

# European Food Research & Technology

Official Organ of the EuCheMS/Division of Food Chemistry

Volume 242 · Number 7 · July 2016

## ORIGINAL PAPERS

**Odour-active volatiles in lupin kernel fibre preparations (*Lupinus angustifolius* L.): effects of thermal lipoxygenase inactivation**

M. Stephany · K. Kapusi · S. Bader-Mittermaier · U. Schweiggert-Weisz · R. Carle 995

**Batch-to-batch variation and storage stability of the commercial peptidase preparation Flavourzyme in respect of key enzyme activities and its influence on process reproducibility**

M. Merz · D. Appel · P. Berends · S. Rabe · I. Blank · T. Stressler · L. Fischer 1005

**Cold-pressed oregano (*Origanum vulgare*) oil: a rich source of bioactive lipids with novel antioxidant and antimicrobial properties**

A.M.A. Assiri · K. Elbanna · A. Al-Thubiani · M.F. Ramadan 1013

**Immunoreactivity of wheat proteins modified by hydrolysis and polymerisation**

B. Brzozowski 1025

**Alterations in monovarietal, blended and aromatized Portuguese virgin olive oils under four storage conditions for 12 months**

L. Serrano · A. Cruz · S. Sousa · Z. Morais 1041

**Phenolic composition of Nebbiolo grape (*Vitis vinifera* L.) from Piedmont: characterization during ripening of grapes selected in different geographic areas and comparison with Uva Rara and Vespolina cv.**

M. Locatelli · F. Travaglia · J.D. Coisson · M. Bordiga · M. Arlorio 1057

**Effect of different ageing techniques on the polysaccharide and phenolic composition and sensorial characteristics of Chardonnay white wines fermented with different selected *Saccharomyces Cerevisiae* yeast strains**

R. del Barrio-Galán · M. Medel-Marabolí · Á. Peña-Neira 1069

**Biodiversity of Tunisian virgin olive oils: varietal origin classification according to their minor compounds**

S. Laroussi-Mezghani · Y. Le Dréau · J. Molinet · M. Hammami · N. Grati-Kamoun · J. Artaud 1087

**In vitro investigation on the antiglycative and carbonyl trapping activities of hydroxytyrosol**

M. Navarro · F.J. Morales 1101

**Duplex real-time PCR for the determination of wasabi (*Eutrema wasabi*) contents in horseradish (*Armoracia rusticana*) products applying the  $\Delta\Delta\text{ct}$ -method**

R. Köppel · T.B. Bucher 1111

**Evolution of physicochemical, morphological and aromatic characteristics of Italian PDO dry-cured hams during processing**

G. Giovanelli · S. Buratti · M. Laureati · E. Pagliarini 1117

**Production of gluten-free beer by peptidase treatment**

V. Knorr · H. Wieser · P. Koehler 1129

**Coffee suppresses the differentiation of Th17 cells by inhibiting interleukin-6-induced phosphorylation of signal transducer and activator of transcription 3**

Y. Okamoto · T. Hara · A. Itayama · K. Koike 1141

**Effect of thermomaceration and enzymatic maceration on phenolic compounds of grape must enriched by grape pomace, vine leaves and canes**

T. Aguilar · C. Loyola · J. de Bruijn · L. Bustamante · C. Vergara · D. von Baer · C. Mardones · I. Serra 1149

**Overproduction, purification, and property analysis of an extracellular recombinant fructosyltransferase**

W. Guo · H. Yang · S. Qiang · Y. Fan · W. Shen · X. Chen 1159

**Gamma and electron-beam irradiation as viable technologies for wild mushrooms conservation: effects on macro- and micro-elements**

Â. Fernandes · J.C.M. Barreira · A.L. Antonio · A. Rafalski · P. Morales · V. Fernández-Ruiz · M.B.P.P. Oliveira · A. Martins · I.C.F.R. Ferreira **1169**

**Interaction between gluten proteins and their mixtures with water-extractable arabinoxylan of wheat by rheological, molecular anisotropy and CP/MAS <sup>13</sup>C NMR measurements**

F. Ma · Y. Dang · S. Xu **1177**

Forthcoming articles can be found at [link.springer.com](http://link.springer.com)

**Abstracted/Indexed in:** *Science Citation Index, Science Citation Index Expanded (SciSearch), SCOPUS, Chemical Abstracts Service (CAS), Google Scholar, EBSCO, CSA, ProQuest, CAB*

*International, Academic OneFile, AGRICOLA, ASFA, Biological Abstracts, BIOSIS, CAB Abstracts, ChemWeb, Current Abstracts, Current Contents/Agriculture, Biology & Environmental Sciences, EI-Compendex, EMBiology, Expanded Academic, Food Science and Technology Abstracts, Global Health, IBIDS, Index Copernicus, Journal Citation Reports/Science Edition, OCLC, PASCAL, Summon by Serial Solutions, VINITI - Russian Academy of Science, Vitis - Viticulture and Enology Abstracts*

**Instructions for Authors** for *Eur Food Res Technol* are available at <http://www.springer.com/00217>

*This journal is the Official Organ of the EuCheMS/Division of Food Chemistry.*