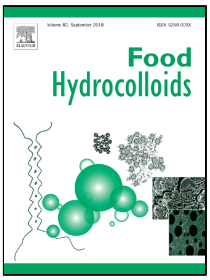
Accepted Manuscript



Effect of zein-based microencapsules on the release and oxidation of loaded limonene

Yu Chen, Meng Shu, Xiaoxue Yao, Kao Wu, Kun Zhang, Yating He, Katsuyoshi Nishinari, Glyn O. Phillips, Xiaolin Yao, Fatang Jiang

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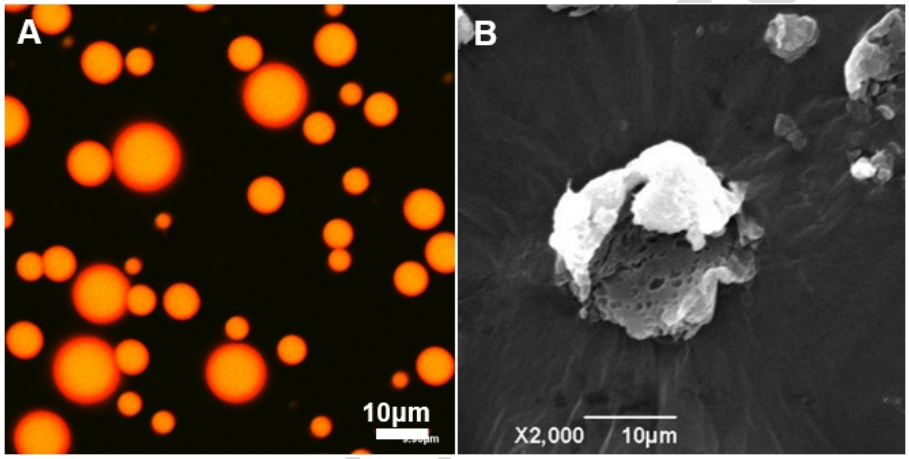
Effect of zein-based microencapsules on the release and oxidation of loaded limonene

Yu Chen [1], Meng Shu [1], Xiaoxue Yao [1], Kao Wu [1], Kun Zhang [2], Yating He [2], Katsuyoshi Nishinari [1], Glyn O. Phillips [1], Xiaolin Yao [*,1, 2, 3], Fatang Jiang [*,1]

Graphical abstract



The core-shell structure of the limonene microencapsules was confirmed with CLSM (A) and SEM (B), which was prepared with 4 wt% limonene, 2 wt% zein and 1 wt% SC. The interior rough and porous shell was promising for the rate-limiting release of the core limonene.