



# Environmental Science: Atmospheres



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Fundamental questions  
Elemental answers

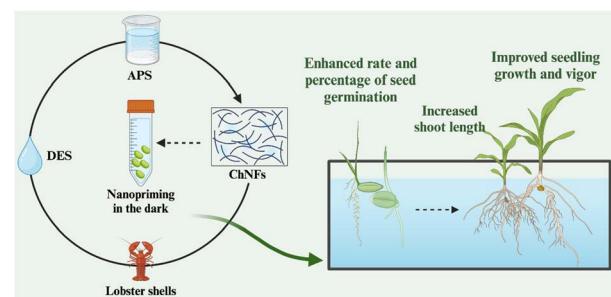


## PAPERS

677

## Chitin nanofibers derived from deep eutectic solvent extraction and ammonium persulfate oxidation as a seed nanoprimer agent for microgreen growth enhancement

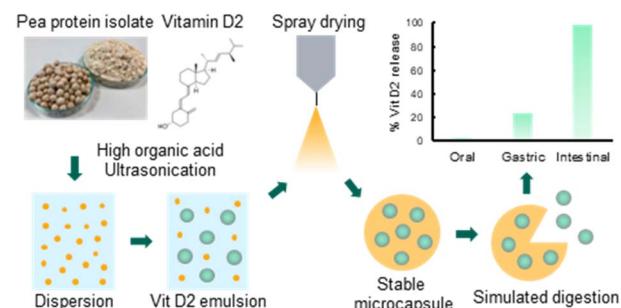
Honglin Zhu, Sunni Chen, Jingyi Xue, Ruiqi Wang, Xinhao Wang, Zhenlei Xiao\* and Yangchao Luo\*



689

## Digestibility and enteric release achieved with microencapsulates made from emulsion-templated plant proteins

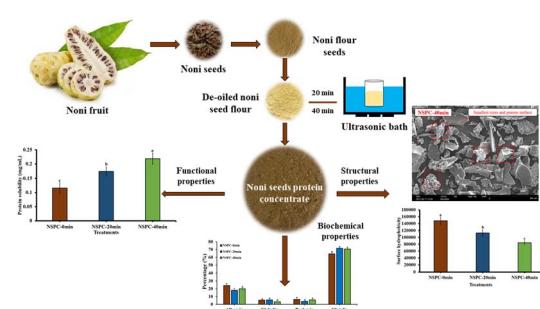
Luke Wayne Browning,\* Huafu Wang, James Ward Taylor, Pete Wilde, Marc Rodriguez-Garcia, Lynette Anne Makins Holland and Tuomas P. J. Knowles



700

## High-intensity ultrasound affects the physicochemical, structural and functional properties of proteins recovered from noni (*Morinda citrifolia*) seeds

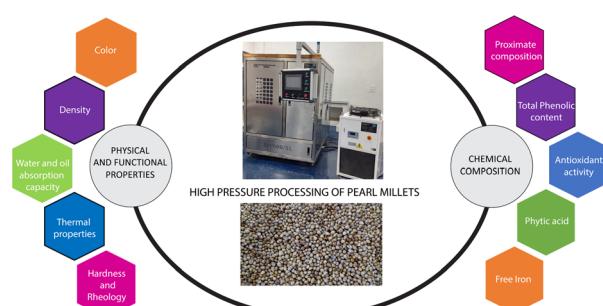
Kevin Ulises López-Mártir, José Armando Ulloa,\* Judith Esmeralda Urías-Silvas, Petra Rosas-Ulloa and Blanca Estela Ulloa-Rangel



714

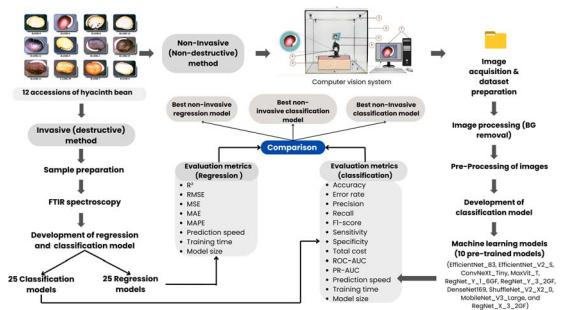
## Effect of high-pressure soaking on the physicochemical, nutritional, and techno-functional properties of pearl millets

