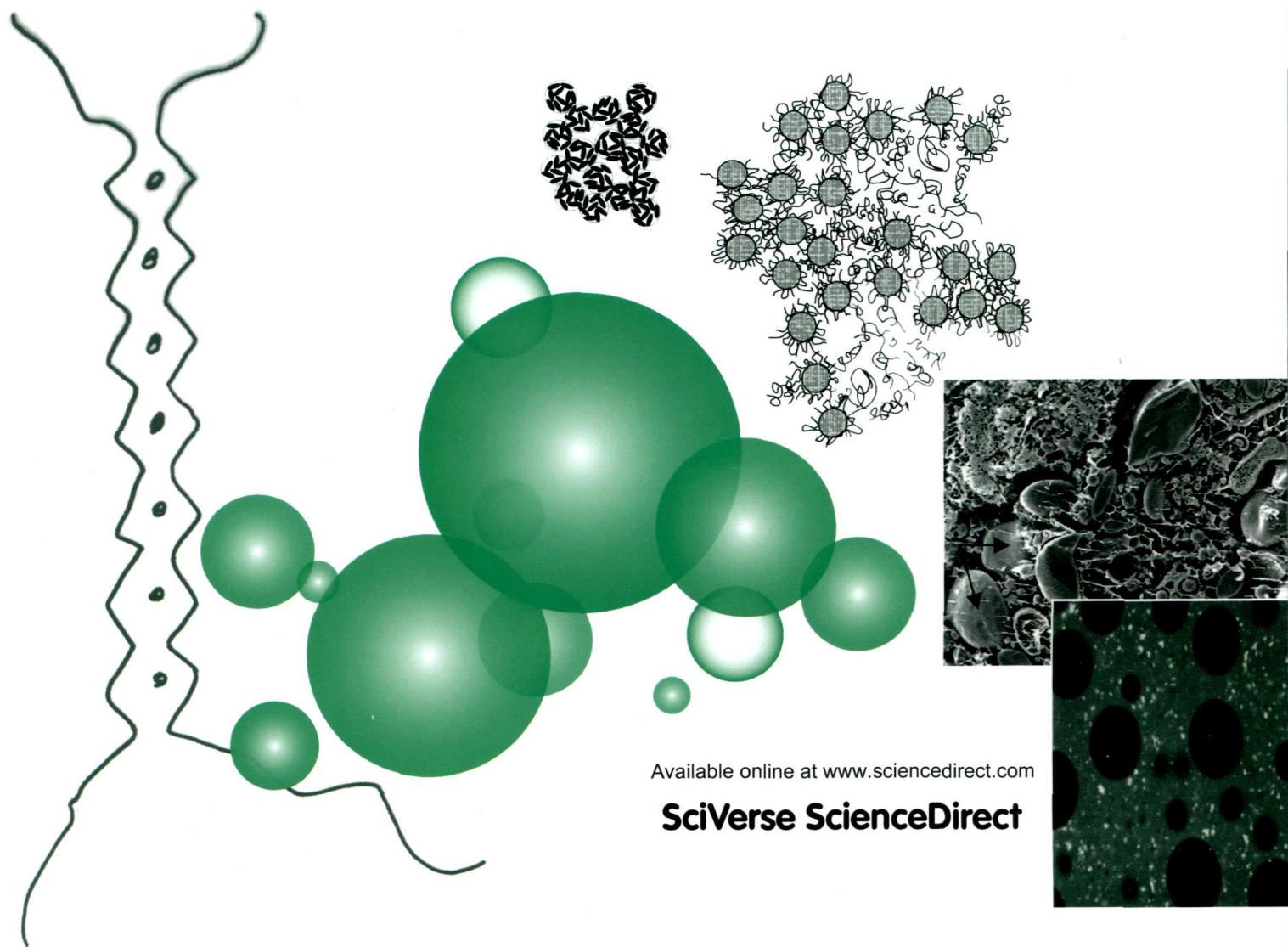


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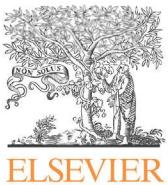
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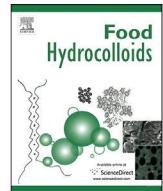


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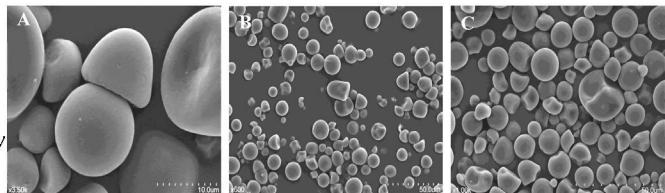
Graphical abstracts

Physicochemical characterization of sweet potato starches popularly used in Chinese starch industry

Food Hydrocolloids 2013, 33, 169–177

Oluwaseyi Kemi Abegunde, Tai-Hua Mu*, Jing-Wang Chen, Fu-Ming Deng

Key Laboratory of Agro-Products Processing, Ministry of Agriculture, Institute of Agro-Products Processing Science and Technology, Chinese Academy of Agricultural Sciences, Beijing 100193, PR China



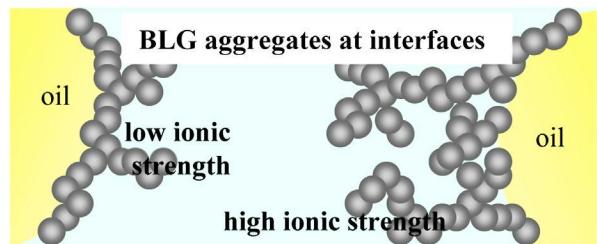
Scanning electron micrographs of various sweet potato starch granules showing diversity in shapes and sizes. Figures in parentheses denote the degree of magnification. A, Shi 5 ($\times 3500$); B, Xushu 28 ($\times 600$) C, Xushu 27 ($\times 1000$).

