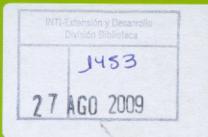
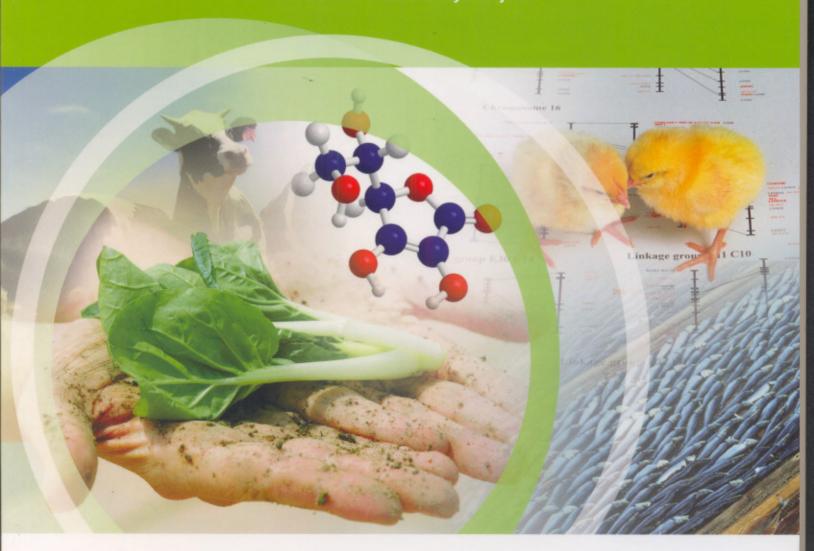


July 2009 ● Volume 89 ● Issue No 9 ● ISSN 0022-5142 Published online in Wiley Interscience 28 April—27 May 2009



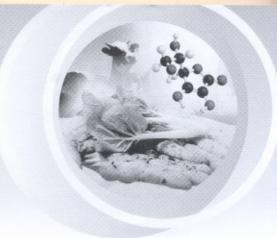
Science of Food and Agriculture

www.interscience.wiley.com/jsfa





Volume 89 Issue No 9 July 2009 www.interscience.wiley.com/jsfa



Perspective

M Abadias, J Usall, I Alegre, R Torres and I Viñas (Spain)

| Time for a shift in crop production: embracing complexity through diversity at all levels H Østergård (Denmark), MR Finckh (Germany), L Fontaine, I Goldringer (France), SP Hoad (UK), K Kristensen (Denmark), ET Lammerts van Bueren (The Netherlands), F Mascher (Switzerland), L Munk (Denmark) and MS Wolfe (UK) | 1439 | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| Research Articles | | |
| The content and distribution of condensed tannins in different species of the genus sorghum (Sorghum Moench) and their effect on seed protein electrophoresis M-X Liu, Y-W Wang, J-G Han and P-S Mao (China) | 1446 | |
| Construction of cold-triggered/heat-destroyed emulsions for use as a practical cold-storage thermal history indicator T Mizoguch, K Nagata, M Kitsunai, K Hirose, A Hirasawa and K Chiba (Japan) | 1453 | |
| Responses of intake, digestibility and nitrogen utilisation in goats fed low-quality roughages supplemented with tree foliages AK Patra (India) | 1462 | |
| Impact of volatile compounds generated by essential oils on Aspergillus section Flavi growth parameters and aflatoxin accumulation R Bluma, MF Landa and M Etcheverry (Argentina) | 1473 | |
| Effects of cooking and reheating methods on the fatty acid profile of sea bream treated with rosemary extract Y Ozogul, G Ozyurt and E Kuley Boga (Turkey) | 1481 | |
| Evaluation of compositional and nutritional equivalence of genetically modified rice to conven rice using in situ and in vitro techniques B Lin, Z Tan, G Xiao, M Wang, Z Cong, S Wang, S Tang, C Zhou, Z Sun and W Wang (China) | ntional 1490 | |
| Chemical characterisation of CTC black tea of northeast India: correlation of quality parameter with tea tasters' evaluation LP Bhuyan, A Hussain, P Tamuly, RC Gogoi, PK Bordoloi and M Hazarika (India) | rs 1498 | |
| Instrumental and sensory characterisation of industrially processed applesauces M Colin-Henrion, E Mehinagic, C Patron and F Jourjon (France) | 1508 | |
| Low humidity after harvest changes the abscission site in bunch cherry tomatoes O Dvir, I Farber, M Rom, A Rachman, D Beno-Moualem, S Meir and A Lichter (Israel) | 1519 | |
| Fate of Escherichia coli in apple and reduction of its growth using the postharvest biocontrol agent Candida sake CPA-1 | 1526 | |



