## **Table of Contents**

## FoodTech Today - Volume 1, Issue 3 (October, 2024)

	Table of Contents	i
1	Personalized Nutrition and Artificial Intelligence (AI) in Diet Planning Trapti Pathak	1
2	'Nutraceuts' Peels to Diet, a Novel Technology from Discarded Vegetable Peels Madhu P. C.	5
3	Aplication of Ultrasound in Food Processing Industries Vishwaradhya M Biradar and Sourabh Ajit Chougala	9
4	Discovering Arachidic Acid's Possible Industrial Uses M. S. Sujith Kumar, Ibandalin Mawlong, Reema Rani and Babli Mog	12
5	Nutrigenomics: Exploring the Connection Between Diet and Genetics Gayathri Devi and Anitha Chandran C.	14
6	Food Coloring: Enhancing Visual Aid and Marketability of Food Khan Chand, Watisenla Longkumer and Amod Sharma	19
7	Emerging Technologies for Shelf-Life Enhancement of Food Aditya Prasad Sahu, Suman Mohanta, P. Sameer, Minati Mohapatra* and Sanjaya K. Dash	22
8	A Traditional Variety of Rice in Tamil Nadu - Illupai Poo Samba and Its Food Product (Muffins) Kilburt M. and R. Emilin Renitta	25
9	Infrared Radiation: A Breakthrough Technique for Efficient Dehusking and Enhancing Nutritional Quality of Millets  Mounika Edde and Debabandya Mohapatra	27
10	Magic Millet: The Nutritious Alternative to Wheat and Rice Sumiran Pandey	30
11	Post Harvest Biochemical Changes in Vegetable M. Madhumitha, V. Sundaram and M. Karthikeyan	32
12	Role of Biotechnological Applications in Dairy Based Products  Jyoti Sihag	34
13	The Gut Microbiome and Probiotics: A Powerful Partnership for Holistic Health Chandhni P. R. and Lakshmipriya P. R.	37
14	Postharvest Technology of Horticultural Crops  Mullaimaran and Venkatachalam	40
15	Valorization of Dairy By-Products: Pathways to Environmental and Economic Benefits  Robin Kaura and Mohit Singla	45