Disappearance of intermolecular beta-sheets upon adsorption of beta-lactoglobulin aggregates at the oil–water interfaces of emulsions

Food Hydrocolloids 2013, 33, 178–185

Michel Audebrand, Marie-Hélène Ropers, Alain Riaublanc*

INRA, UR1268 Biopolymères Interactions Assemblages, F-44316 Nantes, France

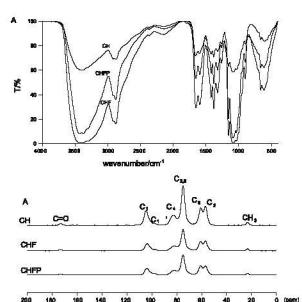


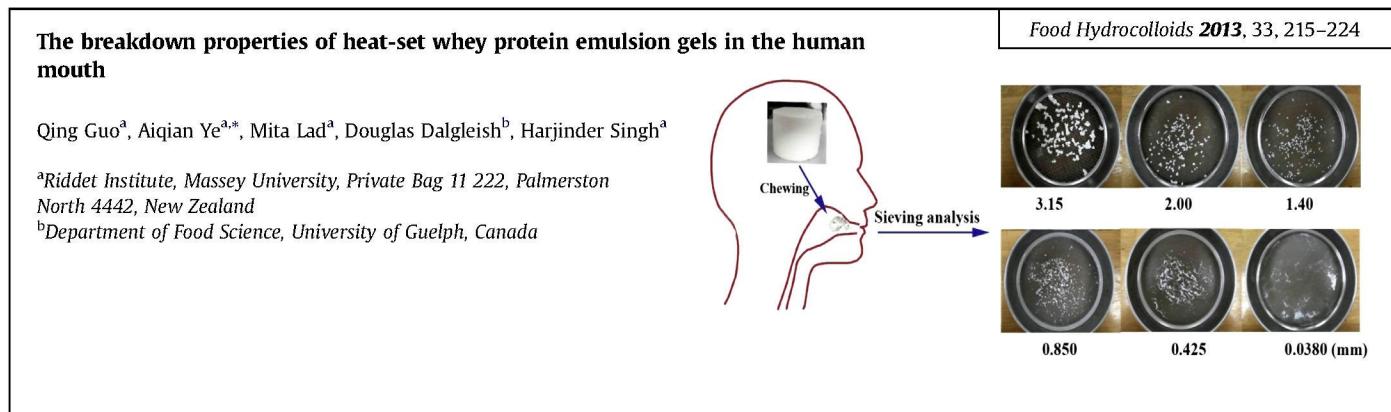
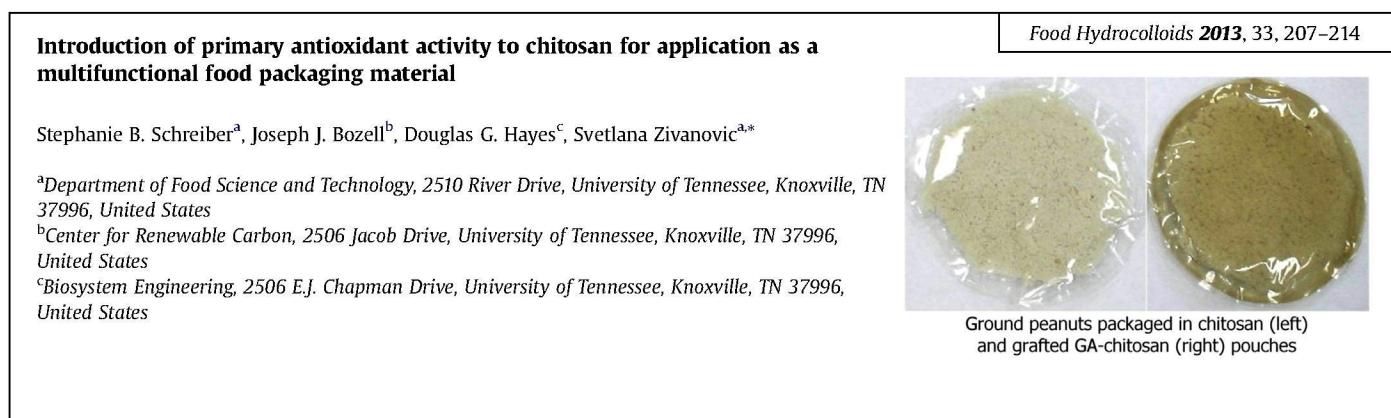
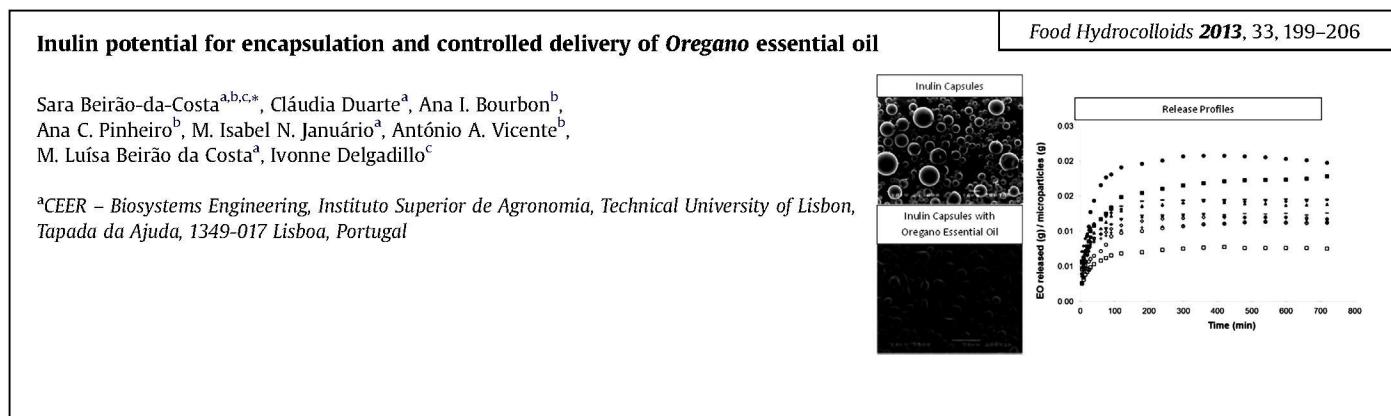
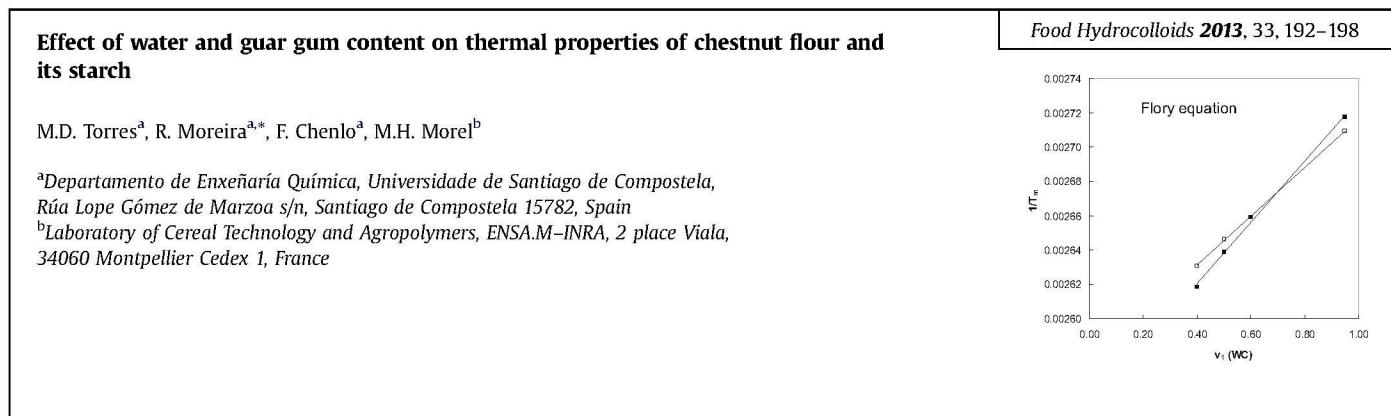
Preparation and structural analysis of chitosan films with and without sorbitol

