

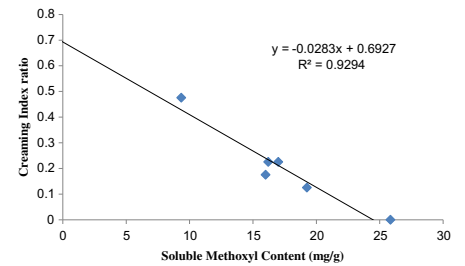
Graphical abstracts

Stabilization of emulsions by gum tragacanth (*Astragalus* spp.) correlates to the galacturonic acid content and methoxylation degree of the gum

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Food Hydrocolloids 2013, 31, 1–4

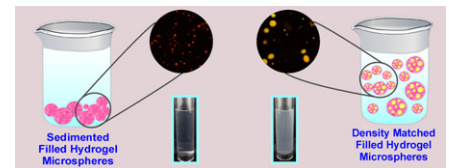


Hydrogel microspheres for encapsulation of lipophilic components: Optimization of fabrication & performance

Alison Matalanis, David Julian McClements^{*}

Biopolymers and Colloids Research Laboratory, Department of Food Science, University of Massachusetts, 100 Holdsworth Way, 220 Chenoweth Laboratory, Amherst, MA 01003, USA

Food Hydrocolloids 2013, 31, 5–14



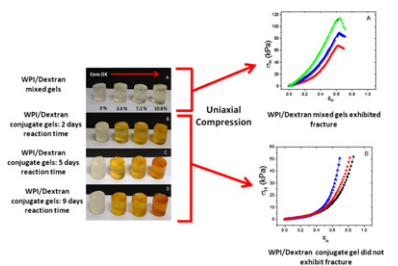
Gel mechanical properties of milk whey protein–dextran conjugates obtained by Maillard reaction

María Julia Spotti^{a,*}, Martina J. Perduca^b, Andrea Piagentini^a, Liliana G. Santiago^a,
 Amelia C. Rubiolo^a, Carlos R. Carrara^a

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Food Hydrocolloids 2013, 31, 15–25



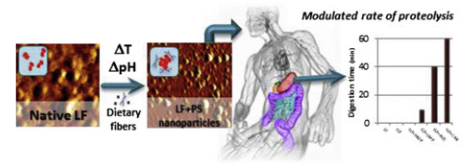
Impact of dietary fibers on the properties and proteolytic digestibility of lactoferrin nano-particles

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Food Hydrocolloids 2013, 31, 26–32



A further amendment to the classical core structure of gum arabic (*Acacia senegal*)

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Proposed structure of gum arabic (*Acacia senegal*). A schematic structure is proposed as follows (with the newly identified residues identified in red).

Food Hydrocolloids 2013, 31, 33–41



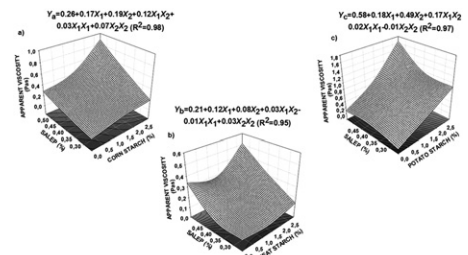
Mathematical approach for two component modeling of salep–starch mixtures using central composite rotatable design: Part I. Physicochemical and steady shear properties

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Food Hydrocolloids 2013, 31, 42–48



The effect of freeze–thaw cycles on microstructure and physicochemical properties of four starch gels

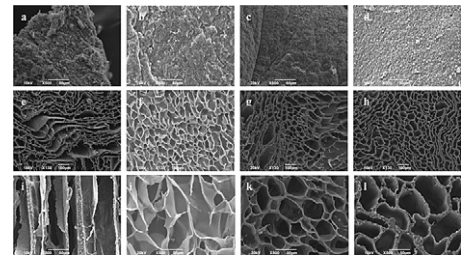
Lan Wang^{a,b}, Bijun Xie^{b,*}, Guangquan Xiong^a, Wenjing Wu^a, Jun Wang^a, Yu Qiao^a, Li Liao^a

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The effect of 7 freeze–thaw cycles on microstructure of four starch gels (gingko, Chinese water chestnut, potato, rice).

Food Hydrocolloids 2013, 31, 49–60

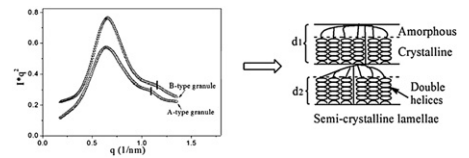


Supramolecular structure of A- and B-type granules of wheat starch

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Food Hydrocolloids 2013, 31, 61–67

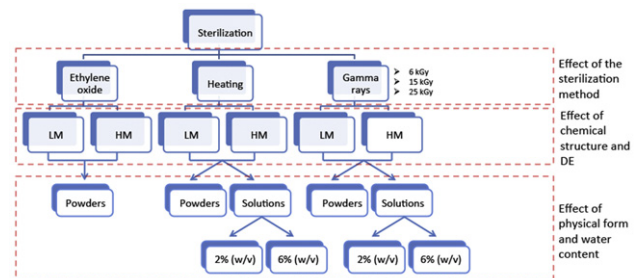
Sterilization treatments on polysaccharides: Effects and side effects on pectin

