

Food Hydrocolloids

CONTENTS

Volume 72, 2017

- 1 Antifungal starch-based edible films containing *Aloe vera*
R. ORTEGA-TORO (Colombia), S. COLLAZO-BIGLIARDI, J. ROSELLÓ, P. SANTAMARINA AND A. CHIRALT (Spain)
- 11 Effect of formulation on structure-function relationships of concentrated emulsions: Rheological, tribological, and microstructural characterization
M. ANVARI AND H. S. JOYNER (MELITO) (United States)
- 27 Designing added-protein yogurts: Relationship between *in vitro* digestion behavior and structure
P. MORELL, S. FISZMAN, E. LLORCA AND I. HERNANDO (Spain)
- 35 A novel bioactive edible coating based on sodium alginate and galbanum gum incorporated with essential oil of *Ziziphora persica*: The antioxidant and antimicrobial activity, and application in food model
H. HAMEDI, M. KARGOZARI, P. M. SHOTORBANI, N. B. MOGADAM AND M. FAHIMDANESH (Iran)
- 47 A study on the gelation behavior of solutions of native gellan, deacylated gellan, and their mixture by water $^1\text{H T}_2$ measurements
B. HU (Japan), Y. LU, Q. ZHAO (PR China) AND S. MATSUKAWA (Japan)
- 52 Release and recovery of pectic hydrocolloids and phenolics from culled citrus fruits
R. G. CAMERON, H. K. CHAU, A. T. HOTCHKISS AND J. A. MANTHEY (United States)
- 62 Entrapment and delivery of α -tocopherol by a self-assembled, alginate-conjugated prodrug nanostructure
F. YE (People's Republic of China, United States), C. E. ASTETE AND C. M. SABLIOV (United States)
- 73 Influence of NaCl on the oil/water interfacial and emulsifying properties of walnut protein-xanthan gum
Y. TAN, X. DENG, T. LIU (PR China), B. YANG (China), M. ZHAO AND Q. ZHAO (PR China)
- 81 Effects of low polyhydroxyalkanoate content on the properties of films based on modified starch acquired by extrusion blowing
S. SUN, P. LIU, N. JI, H. HOU AND H. DONG (China)
- 90 Effect of different hydrocolloids on texture, rheology, tribology and sensory perception of texture and mouthfeel of low-fat pot-set yoghurt
P. T. M. NGUYEN, O. KRAVCHUK, B. BHANDARI AND S. PRAKASH (Australia)
- 105 Improving solubility and emulsifying property of wheat gluten by deamidation with four different acids: Effect of replacement of folded conformation by extended structure
Y. WANG, J. GAN, Y. ZHOU, Y. CHENG (China) AND S. NIRASAWA (Japan)
- 115 Characterization of a novel complex coacervate based on whey protein isolate-tamarind seed mucilage
D. A. GONZÁLEZ-MARTÍNEZ, H. CARRILLO-NAVAS, C. E. BARRERA-DÍAZ, S. L. MARTÍNEZ-VARGAS, J. ALVAREZ-RAMÍREZ AND C. PÉREZ-ALONSO (Mexico)
- 127 Synthesis of bacterial cellulose and bacterial cellulose nanocrystals for their applications in the stabilization of olive oil pickering emulsion
H. YAN, X. CHEN, H. SONG, J. LI, Y. FENG, Z. SHI, X. WANG AND Q. LIN (China)