Food Hydrocolloids 2013, 33, 186–191

Mei Liu, Yibin Zhou*, Yang Zhang, Chen Yu, Shengnan Cao

School of Tea and Food Technology, Anhui Agricultural University, 130 Chang Jiang West Road, Hefei 230036, China





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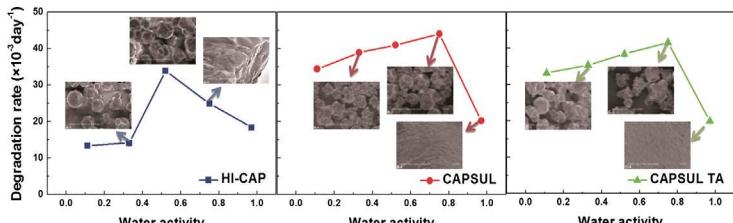
Effect of relative humidity on the store stability of spray-dried beta-carotene nanoemulsions

Rong Liang^{a,b}, Qingrong Huang^c, Jianguo Ma^a, Charles F. Shoemaker^{b,*}, Fang Zhong^{a,*}

^aKey Laboratory of Food Colloids and Biotechnology, Ministry of Education, School of Food Science and Technology, Jiangnan University, Wuxi 214122, PR China

^bDepartment of Food Science and Technology, University of California, Davis, CA 95616, USA

^cDepartment of Food Science, Rutgers University, 65 Dudley Road, New Brunswick, NJ 08901, USA

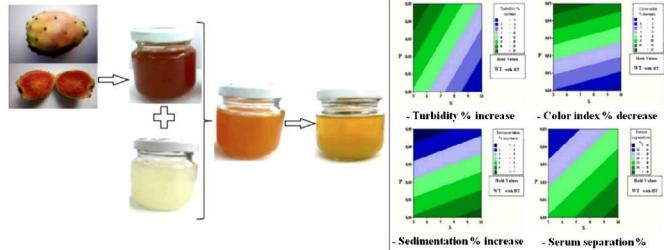


A physical stability study of whey-based prickly pear beverages

Arwa Baccouche^a, Monia Ennouri^{a,b,*}, Imene Felfouf^a, Hamadi Attia^a

^aAlimentary Analysis Unit, National Engineering School of Sfax, BPW 3038, Sfax, Tunisia

^bHigher Institute of Applied Sciences & Technology of Mahdia, Sidi Messaoud, 5111 Mahdia, Tunisia



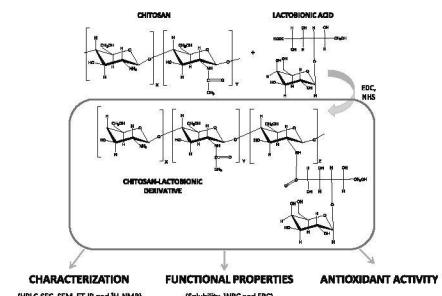
Synthesis, characterization and functional properties of galactosylated derivatives of chitosan through amide formation

