by azadirachtin from <i>Azadirachta indica</i> Gangadhara, P Ramesh Kumar and V Prakash (India)	1642
Effect of dietary fibre and MTGase on the quality of mackerel surimi gels C Cardoso, R Mendes, P Vaz-Pires and ML Nunes (Portugal)	1648
Essential oil, fatty acid and sterol composition of Tunisian coriander fruit different parts J Sriti (Tunisia), T Talou (France), WA Wannes (Tunisia), M Cerny (France) and B Marzouk (Tunisia)	1659
Volatile profile and potential of inactive dry yeast-based winemaking additives to modify the volatile composition of wines MÁ Pozo-Bayón, I Andújar-Ortiz and MV Moreno-Arribas (Spain)	1665
Evaluation of the effect of plant extracts and phenolic compounds on reduction of acrylamide in an asparagine/glucose model system by RP-HPLC-DAD F Zhu, Y-Z Cai (Hong Kong), J Ke (Singapore) and H Corke (Hong Kong)	1674
Nutrient solution concentration and growing season affect yield and quality of <i>Lactuca sativa</i> L. var. <i>acephala</i> in floating raft culture C Fallovo (Italy), Y Rouphael (Lebanon), E Rea, A Battistelli and G Colla (Italy)	1682
Low-temperature conditioning combined with methyl jasmonate treatment reduces chilling injury of peach fruit P Jin, K Wang, H Shang, J Tong and Y Zheng (China)	1690
In vitro gas production profiles and fermentation end-products in processed barley, maize and milo A Azarfar (Iran), K Namgay, WF Pellikaan, S Tamminga and AFB van der Poel (The Netherlands)	1697
Effects of storage condition and domestic cooking on the quality and nutrient content of African leafy vegetables (Cassia tora and Corchorus tridens) S Prabhu and DM Barrett (USA)	1709
Antioxidant and melanogenesis-inhibitory activities of collagen peptide from jellyfish (Rhopilema esculentum) Y Zhuang, L Sun, X Zhao, J Wang, H Hou and B Li (China)	1722



SCI Journal of the Science of Food

www.interscience.wiley.com/jsfa

Contents continued	esei
Alternate wetting and moderate soil drying increases grain yield and reduces cadmium accumulation in rice grains J Yang, D Huang, H Duan, G Tan and J Zhang (China)	172
Effects of dietary black cumin seed (<i>Nigella sativa</i> L.) on performance, egg traits, egg cholesterol content and egg yolk fatty acid composition in laying hens S Yalçın, S Yalçın, H Erol, KE Buğdaycı, B Özsoy and S Çakır (Turkey)	173
Discrimination of climacteric and non-climacteric melon fruit at harvest or at the senescence stage by quality traits JM Obando-Ulloa (Spain), M-M Jowkar (Iran), E Moreno (Spain), MK Souri (Iran), JA Martínez, MC Bueso, AJ Monforte and JP Fernández-Trujillo (Spain)	174
Nutrient variation and availability of wheat DDGS, corn DDGS and blend DDGS from bioethanol plants WG Nuez Ortín and P Yu (Canada)	175
Composition and anti-inflammatory activities of Zanthoxylum schinifolium essential oil: suppression of inducible nitric oxide synthase, cyclooxygenase-2, cytokines and cellular adhesion J-H Lee, K-M Chang and G-H Kim (Korea)	176
Air injection into concentrated maple sap during processing: impact on syrup composition and flavour AK van den Berg, TD Perkins, ML Isselhardt, MA Godshall and SW Lloyd (USA)	177
Effects of dietary microalgae, other lipid sources, inorganic selenium and iodine on yolk n-3 fatty acid composition, selenium content and quality of eggs in laying hens L Rizzi, D Bocchicchio, A Bargellini, P Parazza and M Simioli (Italy)	177
Efficacy of trivalent chromium on growth performance, carcass characteristics and tissue chromium in heat-stressed broiler chicks L-Y Zha, J-W Zeng, X-W Chu, L-M Mao and H-J Luo (China)	178
Proteomic characterisation of subclover seed storage proteins during germination	178

I Sahnoun-Abid (Tunisia), G Recorbet, H Zuber, N Sommerer, D Centeno, E Dumas-Gaudot (France) and S Smiti-Aschi (Tunisia)

Journal of the Science of Food and Agriculture

www.interscience.wiley.com/jsfa



Contents continued

Short Communication

Screening of mycotoxin multicontamination in medicinal and aromatic herbs sampled in Spain

1802

L Santos, S Marín, V Sanchis and AJ Ramos (Spain)

SCI — the only society connecting science, business & you

Whatever stage you are at in your career SCI can be an invaluable tool. If it is networking with potential employers, learning from fellow peers or taking an active role within your local regional group, SCI will be there to add to and support your further and ongoing development. Become an SCI member. Here are just a few of the great products and services you can get:

- Chemistry & Industry Magazine Latest news features and reviews, direct to your desktop and to your door twice a month.
- 50% discount on Wiley books, 25% off Blackwell books and 20% off Oxford University press books (some exceptions apply).
- Discounted Conferences 75% off our exciting conferences.
- Global Networking Opportunities A chance to meet other like minded professionals working within the chemical industry and academia.
- Technical Interest Groups Over 20 industry and topic specific groups to discuss, share and discover development within your sector.
- Writing and speaking opportunities Present at one of our prestigious conferences and write for the SCI's renowned journals.
- 50% discount on SCI peer reviewed journals.
- International and Regional activity Contribute to your local group and take advantage of free events and the local networking opportunities.
- SCI Awards Achieve recognition of outstanding contribution to your field within the chemical industry, serving both the individual and innovation.
- Plus much more.

For more information or to join visit www.soci.org or call +44 (0)20 7598 1500