Contents continued on BM I

- 136 Physicochemical, conformational and functional properties of silver carp myosin glycated with konjac oligo-glucomannan: Implications for structure-function relationships
J. LIU, Y. LUO, S. GU, Q. XU, J. ZHANG, P. ZHAO AND Y. DING (PR China)
- 145 Distribution and competition between carvacrol and propylene glycol for trapping by amylose in aqueous suspensions based on potato starch and konjac glucomannan
C. LAFARGE, E. BOU-MAROUN, B. PONTOIRE, N. CAYOT AND P. LE BAIL (France)
- 155 Encapsulation of vitamin E in edible orange oil-in-water emulsion beverages: Influence of heating temperature on physicochemical stability during chilled storage
V. RAIKOS (UK)
- 163 Protein-polyphenol particles for delivering structural and health functionality
E. A. FOEGEDING, N. PLUNDRICH, M. SCHNEIDER, C. CAMPBELL AND M. A. LILA (USA)
- 174 Development of biocomposite films incorporated with different amounts of shellac, emulsifier, and surfactant
B. SABERI (Australia), S. CHOCKCHASAWASDEE (Australia, UK), J. B. GOLDING, C. J. SCARLETT (Australia) AND C. E. STATHOPOULOS (UK)
- 185 Influence of anionic polysaccharides on the physical and oxidative stability of hydrolyzed rice glutelin emulsions: Impact of polysaccharide type and pH
X. XU (China, USA), W. LIU, L. LUO, C. LIU (China) AND D. J. MCCLEMENTS (USA)
- 195 A versatile viscometric method for the study of dissolved proteins, exemplified for casein micelles in ammoniacal solutions
X. XIONG, X. HUANG (China) AND B. A. WOLF (Germany)
- 202 Tragacanth gum containing *Zataria multiflora* Boiss. essential oil as a natural preservative for storage of button mushrooms (*Agaricus bisporus*)
M. NASIRI, M. BARZEGAR, M. A. SAHARI AND M. NIAKOUSARI (Iran)
- 210 Correlating network structure with functional properties of capillary alginate gels for muscle fiber formation
E. SCHUSTER, P. WALLIN, F. P. KLOSE, J. GOLD AND A. STRÖM (Sweden)
- 219 Molecular structure and digestibility of banana flour and starch
Y. BI, Y. ZHANG, H. JIANG, Y. HONG, Z. GU, L. CHENG, Z. LI AND C. LI (People's Republic of China)
- 228 Microencapsulation of *Lactobacillus salivarius* Li01 for enhanced storage viability and targeted delivery to gut microbiota
M. YAO, J. WU, B. LI (China), H. XIAO, D. J. MCCLEMENTS (USA) AND L. LI (China)
- 237 Poroviscoelasticity of whey protein hydrogels at different length and time scales
W. HU (PR China), C. CORBERA-SABATÉ (Spain), X. D. CHEN AND R. MERCADÉ-PRIETO (PR China)
- 247 Isolation, characterization and comparative study of starches from selected Zingiberaceae species, a non-conventional source
K. JAMIR AND K. SESHAGIRIRAO (India)
- 254 Caseinate-zein-polysaccharide complex nanoparticles as potential oral delivery vehicles for curcumin: Effect of polysaccharide type and chemical cross-linking
C. CHANG (China, USA), T. WANG, Q. HU AND Y. LUO (USA)
- 263 Structural elucidation of a water-soluble polysaccharide isolated from Balangu shirazi (*Lallemantia royleana*) seeds
N. FARHADI (Iran)
- 271 Time effect on coenzyme Q₁₀ loading and stability of micelles based on glycosylated casein via Maillard reaction
B. MUHOZA, S. XIA, J. CAI, X. ZHANG, J. SU AND L. LI (People's Republic of China)
- 281 Mucoadhesion: A food perspective
S. L. COOK, S. P. BULL, L. METHVEN, J. K. PARKER AND V. V. KHUTORYANSKIY (United Kingdom)
- 297 Interaction of human serum albumin with volatiles and polyphenols from some berries
R. BEEMA SHAFREEN (India), T. DYMERSKI, J. NAMIEŚNIK, Z. JASTRZEBSKI (Poland), S. VEARASILP (Thailand) AND S. GORINSTEIN (Israel)
- 304 Improved antioxidant activity and physicochemical properties of curcumin by adding ovalbumin and its structural characterization
Y. LIU (China, Australia), D. YING (Australia), Y. CAI (China, Australia) AND X. LE (China)

- 312 Effect of gamma irradiation on structural, molecular, thermal and rheological properties of sunflower protein isolate
M. A. MALIK, H. K. SHARMA AND C. S. SAINI (India)
- 323 Pectin isolation and characterization from six okra genotypes
F. M. KPODO, J. K. AGBENORHEVI (Ghana), K. ALBA, R. J. BINGHAM (UK), I. N. ODURO (Ghana),
G. A. MORRIS AND V. KONTOGIORGOS (UK)
- 331 Effect of pressure with shear stress on gelatinization of starches with different amylose/amylopectin ratios
Z. JI, L. YU, H. LIU, X. BAO, Y. WANG AND L. CHEN (China)
- 338 Suppression of retrogradation of gelatinized rice starch by anti-listerial grass carp protein hydrolysate
J. XIAO (PR China, USA) AND Q. ZHONG (USA)
- 346 Comparative study of pH and high pressure treatment on the viscoelastic properties of glucomannan gels after long-term frozen storage
C. A. TOVAR, L. PIÑEIRO AND B. HERRANZ (Spain)
- 350 Thermal denaturation of bovine immunoglobulin G and its association with other whey proteins
D. BOGAHAWATHTHA, J. CHANDRAPALA AND T. VASILJEVIC (Australia)
- 358 Physico-chemical and viscoelastic properties of high pressure homogenized lemon peel fiber fraction suspensions obtained after sequential pectin extraction
K. L. D. D. WILLEMSSEN, A. PANOZZO, K. MOELANTS, S. J. J. DEBON, C. DESMET, R. CARDINAELS,
P. MOLDENAERS, J. WALLECAN AND M. E. G. HENDRICKX (Belgium)
- 372 Influence of pH and Xanthan Gum on long-term stability of crayfish-based emulsions
M. FELIX, A. ROMERO AND A. GUERRERO (Spain)
- 381 Characterization of film-forming solutions and films incorporating free and nanoencapsulated tea polyphenol prepared by gelatins with different Bloom values
M. CHEN, F. LIU (China), B.-S. CHIOU (United States), H. R. SHARIF, J. XU AND F. ZHONG (China)
- 389 Calendar