Ana I. Ruiz Matute^a, Alejandra Cardelle-Cobas^b, Ana B. García-Bermejo^a, Antonia Montilla^a, Agustín Olano^a, Nieves Corzo^{a,*}

^aInstituto de Investigación en Ciencias de la Alimentación, CIAL, (CSIC-UAM, CEI UAM+CSIC), C/ Nicolás Cabrera, 9, Campus de la Universidad Autónoma de Madrid, 28049 Madrid, Spain

^bCBQF – Centro de Biotecnología e Química Fina, Escola Superior de Biotecnologia, Centro Regional do Porto da Universidade Católica Portuguesa, Rua Dr. António Bernardino Almeida, 4200-072 Porto, Portugal

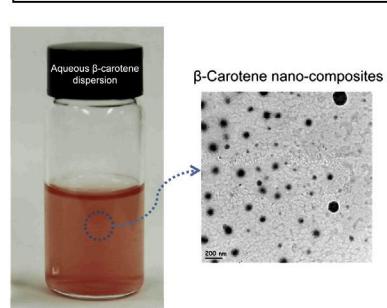
Food Hydrocolloids 2013, 33, 245–255

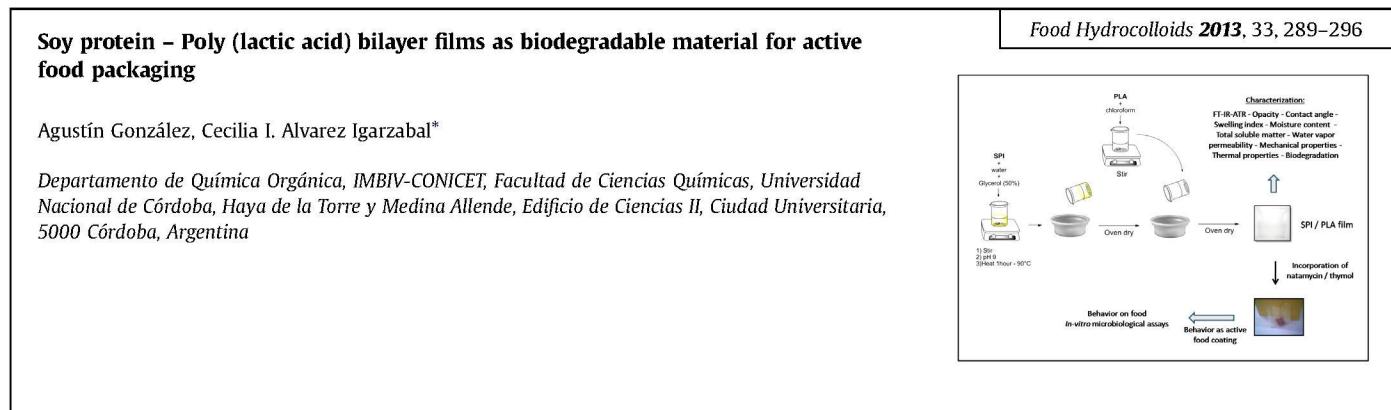
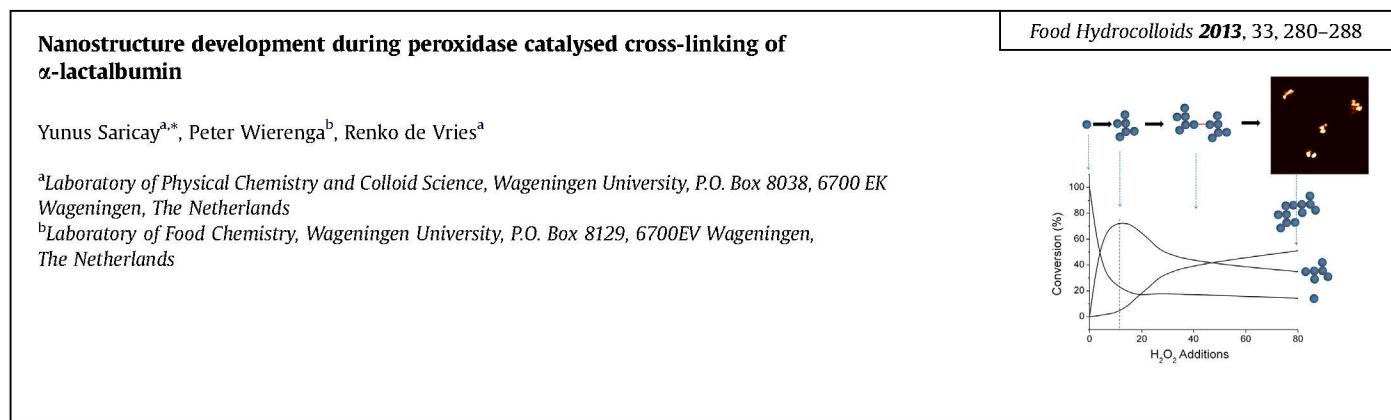
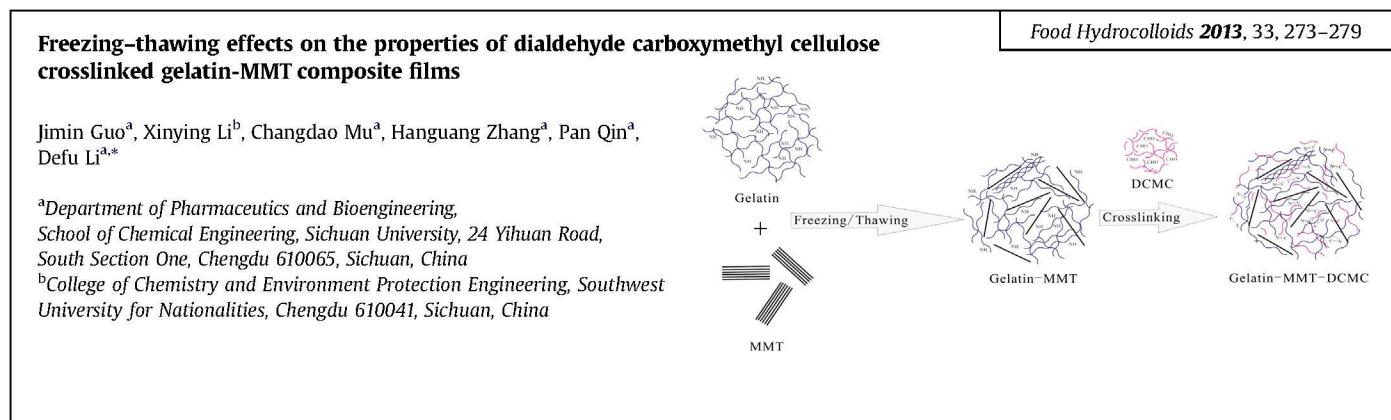
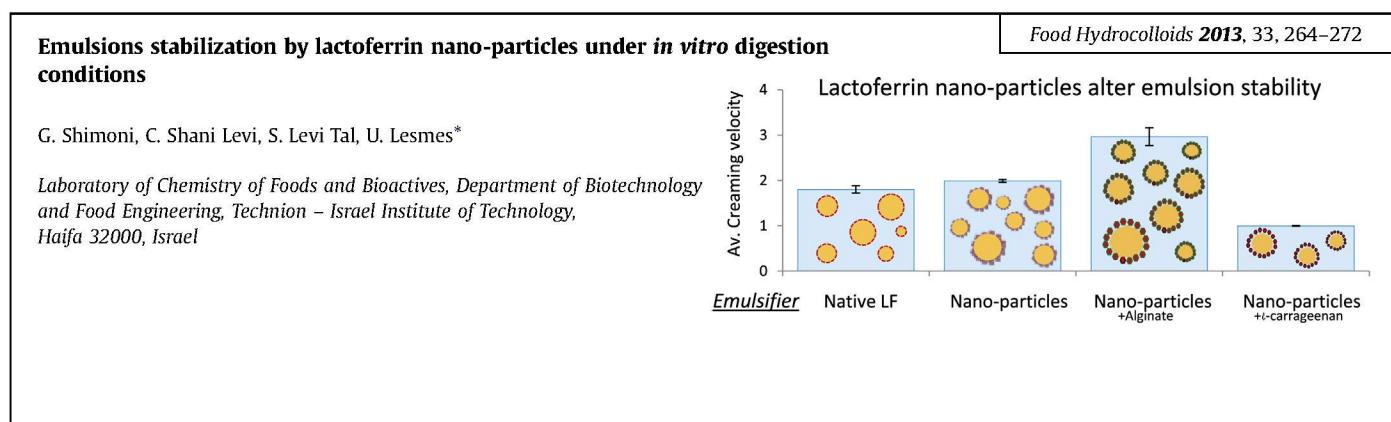


