TABLE OF CONTENTS

i	Editorial and Table of Contents	i-iv
1	Diseases of Rice and Their Management Ram R. M., Patel S. S., Singh A. K., Kumar V., Chandola J. C. and Regar K. L.	1
2	Metagenomics and Meta Transcriptomics Prashanth Kumar A.	7
3	Insect Killer's: The Entomofungal Pathogens Samadhan Yuvraj Bagul, Kumar M., K. Pandiyan, Hillol Chakdar, Arjun Singh	9
4	Metabarcoding Applications in Microbiota Prashanth Kumar A.	13
5	Plasma Technology - A Solution to Fungal Contaminants of Maize D. Thirusendura Selvi	18
6	Bioactive Compounds in Jamun (Syzygium Cumini L.) Ensuring Plant Tolerance Towards Diseases Sruti Das, Sushree Sailaxmi Samal, Adyasha Jena, Akankshya Jena K. Chaitanya, Swagatika Kisan, Swastik Dey and Prachi Khilar	21
7	Nanotechnology: A Potential Alternative for Plant Disease Management Minggap Yirang and Denisha Rajkhowa	26
8	Major Pests of Winter Vegetable Crops Randhawa H. S., Sunil Kashyap N. And N. Pandey	31
9	Mycoviruses: Nature's Fungus-Fighting Allies Dumpapenchala Vijayreddy	35
10	Recent Advances in Plant Disease Management Poornima, Shreevani G.N., Sridevi Chauhan and Bharati S.	39
11	The Impact of Climate Change on Plant Diseases: A Growing Concern Anusha M. Nayak, Farooqkhan, Ismayil M. M. S., Tharana Poonacha T. and Arti	41
12	Integrated Management of Major Pests of Rice Crop Sunil Kashyap, Harpal Singh Randhawa and P S Sarao	43
13	Biological Control of Plant Pathogens: An Eco-Friendly Disease Management Dumpapenchala Vijayreddy	47
14	Role of Artificial Intelligence in Plant Protection Poornima, Shreevani G. N., Bharati S. and Sridevi Chauhan	51
15	Pokkah Boeng Diseases a Threat to Sugarcane Sunil Kashyap, Vikrant Singh and Anuradha	54

16	False Smut Disease: Importance, Distribution, Ecology and Epidemiology Sharanabasav huded, Usha Indrajeeth, Padma Priya, Tulasi manne, Pramesh D.	56
17	Rice Sheath Blight Disease: A Threat to Rice Crop Sapna and Saurabh Dubey	61
18	Genetic Analysis of Resistance Gene Against Plant Diseases Jayanta Kumar Nayak, Subhashree Subhadarshini, Subhrashree Nayak and Anishma Pattanayak	64
19	Interdisciplinary Insights: Airborne Inoculum Monitoring and Epidemiology Anusha M. Nayak, Farooqkhan*, Ismayil M. M. S., Tharana Poonacha T. and Tanuja S.	69
20	Role of Antimicrobial Peptides for Plant Disease Management Anusha M. Nayak, Farooqkhan, Ismayil M. M. S., Tharana Poonacha T. and Rajendra Dhange	71
21	Bioengineering in Crop Disease Management Bhagyashree Priyadarshini, Monalisa Sahoo, Bharati Sahu and Jagyaswani Nayak	73
22	Systemic Induced Resistance: A Strategy in Target of Achieving Sustainable Agriculture Goals through Plant Disease Management Jasmine Nayak, Geet Gunjan, Nehachand Pradhan, Anish Swain, Akash Jena, Shiva Pradhan, Pratik Pradhan and I Parosh	76