Fabiola Munarin^{a,*}, Sabrina Bozzini^a, Livia Visai^{b,c}, Maria C. Tanzi^a, Paola Pettrini^a

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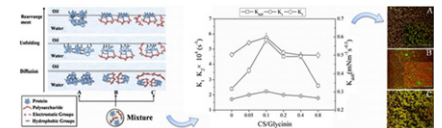


Food Hydrocolloids 2013, 31, 68–73

Formation and dynamic interfacial adsorption of glycinin/chitosan soluble complex at acidic pH: Relationship to mixed emulsion stability

Yang Yuan^a, Zhi-Li Wan^a, Shou-Wei Yin^a, Zi Teng^b, Xiao-Quan Yang^{a,*}, Jun-Ru Qi^a, Xiao-Ying Wang^c

Left: Schematic representation of glycinin/chitosan mixture at oil–water interface; Middle: The coefficient of interfacial diffusion, unfolding and rearrangement of glycinin/chitosan mixture at pH 4.5; Right: The confocal observation of glycinin/chitosan mixed emulsion at pH 4.5 (A: Glycinin, B: Glycinin/chitosan soluble complex, C: Soluble complex with excessive chitosan). The photographs were plotted by Yang Yuan et al.

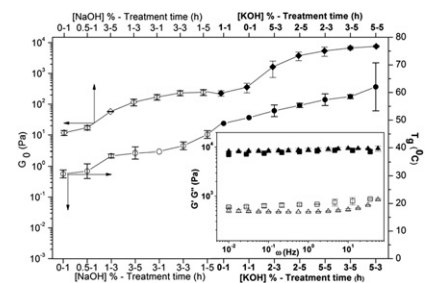


Food Hydrocolloids 2013, 31, 74–84

Tailoring kappa/iota-hybrid carrageenan from *Mastocarpus stellatus* with desired gel quality through pre-extraction alkali treatment

Gabriela Azevedo^a, Loic Hilliou^{a,*}, Gabriel Bernardo^a, Isabel Sousa-Pinto^b, Ralph W. Adams^c, Mathias Nilsson^{c,d}, Ronald D. Villanueva^e

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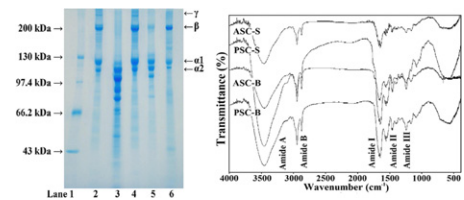
Food Hydrocolloids 2013, 31, 85–93

Isolation and characterization of acid soluble collagens and pepsin soluble collagens from the skin and bone of Spanish mackerel (*Scomberomorus niphonius*)

Zhong-Rui Li, Bin Wang*, Chang-feng Chi, Qi-Hong Zhang, Yan-dan Gong, Jia-Jia Tang, Hong-yu Luo, Guo-fang Ding

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Food Hydrocolloids **2013**, 31, 94–102

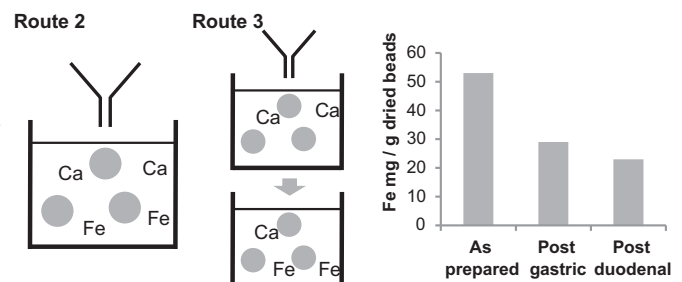


Preparation of iron-loaded alginate gel beads and their release characteristics under simulated gastrointestinal conditions

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Food Hydrocolloids **2013**, 31, 103–113



Alkaline extraction conditions determine gelling properties of corn bran arabinoxylans

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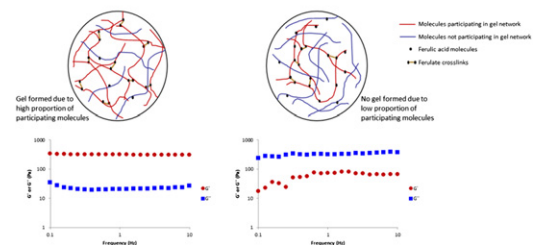
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Food Hydrocolloids **2013**, 31, 114–120

Oxidatively crosslinked alkali-extractable arabinoxylan samples with equal ferulic acid content



Rheological properties and protein quality of UV-C processed liquid egg products

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Food Hydrocolloids **2013**, 31, 121–126