Preparation of aqueous dispersion of β-carotene nano-composites through complex formation with starch dextrin

Jong-Yea Kim, Tae-Rang Seo, Seung-Taik Lim*

School of Life Sciences and Biotechnology, Korea University, 5-1, Anam-dong, Sungbuk-ku, Seoul 136-701, Republic of Korea





Structure and stability of heat-treated concentrated dairy-protein-stabilised oil-in-water emulsions: A stability map characterisation approach

Yichao Liang^{a,b,*}, Hasmukh Patel^c, Lara Matia-Merino^b, Aiqian Ye^d, Matt Golding^{b,d}

^aFonterra Research and Development Centre, Private Bag 11 029, Palmerston North 4442, New Zealand
^bInstitute of Food, Nutrition and Human Health, Massey University, Private Bag 11 222, Palmerston North, New Zealand
^cDairy Science Department, Box 2104, South Dakota State University, Brookings, SD, USA
^dRiddet Institute, Massey University, Private Bag 11 222, Palmerston North, New Zealand

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pH-dependent emulsifying properties of pea [*Pisum sativum* (L.)] proteins

Han-Ni Liang^a, Chuan-He Tang^{a,b,*}

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^bState Key Laboratory of Pulp and Paper Engineering, South China University of Technology, Guangzhou 510640, PR China

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Pea protein emulsions

Modification of emulsion properties by heteroaggregation of oppositely charged starch-coated and protein-coated fat droplets

Yingyi Mao, David Julian McClements*

Department of Food Science, University of Massachusetts, Amherst, MA 01003, USA

Novel textural characteristics can be created in food products based on heteroaggregation of oppositely charged biopolymer-coated lipid droplets. This study focuses on the use of two food-grade emulsifiers (WPI and modified starch) to prepare these mixed emulsions.

