



# Journal of the Science of Food and Agriculture

[www.interscience.wiley.com/jsfa](http://www.interscience.wiley.com/jsfa)







## Perspective

### Dairy cows trapped between performance demands and adaptability

W Knaus (Austria)

1107

## Research Articles

### Preparation of anti-danofloxacin antibody and development of an indirect competitive enzyme-linked immunosorbent assay for detection of danofloxacin residue in chicken liver

Z Liu, S Lu, C Zhao, K Ding, Z Cao, J Zhan, C Ma, J Liu and R Xi (China)

1115

### Grafting tomato plant on tobacco plant and its effect on tomato plant yield and nicotine content

AE Yasinok, FI Sahin, F Eyidogan, M Kuru and M Haberal (Turkey)

1122

### Expression analysis of endo-1,4- $\beta$ -glucanase genes during aril breakdown of harvested longan fruit

R Xiao, J-Y Chen, J-W Chen, M Ou, Y-M Jiang, H-T Lin and W-J Lu (China)

1129

### Quantitative real-time PCR assays to detect DNA degradation in soy-based food products

SR Murray, RC Butler and GM Timmerman-Vaughan (New Zealand)

1137

### Multitoxin extraction and detection of trichothecenes in cereals: an improved LC-MS/MS approach

A Santini, R Ferracane, MC Somma (Italy), A Aragón (Argentina) and A Ritieni (Italy)

1145

### Stability and antioxidative properties of acylated anthocyanins in three cultivars of red cabbage (*Brassica oleracea* L. var. capitata L. f. rubra)

B Pliszka, G Huszcza-Ciołkowska, E Mielezsko and S Czaplicki (Poland)

1154

### Effects of short-term N<sub>2</sub> treatment on quality and antioxidant ability of loquat fruit during cold storage

H Gao, F Tao, L Song, H Chen, W Chen, Y Zhou, J Mao and Y Zheng (China)

1159

### Nanoparticles of chromium picolinate enhance chromium digestibility and absorption

T-F Lien, H-S Yeh, F-Y Lu and C-M Fu (Taiwan)

1164

### Use of rosemary and *Hibiscus sabdariffa* in production of kavurma, a cooked meat product

H Bozkurt and KB Bellibağlı (Turkey)

1168

### Effect of pectin on plasma lipids and caecal enzyme activity in rutin-supplemented mice

M Tamura, K Hirayama and K Itoh (Japan)

1174





SCI

Journal of the  
Science of Food  
and Agriculture

www.interscience.wiley.com/jsfa

Contents continued

- Characterization of ginger proteases and their potential as a rennin replacement** 1178  
H-P Su, M-J Huang and H-T Wang (China)
- Effect of the types and concentrations of alkali on the color of cocoa liquor** 1186  
P Rodríguez, E Pérez and R Guzmán (Venezuela)
- Optimization of a gastrointestinal model applicable to the evaluation of bioaccessibility in fish feeds** 1195  
M Hamdan, FJ Moyano and D Schuhardt (Spain)
- Detection of horse DNA in food and feedstuffs using a polymerase chain reaction assay** 1202  
I Martín, T García, V Fajardo, M Rojas, PE Hernández, I González and R Martín (Spain)
- Antioxidant activity determines on-tree maturation in 'Golden Smoothie' apples** 1207  
D Molina-Delgado, C Larrigaudière and I Recasens (Spain)
- Influence of nitrogen fertilizer application rate on winter wheat (*Triticum aestivum* L.) flour quality and Chinese noodle quality** 1213  
D Ma, T Guo (China), Z Wang (Canada), C Wang, Y Zhu and Y Wang (China)
- Chemical affinities between the major volatile compounds present in a grape pomace distillate** 1221  
S Cortés, ML Gil and E Fernández (Spain)
- A consumer study of fresh juices containing berry fruits** 1227  
I Endrizzi, G Pirretti, DG Calò and F Gasperi (Italy)
- No improvement in fruit quality through chemical flower thinning in sweet cherry (*Prunus avium* L.)** 1236  
K Schoedel, A Denk, S Hummelbrunner, P Modl and A Forneck (Austria)
- Chemical composition and insecticidal properties of *Cinnamomum aromaticum* (Nees) essential oil against the stored product beetle *Callosobruchus maculatus* (F.)** 1241  
R Islam (Korea), RI Khan (Bangladesh), SM Al-Reza, YT Jeong, CH Song (Korea) and M Khalequzzaman (Bangladesh)

## Short Communications

- Volatile and non-volatile acids of noni (*Morinda citrifolia* L.) fruit** 1247  
JA Pino, E Márquez and D Castro (Cuba)

Note to NIH Grantees

Contents continued overleaf



