



Hindusthan College of Engineering and Technology

An Autonomous Institution Affiliated to Anna University | Approved by AICTE, New Delhi
Accredited with 'A' Grade by NAAC | Accredited by NBA (ECE, MECH, EEE, IT & CSE)
Valley Campus, Pollachi Highway, Coimbatore 641 032. | www.hicet.ac.in



Department of Food Technology

Publication details

S.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Experimental investigation and modeling of date drying under forced convection solar dryers	G. Jeevarathinam	Biomass Conversion and Biorefinery	2023	21906815
2	Performance analysis of solar and heat pump dryer of small cardamom (Elettaria Cardamomum Maton) using energy analysis, drying kinetics, and quality.	G. Jeevarathinam	Biomass Conversion and Biorefinery	2023	21906815
3	Recent insights into green antimicrobial packaging towards food safety reinforcement: A review	G. Jeevarathinam	Journal of Food Safety	2023	1745-4565
4	Microwave assisted fluidized bed drying of bitter gourd: Modelling and optimization of process conditions based on bioactive Components	G. Jeevarathinam	Food Chemistry: X	2023	2590-1575

5	Mathematical modelling on Drying of Tamarind Fruits	J. Deepa	Journal of Scientific and Industrial Research	2023	0975-1084
6	Impact of Different Drying Techniques on Neem Seeds Drying Kinetics and Oil Quality	J. Deepa	Journal of Food Quality	2023	17454557
7	Optimization of Microwave Assisted Aqueous Extraction of Pigments from Annatto Seeds using BoxBehnken Design	J. Deepa	Biomass Conversion and Biorefinery	2023	21906815
8	Optimization of Process conditions of Neem fruit Depulping Machine for the Production of Premium Quality Seeds and Oils	J. Deepa	Biomass Conversion and Biorefinery	2023	21906815
9	Green Synthesis of α -Fe ₂ O ₃ Nanoparticles Mediated Musa Acuminata: A Study of Their Applications as Photocatalytic Degradation and Antibacterial Agent	S.Dillwyn	Nano-biomedicine and Engineering Journal	2023	2150-5578
10	Optimization of continuous flow pulsed light system process parameters for microbial inactivation in tender coconut water, pineapple and orange juice	G. Jeevarathinam	Journal of Food Process Engineering	2022	1745-4530

11	Effect of incorporation of wheat bran, rice bran and banana peel powder on the mesostructure and physicochemical characteristics of biscuits	G. Jeevarathinam	Frontiers in Nutrition	2022	2296-861X
12	Promising bioactive properties of quercetin for potential food applications and health benefits: A review	G. Jeevarathinam	Frontiers in Nutrition	2022	2296-861X
13	Insilico and Pharmacological Property Analysis of Bioactive Components from Prunus avium against Diabetics	T. Nivetha	Journal of Natural Remedies	2022	0972-5547
14	Nutritional Profile, Phytochemical Compounds, Biological Activities, and Utilization of Onion Peel for Food Applications: A Review	G. Jeevarathinam	Sustainability	2022	2071-1050
15	Effect of Plasma activated water (PAW) on Physicochemical and Functional Properties of Foods	G. Jeevarathinam	Food Control	2022	0956-7135
16	Impact of Drying Methods on the Quality of Bioactive Components in Tree Tomato (Cyphomandra betacae)	S.Dillwyn	Trends in Sciences	2022	2774-0226
17	Design, development, and evaluation of rotary drum dryer for turmeric rhizomes (Curcuma longa L.).	G.Jeevarathinam	Journal of Food Process Engineering	2022	1745-4530

18	Physical and mechanical properties of short and long duration cassava (<i>Manihot esculenta</i> Crantz) cultivars: Implications for the design of continuous type peeling machine.	G.Jeevarathinam	Journal of Food Process Engineering	2022	1745-4530
19	Evaluation and Comparative Study of Antidiabetic Activity of Anthocyanins Derived from - Journal of Natural Remedies	T. Nivetha	Journal of Natural Remedies	2022	2320-3358
20	In-silico and Pharmacological Property Analysis of Bioactive Components from <i>Prunus avium</i> against Diabetics	T. Nivetha	Journal of Natural Remedies	2022	2320-3358
21	Extraction And Optimization of Pectin from Coffee Robusta Pulp and It's application in the food product	Neethu C.S, Princy N, Nageswari G, Rajkumar A, Ashik S. J	International Journal of Advanced Research	2022	2320-5407
22	Design, Development, and Drying Kinetics of Infrared Assisted Hot Air Dryer for Turmeric Slices.	G. Jeevarathinam	Journal of Food Process Engineering	2021	0145-8876
23	Infrared assisted hot air dryer for turmeric slices: Effect on drying rate and quality parameters	G. Jeevarathinam	LWT: Food Science and Technology	2021	2364-38

24	Microencapsulation of bixin pigment by spray drying: Evaluation of characteristics	G. Jeevarathinam	LWT: Food Science and Technology	2021	2364-38
25	Optimization Of Domestic Garlic Flavored Conventional Parboiled Puffed Rice (ORYZA SATIVA L.) Using RSM	K.Swathi	International Journal of Scientific & Technology Research	2020	2277-8616
26	Microwave Assisted Extraction of Polyphenols from <i>Eclipta Prostrata</i>	K.Swathi	International Journal of Innovative Research in Technology	2020	2349-6002
27	Evaluation of antibacterial and antioxidant properties of different varieties of grape seeds (<i>Vitis vinifera L.</i>)	S.Dillwyn	International Journal of Scientific and Technology Research	2020	2277-8616

Books & Book Chapters Publication details

S.No.	Name of the faculty	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Whether at the time of publication Affiliating Institution was same Yes/NO	Name of the publisher
1	G. Jeevarathinam	Role of Artificial Intelligence in Food Processing	Role of Artificial Intelligence in Food Processing	2022	9786205517352	Yes	LAP
2	G. Jeevarathinam	Novel and Alternate Methods in Food Processing, Biotechnological, Physicochemical, and Mathematical Approaches under Book series: Innovations in Agricultural and Biological Engineering	Thermo Physical and Physicochemical Technologies for Drying of Food Products	2022	9781774911624	Yes	Apple Academic and CRC Press
3	J. Deepa	Materials for Sustainable Energy Storage at the Nanoscale	Food Waste Mixed with Carbon Nanotechnology for Energy Storage	2023	201-208/ 2023	No	CRC Press, Taylor & Francis Group, New York
4	J. Deepa	Materials for Sustainable Energy Storage at the Nanoscale	Eco-friendly for Sustainable Nanomaterials for Renewable Energy	2023	419-428 / 2023	No	CRC Press, Taylor & Francis Group,

			Storage				New York
5	J. Deepa	Materials for Sustainable Energy Storage at the Nanoscale	Synthesis of Graphene-Based Nanomaterials from Biomass for energy storage	2023	159-166/ 2023	No	CRC Press, Taylor & Francis Group, New York