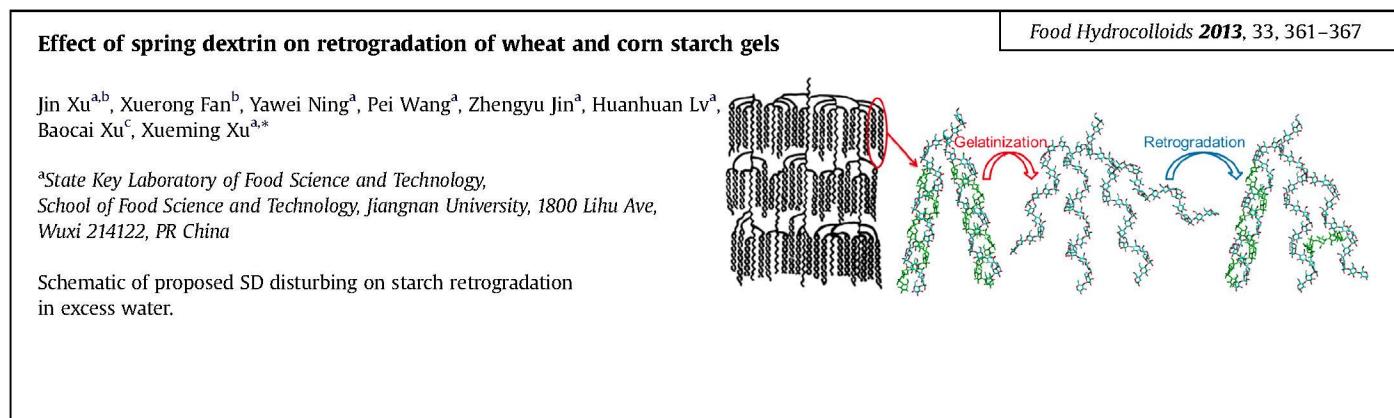
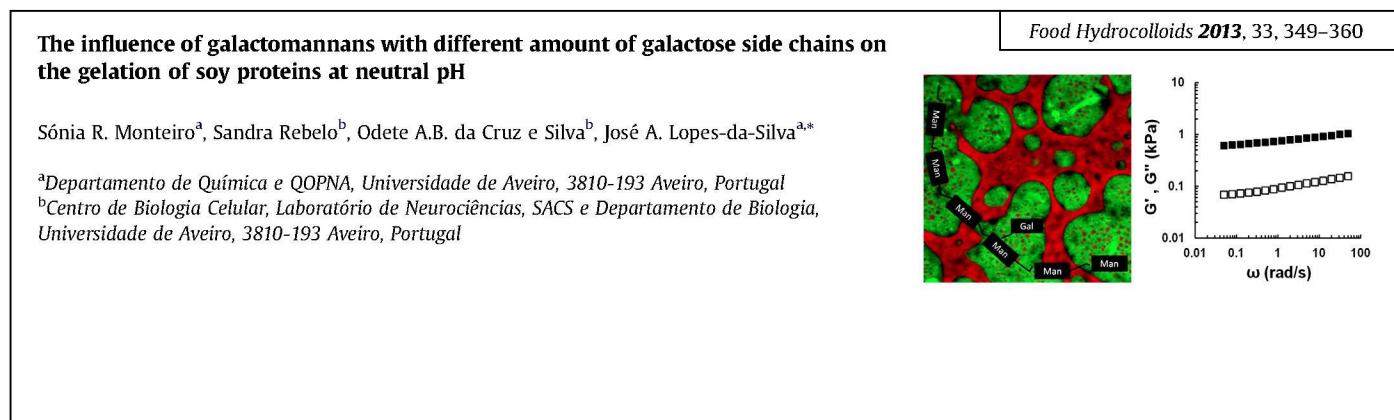
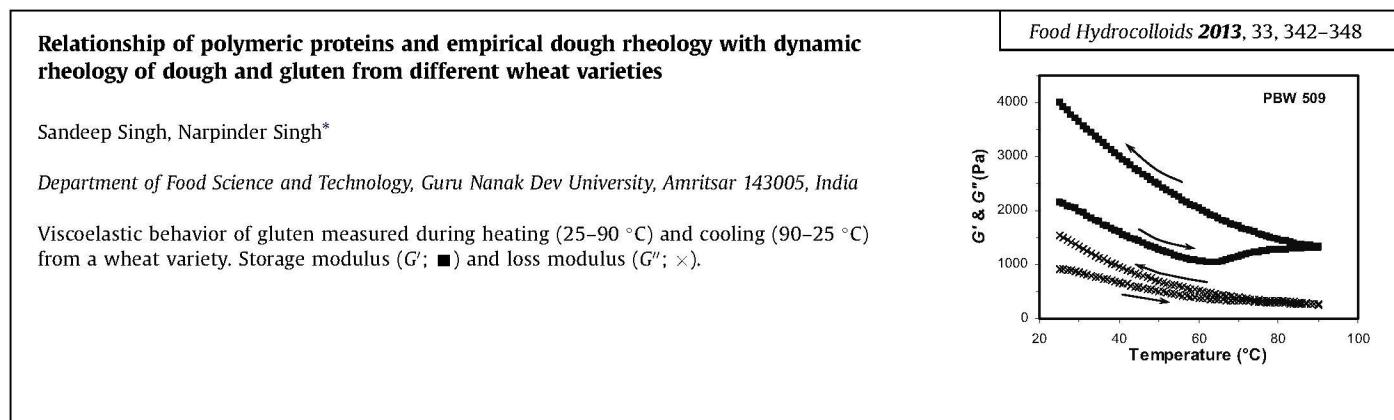
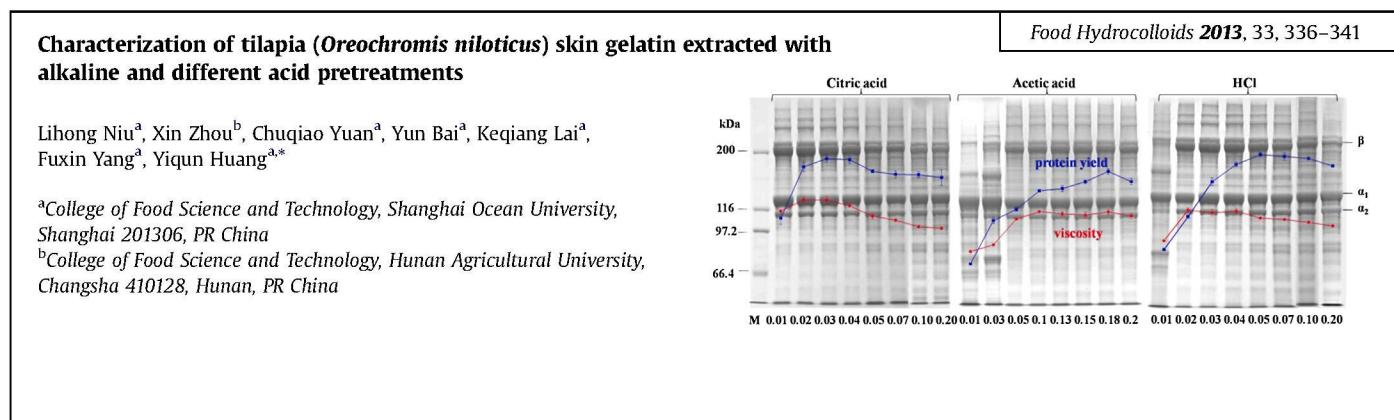
Food Hydrocolloids 2013, 33, 320–326