P. Himashree and R. Mahendran\*



## PAPERS

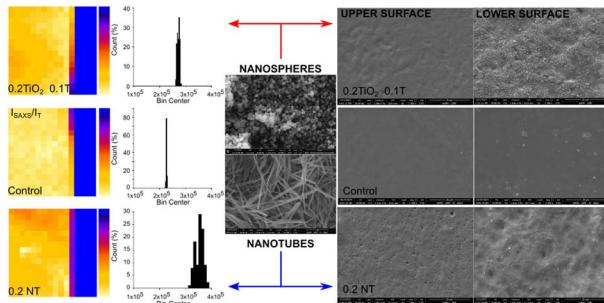
725



## Advanced machine learning techniques for hyacinth bean identification using infrared spectroscopy and computer vision

Pratik Madhukar Gorde, Poonam Singha and Sushil Kumar Singh\*

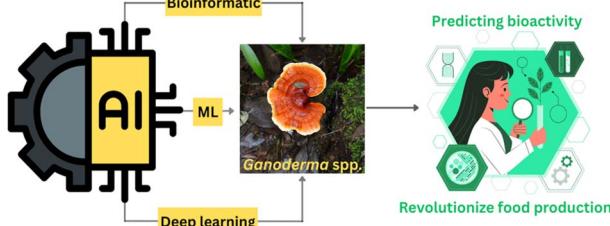
743



## The effect of nanoreinforcement geometry on the physical and structural properties of whey protein concentrate/omega-3 rich oil/TiO<sub>2</sub> nanocomposite films

Lina María Rodríguez Pineda, Dritan Siliqi, Virginia Borroni, Lucas Guz, Francesco Scattarella, Cinzia Giannini, Roberto Jorge Candal, Davide Altamura\* and María Lidia Herrera\*

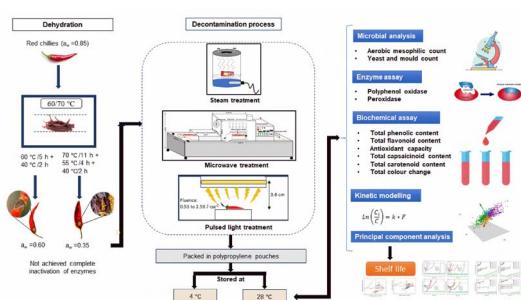
759



## Artificial intelligence-driven innovation in *Ganoderma* spp.: potentialities of their bioactive compounds as functional foods

Sonali Khanal, Aman Sharma, Manjusha Pillai, Pratibha Thakur, Ashwani Tapwal, Vinod Kumar, Rachna Verma and Dinesh Kumar\*

776



## Extending the shelf life of red chilies (*Capsicum annuum*): exploring steam, microwave, and pulsed light treatments under different storage conditions

Kosana Pravallika and Snehasis Chakraborty\*



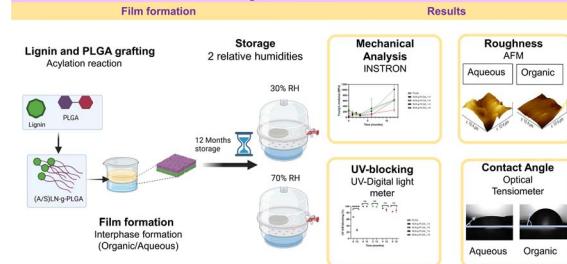
## PAPERS

799

## Stability of multifunctional lignin-g-PLGA films as a function of lignin type and lignin : PLGA ratio

Omar Mendez, Carlos E. Astete, Rafael Cueto, Alvaro Garcia, Jessica R. Eberhard, Fannyuy V. Kewir, Kevin Hoffseth and Cristina M. Sabliov\*

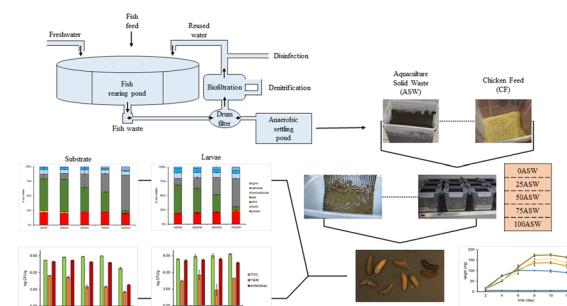
### Stability of multifunctional lignin-g-PLGA films as a function of lignin type and lignin : PLGA ratio



811

## Insect-mediated valorisation of anaerobically digested aquaculture waste: bioconversion performances, nutritional composition and microbial safety of black soldier fly larvae

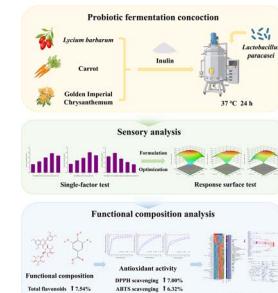
Giacomo Rossi, Shikha Ojha, Julia Hankel and Oliver K. Schlüter\*



822

## A novel concoction method of Chinese medicinal and edible plants: probiotic fermentation, sensory and functional composition analysis

Zhengxu An, Tong Ye, Junwei Yu, Hongjun Wu, Peirong Niu, Xiaobo Wei, Huiyan Liu\* and Haitian Fang\*



837

## Enhancing nutritional value through semi-solid fermentation of quinoa and mango–orange juice: a sustainable approach to food processing

Bordoni Antonella, Rossetti Luciana, Rizzo Sergio Aníbal, Dhuique-Mayer Cláudie, Bárcena Nadia and Descalzo Adriana María\*