SCI Jour Sci

Science of Food and Agriculture

www.interscience.wiley.com/jsfa

| Contents continued | erspec |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| The effect of salinity on the growth, yield and essential oils of turnip-rooted and leaf parsley cultivated within the Mediterranean region SA Petropoulos, D Daferera, MG Polissiou and HC Passam (Greece) | 153 |
| Structural changes, chemical composition and antioxidant activity of cherry tomato fruits (cv. Micro-Tom) stored under optimal and chilling conditions P Gómez, MÁ Ferrer, JP Fernández-Trujillo, A Calderón, F Artés, M Egea-Cortines and J Weiss (Spain) | 154 |
| α-Glucosidase and α-amylase inhibitory activities of phloroglucinal derivatives from edible marine brown alga, <i>Ecklonia cava</i> S-H Lee (South Korea), Y-Li (South Korea, China), F Karadeniz, M-M Kim and S-K Kim (South Korea) | 155 |
| Effects of modified atmosphere packaging with different sizes of silicon gum film windows on Salicornia bigelovii Torr. storage D-H Lu, M Zhang (China), S-J Wang (USA), J-L Cai, C-P Zhu and X Zhou (China) | 155 |
| The response of phenylalanine ammonia-lyase, polyphenol oxidase and phenols to cold stress in the olive tree (<i>Olea europaea</i> L. cv. Picual) F Ortega-García and J Peragón (Spain) | 156 |
| Mycotoxins in fuel ethanol co-products derived from maize: a mass balance for deoxynivalenol AW Schaafsma, V Limay-Rios, DE Paul and JD Miller (Canada) | 157 |
| Effect of manure and mineral fertilisation on pepper nutritional quality P Flores, P Hellin and J Fenoli (Spain) | 158 |
| Dehulling characteristics, sensory and functional properties of flours from selected cowpea varieties EO Amonsou (Benin, Ghana), PA Houssou (Benin), E Sakyi-Dawson and FK Saalia (Ghana) | 158 |
| Study on biological activities of <i>Physalis alkekengi</i> var. <i>francheti</i> polysaccharide Y Ge, Y Duan, G Fang, Y Zhang and S Wang (China) | 159 |
| Optimization of hydrolysis of sardine (Sardina pilchardus) heads with Protamex: enhancement of lipid and phospholipid extraction J Dumay, M Allery, C Donnay-Moreno, G Barnathan, P Jaouen (France), ME Carbonneau (Canada) and JP Bergé (France) | 159 |

Journal of the Science of Food and Agriculture SCI



1622

www.interscience.wiley.com/jsfa

Injection of marinade with actinidin increases tenderness of porcine M. biceps femoris and affects myofibrils and connective tissue M Christensen, MA Tørngren, A Gunvig, N Rozlosnik, R Lametsch, AH Karlsson and P Ertbjerg (Denmark) Essential elements and contaminants in tissues of commercial pelagic fish from the Eastern Mediterranean Sea B Ersoy and M Celik (Turkey)

| Erratum | 1623 |
|---------|------|

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.

Contents continued

Erratum

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