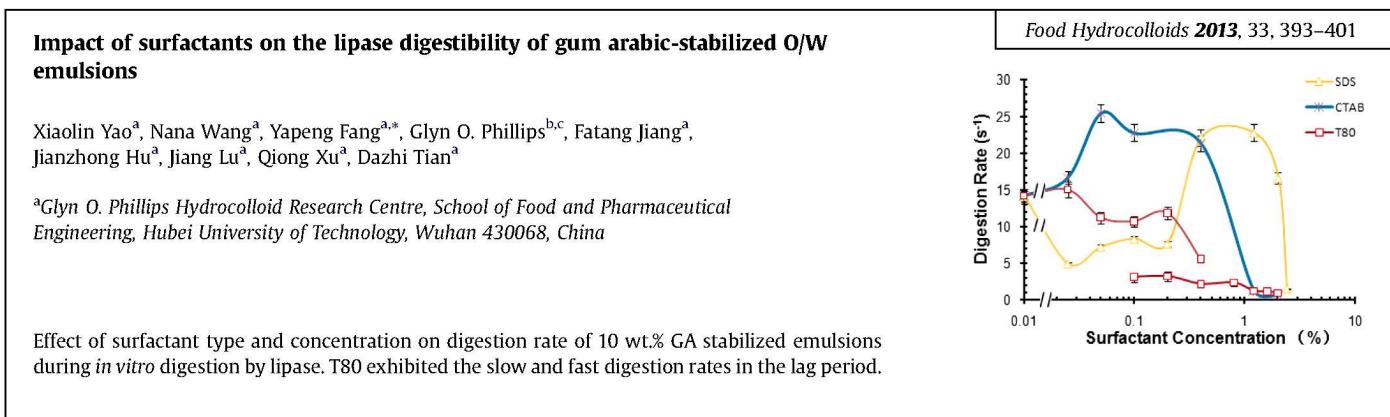
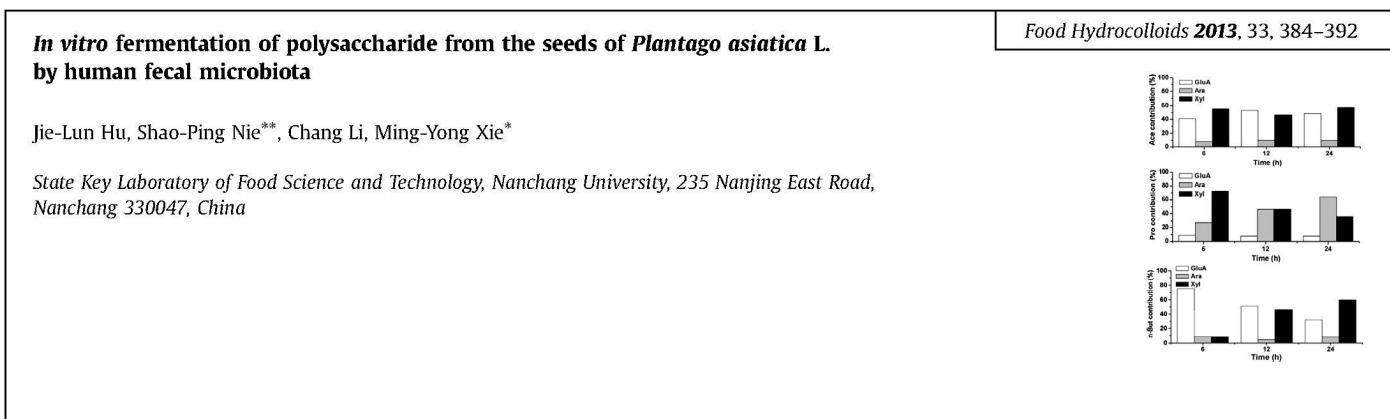
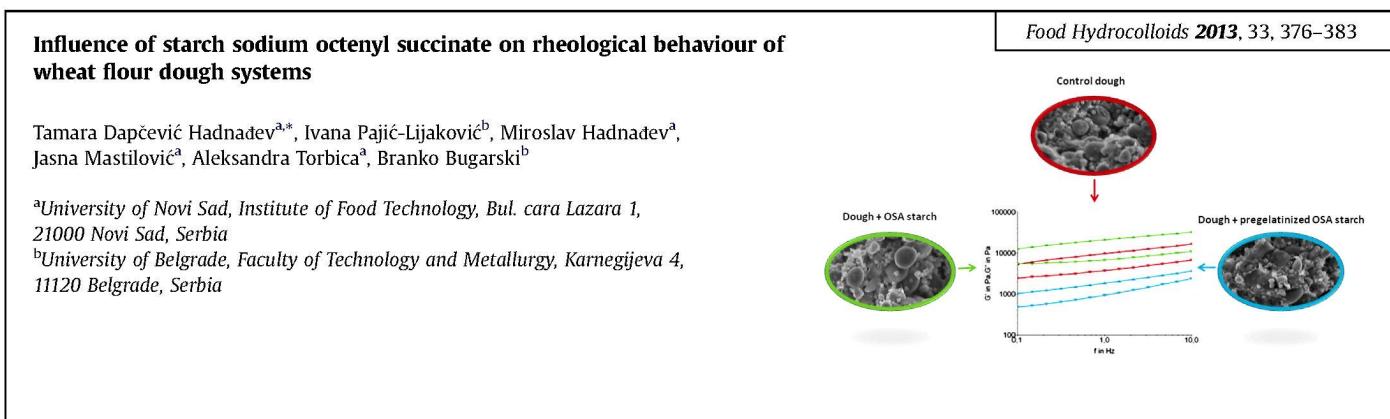
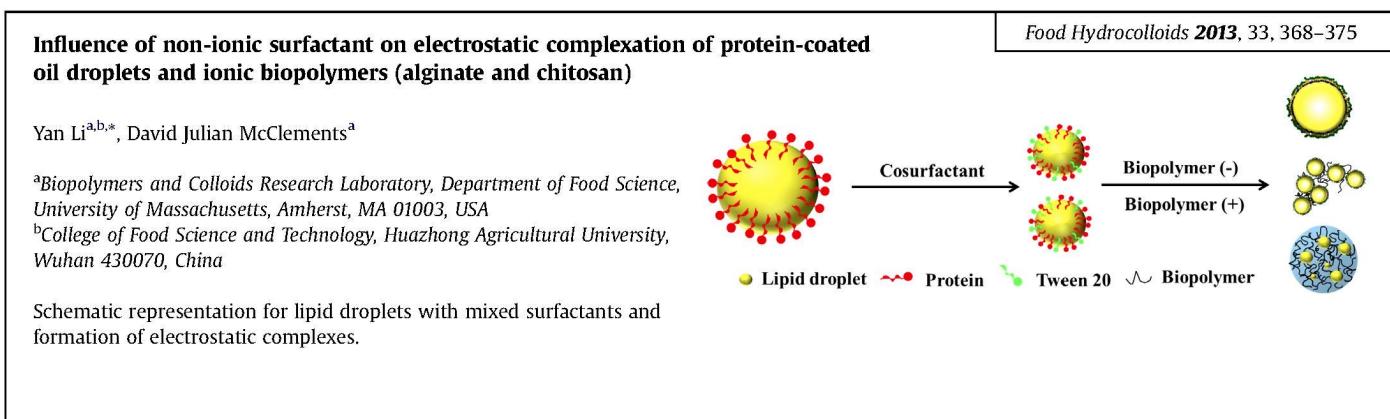
Preparation and characterization of agar/silver nanoparticles composite films with antimicrobial activity

