

# Journal of Food Science and Technology

Association of  
Food Scientists &  
Technologists (India)



14/7/23  
SB

For circulation in India only



# Journal of Food Science and Technology

Volume 60 · Number 6 · June 2023

## REVIEW ARTICLES

### Food physics insight: the structural design of foods

P. Mahajan · M.B. Bera · K. Prasad 1643

### A comprehensive review on yogurt syneresis: effect of processing conditions and added additives

M. Arab · M. Yousefi · E. Khanniri · M. Azari · V. Ghasemzadeh-Mohammadi · N. Mollakhalili-Meybodi 1656

### Dietary interventions and nutritional impact on oral health and development: a review

S.N. Chandan · S. Rao 1666

### Partial hydrogenation of oils using cold plasma technology and its effect on lipid oxidation

R. Thirumdas 1674

### Recent technology for food and beverage quality assessment: a review

W.K. Tan · Z. Husin · M.L. Yasruddin · M.A.H. Ismail 1681

### Bioactive compounds of corn silk and their role in management of glycaemic response

J. Singh · P. Rasane · V. Nanda · S. Kaur 1695

## ORIGINAL ARTICLES

### Green extraction and purification of chondroitin sulfate from jumbo squid cartilage by a novel procedure combined with enzyme, ultrasound and hollow fiber dialysis

M.-F. Tsai · C.-Y. Huang · P. Nargotra · W.-R. Tang · K.-T. Liao · Y.-C. Lee · C.-M. Lin · C. Lin · C.-J. Shieh · C.-H. Kuo 1711

### Evaluation of antioxidant and anti-obesity potential of *Sargassum* extracts

Y.-T. Chen · Y.-W. Huang · T.-Y. Shen · C.-C. Wu · J.-J. Wang · S.-L. Hsieh 1723

### Investigation of efficient thermal inactivation parameters of *Escherichia coli* O157:H7 in meatballs by grilling

Ö. Tosuncuk · S.B. Bozatli · A. Dikici 1731

### Impact of whole millet extruded flour on the physicochemical properties and antihyperglycemic activity of gluten free pasta

K.L.F. Pessanha · M.B. Santos · D. de Grandi Castro Freitas-Sá · C.Y. Takeiti · C.W.P. Carvalho 1738

### Fermented milks with specific *Lactobacillus* spp. with potential cardioprotective effects

M. Zambrano-Cervantes · A.F. González-Córdova · A. Hernández-Mendoza · L.M. Beltrán-Barrientos · M.Á. Rendón-Rosales · C.G. Manzanarez-Quin · M.J. Torres-Llanaez · B. Vallejo-Cordoba 1749

### Effect of ultrasonication on emulsion formulation, encapsulation efficiency, and oxidative stability of spray dried chia seed oil

A. Sukumar · P. Gurumoorthi · K.A. Athmaselvi 1761

### A comparative study of tea polyphenols and its palmitic acid-modified derivatives: their effects on the microbial ecosystem and biogenic amines in Chinese sausage

Q. Zhou · M. Mo · B. Tang · Q. He 1772

### Characterization of pea processing by-product for possible food industry applications

G. Nasir · S. Zaidi · A. Siddiqui · R. Sirohi 1782

### Two-stage cultivation strategies for optimal production of *Ganoderma* pellets with potential application in the vegan food industry

S. Bibi · Z.-L. Wang · C. Lin · S.-H. Min · C.-Y. Cheng 1793