

# European Food Research & Technology

Official Organ of the EuCheMS/Division of Food Chemistry

Volume 243 · Number 10 · October 2017

## REVIEW ARTICLES

### **Innovations in the food packaging market: active packaging**

J. Wyrwa · A. Barska 1681

### **Dietary alkylresorcinols and cancer prevention: a systematic review**

J. Kruk · B. Aboul-Enein · J. Bernstein · M. Marchlewicz 1693

## ORIGINAL PAPERS

### **Reduction of toxicologically relevant styrene in wheat beer using specially produced wheat and barley malts**

D. Langos · M. Gastl · M. Granvogl 1711

### **Determination of trace elements and stable carbon isotope ratios in virgin olive oils from Western Turkey to authenticate geographical origin with a chemometric approach**

Z.P. Gumus · V.U. Celenk · S. Tekin · O. Yurdakul · H. Ertas 1719

### **Investigating the rheological, microstructural and textural properties of chocolates sweetened with palm sap-based sugar by partial replacement**

A.D. Saputro · D. Van de Walle · S. Kadivar · M.D. Bin Sintang · P. Van der Meeren · K. Dewettinck 1729

### **Dipeptidyl peptidase IV inhibitory peptides from *Chlorella vulgaris*: in silico gastrointestinal hydrolysis and molecular mechanism**

Q. Zhu · X. Chen · J. Wu · Y. Zhou · Y. Qian · M. Fang · J. Xie · D. Wei 1739

### **Determination of melatonin levels in different cherry cultivars by high-performance liquid chromatography coupled to electrochemical detection**

T. Rosado · I. Henriques · E. Gallardo · A.P. Duarte 1749

### **A screening study of elemental composition in 12 marketable mushroom species accessible in Poland**

P. Niedzielski · M. Mleczek · A. Budka · P. Rzymiski · M. Siwulski · A. Jasińska · M. Gąsecka · S. Budzyńska 1759

### **A sensitive DNA-based fluorometric method for milk authenticity of dairy products based on spectrally distinct microspheres**

M.L. Kounelli · D.P. Kalogianni 1773

### **Volatiles in dairy products after supplementation of essential oils in the diet of cows and influence on taste of cheese**

B. Faehnrich · R. Chizzola · A. Schabauer · N. Pracser · K. Duerschmid 1783

### **Physicochemical composition and antioxidant activity of several pomegranate (*Punica granatum* L.) cultivars grown in Spain**

L. Fernandes · J.A. Pereira · I. López-Cortés · D.M. Salazar · J. González-Álvarez · E. Ramalhosa 1799

### **Characterization of cross-linked enzyme aggregates (CLEAs) of the fusion protein FUS-PepN\_PepX and their application for milk protein hydrolysis**

C. Braun · J. Ewert · T. Stressler 1815

### **Purification and identification of a novel ACE inhibitory peptide from marine alga *Gracilariopsis lemaneiformis* protein hydrolysate**

D. Cao · X. Lv · X. Xu · H. Yu · X. Sun · N. Xu 1829

### **Enhanced extraction of antioxidant polyphenols from *Moringa oleifera* Lam. leaves using a biomolecule-based low-transition temperature mixture**

I. Karageorgou · S. Grigorakis · S. Lalas · D.P. Makris 1839

**Rapid tempering of sucrose-free milk chocolates by  $\beta_v$  seeding: textural, rheological and melting properties**

N. Konar · S. Oba · O.S. Toker · İ. Palabiyik · H. Goktas · N. Artik · O. Sagdic **1849**

**Stability and safety of maize–legume-fortified flours stored in various packaging materials**

S.B. Fasoyiro · H. Gourama · C.N. Cutter **1861**

SHORT COMMUNICATION

**Relationship between the essential and toxic element concentrations and the proximate composition of different commercial and internal cuts of young beef**

V. Pereira · M. López-Alonso · M. Miranda ·

J.L. Benedito · M. García-Vaquero **1869**

ERRATUM

**Erratum to: Stabilization of mineral oil hydrocarbons in recycled paper pulp by organo-functionalized mesoporous silicas and evaluation of migration to food**

E. Buscaroli · D. Bussini · C. Bisio · D. Montecchio ·

G. Elegir · D. Garbini · L. Marchese · I. Braschi **1875**

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.*