J.W. Rhim^{a,*}, L.F. Wang^a, S.I. Hong^b

^aDepartment of Food Engineering, Mokpo National University, 61 Dorimri, Chungkyemyon, Muangun, 534-729 Jeonnam, Republic of Korea
^bKorea Food Research Institute, 516 Baekhyun-dong, Bundang-gu, Seongnam-si, 463-746 Gyeonggi-do, Republic of Korea

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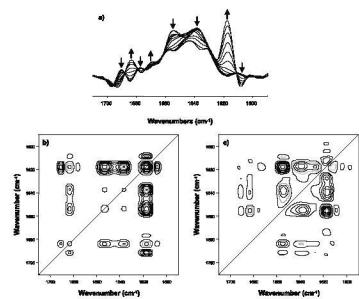
Study of the denaturation/aggregation behaviour of whole porcine plasma and its protein fractions during heating under acidic pH by variable-temperature FTIR spectroscopy

E. Saguer^{a,*}, P.A. Alvarez^b, J. Sedman^b, A.A. Ismail^b

^aInstitut de Tecnologia Agroalimentària (INTEA), University of Girona (UdG), 17071 Girona, Spain

Deconvoluted infrared spectra in the amide I' absorption region upon of plasma solution (6% w/v of protein in D₂O) from 30 to 90 °C at pH 4.5 (a) and the corresponding 2D IR synchronous (b) and asynchronous (c) maps.

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Comparison of the gel-forming ability and gel properties of α -lactalbumin, lysozyme and myoglobin in the presence of β -lactoglobulin under high pressure

Jin-Song He^{a,b,*}, Tai-Hua Mu^c, Xishan Guo^a, Songming Zhu^a, Bo-Na Mu^d, Norihiro Azuma^b, Choemon Kanno^b

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^bDepartment of Applied Biochemistry, Utsunomiya University, Utsunomiya 321-8505, Japan

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^dCollege of Life Science, Beijing Normal University, Beijing 100875, China

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