

54

ISSN 0022-1155 (print version)
ISSN 0975-8402 (electronic version)

Volume 63 · Number 4 · April 2026

Journal of Food Science and Technology

Association of
Food Scientists &
Technologists (India)



8/7/26
SB

For circulation in India only



REVIEW ARTICLES

Nature's marvel: unravelling the multiphase composition of *Cordyceps militaris* mushroom and its implications as a dietary supplement

S. Parthasarathy · S.V. Tharumasivam · S.H. Aly · B. Giridharan · S. Durairaj · A.M.M. Elbadry · M. El-Shazly 601

Mind gut harmony: psychobiotics effects on the gut-brain axis and harnessing its effects for the mental health

P. Vesnupriya · R. Karukuvelraja · N. Rehanaz · M.E. Shamna · N. Saranya 613

Research progress on the regulation of endogenous enzyme activity in food by low temperature plasma

S. Ren · J. Li · Y. Hou · Y. Song 635

ORIGINAL ARTICLES

Phytochemical, antioxidant, and antimicrobial properties of *Bellardia trixago* methanol and ethanol extracts: insights from ADMET and molecular docking approaches

E.C. Aytar · B. Aydın · A. Durmaz · E.I. Torunoğlu 647

Phosphorylated modification of walnut protein isolate: structural characteristics, functional properties and microencapsulation of *Lactobacillus bulgaricus*

M. Wang · Z. Zheng · Y. Zhang · J. Feng · F. Wang 664

Enhancement of phenolic content and antioxidant activity in snakefruit (*Salacca zalacca* (Gaerth.) Voss) vinegar by malolactic fermentation with *Lactobacillus plantarum*

V.N. Pratiwi · E. Zubaidah · T.D. Widyaningsih · J. Kusnadi 673

The effect of corrugated box containing orange oil to delay ripening in green mango and its mechanism of action

N. Matan · S. Songsamoe 682

Evaluating the physicochemical properties and antioxidant activity of pineapple-oriented energy drink

A.A.A. Aziz · A.S. Yusri · N.Mhd. Sarbon 694

Optimization of protein recovery from Atlantic salmon (*Salmo salar*) head and backbone by response surface methodology and characterization of functional properties and nutritional value

N. Pap · S. Mäkinen · M. Nurmi · P. Marnila · A. Hopia · M. Rotola-Pukkila · M. Sandell · J. Mäkinen · S. Kankaanpää · A. Pihlanto 703

Valorization of tomato waste as a source of additive ingredients: purification, cell proliferation and anti-inflammatory activities of flavonoids from tomato pomace

F. Wang · H. Cui · D. Wang · X. Ren · L. Jin · Q. Chen · L. Pan 714

Preparation of goat milk-based herbal *kalakand* enriched with rhododendron flower juice and jaggery: sensory and functional characterization

A. Kumari · B.K. Singh · L.M. Bal · R.K. Yadav · J. Badshah 723

Crude anthocyanin-rich extract from banana bracts (*Musa cavendish*) and its application as an antioxidant in Birz

E. Şadebo · V.K. Vaidyanathan · B. Srinivasan 731

Enhancing synbiotic dairy beverages with chemically cross-linked inulin for improved texture and stability

H. Oto · H.C. Akal · G. Eminoglu 740

Formulation and analysis of probiotic *Bacillus licheniformis* MCC 2514 infused osmo dried carrot

Rohith HS · I.J. Peerzade · A.S. Chauhan · P.M. Halami 753

Food safety in the production of olive oils. Presence of heavy metals and phthalic acid esters using different types of packaging

A. Charfi · A.J. Moya López · S. Sánchez Villasclaras 766

Functional ready-to-eat cereal-based snacks supplemented with food by-products

S. Hashemian · A.H. Elhamirad · E. Milani · M. Shafari Zenoozian · M. Armin 778

Process standardization and characterization of Pizza cheeses prepared employing starter culture technique using Glucono-Delta-Lactone (GDL) for post-acidification of curd

B. Rajani · A.H. Jana · A. Bihola · S.C. Parmar · A. Shaikh 791

Further articles can be found at link.springer.com/journal/13197

2018 Impact Factor: 1.797

Indexed/abstracted in *Science Citation Index Expanded (SciSearch)*, *Journal Citation Reports/Science Edition*, *PubMed (12 months embargo)*, *PubMedCentral*, *SCOPUS*, *INSPEC*, *Chemical Abstracts Service (CAS)*, *Google Scholar*, *CSA*,

ProQuest, *CAB International*, *ASFA*, *Biological Abstracts*, *BIOSIS*, *CAB Abstracts*, *Current Contents/Agriculture, Biology & Environmental Sciences*, *EI-Compendex*, *Food Science and Technology Abstracts*, *Global Health*, *Indian Science Abstracts*, *INIS Atomindex*, *OCLC*, *SCImago*, *Summon by ProQuest*, *Vitis - Viticulture and Enology Abstracts*

Instructions for Authors for *J Food Sci Technol* are available at www.springer.com/13197