TABLE OF CONTENTS

Volume 2, Issue 8 (November, 2024)

Sl. No.	Article ID	Table of Contents	Page No.
		Cinnamon: A Commercially Valuable Tree Spice	
1	ATT240208001	Suitable for Agro-Forestry	1
		Hanumantha M. Karthik H. N. And Roopa S. Patil	
2	ATT240208002	Clonal Propagation in Papaya	5
		C. Shalini and C. Kavitha	3
3	ATT240208003	Digital Image Classification: Exploring Supervised	
		and Unsupervised Techniques	8
		G. Abarnadevi and S. Pristal Augash	
4	ATT240208004	Supply Chain Optimisation in Fresh Fruits	12
-1		Kiran Kotyal and Pooja S Beleri	12
5	ATT240208005	Utilization of Aneuploidy in Crop Improvement	15
	7111240200003	S. N. D. Praveen Kumar and Chintha Suvarna	10
		Heavy Metals Contamination and Their Impact on	
6	ATT240208006	Dairy Cows	19
		Dhanushkodi V., Sabapathi M., Anitha R. and Sangeetha S.	
		Fingerprinting of Volatile Organic Compounds for	
7	ATT240208007	Quick Assessment of Vigour Status of Seeds	21
		Vidya C. J., Lokeshwari, Bhavya K., Sunil and Chethan	
		Bitter Gourd: The Reservoir of Nutrients	
8	ATT240208008	Aishwarya R. Nambiar, M. Sarkar, Lakshmi S., Nila B.	24
		Nair and Rina Solanki	
9	ATT240208009	Care and Management of Animal During Disasters	28
		Deepak Kumar Chaurasia	
		Role of ARGONAUTE 1 in Balancing Plant	
10	ATT240208010	Immunity and Development	31
		G. Punith and Divyashree	
	ATT240208011	Understanding the Role of Women in Driving	
11		Agriculture 5.0	34
		Prachi Pratyasha Jena and Anup Behera	
	ATT240208012	Bacteriocin: An Ecological Perspective	•
12		A.U.K. Ameesha, S. Anu Rajan, N. Chitra and V.I.	38
		Soumya	_
		Biotechnology in Crop Improvement:	
13	ATT240208013	Revolutionizing Agriculture for a Sustainable	41
		Future	
		Meghana Singh Rajotia	
14		Improving Abiotic Stress Tolerance in Crops	
	ATT240208014	through Genome editing Technologies	44
		Sushma M. Awaji*, Prashantkumar S. Hanjagi, Vyshnavi	
		R. G. and A. K. Singh	

15	ATT240208015	Peptide Arsenal: Unlocking Plant Disease Resistance with Antimicrobial Peptides Vanapalli Vasanthi, Manjula Ramappa, Katuri Kiranmai, Alex Khalko and Kalpana	48
16	ATT240208016	Hatchery Biosecurity: Vital for Quality and Healthy Chicks Vijay Kumar	52
17	ATT240208017	Livestock Breed Development Methods J. Sai Prasanna	55
18	ATT240208018	Halophytes and Their Multifaceted Approaches to Salt Stress Tolerance Sushma. M. Awaji, Prashantkumar. S. Hanjagi, Mrunali. S. Karve, Vishnavi Gaikwad and A. K. Singh	59
19	ATT240208019	Impact of Climate Change on Disease and Pest Incidence in Vegetable Crops: A Review Riya Thakur and Ajay Haldar	61
20	ATT240208020	Probiotics as a Good Companion for a Healthy life Jaiba Evans, S. Anu Rajan, N. Chitra and V.I. Soumya	63
21	ATT240208021	Role of CRISPR/Cas9 in Insect Resistance Sumit Mehla, Neeru Balda and Raj Kumar	67
22	ATT240208022	The Prospects of Micro Irrigation in Chandel District of Manipur Kangjam Sonamani Singh	70
23	ATT240208023	Soil Microbiomes: The Hidden World Beneath Our Feet and Its Role in Sustainable Agriculture Khatera Qane and Rohtas Kumar	73
24	ATT240208024	Millets: Cultivation, Adaptability, Unique Nutritional & Health Benefits Neeraj	75
25	ATT240208025	Conservation Agriculture: Enhancing Soil Organic Carbon and Transforming Soil Health Ravina Yadav, Shivam Yadav and Geeta Devi	78
26	ATT240208026	Nature's Great Tricksters: The Science of Mimicry and Deception in Insects Vidya Madhuri E.*, Rupali J. S., Rajna S. and Yuvaraj H. M.	81
27	ATT240208027	Unveiling Versatility: Potential Implications of a Halosucculant Plant- Sea Purslane (Sesuvium portulacastrum) Prashantkumar S. Hanjagi, Sushma. M. Awaji and A. K. Singh	85
28	ATT240208028	Challenges and Opportunities for Women in the Agri-Supply Chain Priyanka and Dhananjay Kumar	88
29	ATT240208029	Artificial Intelligence Methods for Seed Quality Inspection Mayank Tiwari and Manojkumar H. G.	91

30	ATT240208030	Probiotics As a Strategy for Mitigating Heat Stress in Poultry: Enhancing Gut Health and Resilience Susmita Thullimalli and C. Anil Kumar	93
31	ATT240208031	Digital Transformation in Fisheries Inab M. Bala, Tasaduq H Shah and Tabish Farooq	96
32	ATT240208032	Latest Advancements and Innovations in Agriculture and Allied Sciences Dhanashree R. Jadhav, Sagar M. Chavan and Chetna D. Bhamare	99
33	ATT240208033	Wonder of the Forest Garcinia Rajeshwari N., Nagrathna K., Geeta Channal and Geeta Tamagale	102
34	ATT240208034	Genomic Insights and Technologies in Nematology Janani Mani	104
35	ATT240208035	Plant Growth Regulators: A Boon for Inducing Parthenocarpy in Horticultural Crops Rakhi Gautam and Pratibha	108
36	ATT240208036	Impact of Growth Retardant on Biochemical, Physiological and Yield Characters of Cotton Fensi N. Chaudhari, H. R. Ramani, M. D. Khunt and P. S. Patel	111
37	ATT240208037	Azolla: An Alternate Unconventional Livestock Feed Charlotte Coretta Rodricks	114
38	ATT240208038	Agriculture in Budget 2024-25 - A step towards Atmanirbhar Bharat for creating balance between welfare and growth Ashish Madhukar Jadhav	117
39	ATT240208039	Empowering Communities through Sustainable Agricultural Practices Sangya Singh	120
40	ATT240208040	The Sweet Success of a Honey Entrepreneur Kalavathi K. K., Jayashree Pattar and Geeta Tamagale	125
41	ATT240208041	Artificial Intelligence Applications in Horticulture Crops and Its Challenge Ashish Kumar Nagar	127
42	ATT240208042	Traditional Rice for Healthy Life Dhanushkodi V.*, Anitha R. and Sangeetha S.	130
43	ATT240208043	Environmental Pollution: Cause, Effect and Their Control Measures Praveen Kumar	132
44	ATT240208044	The Heat stress: How Genetic Advances Are Helping Crops Beat the Heat Supriya P., Swarajya Lakshmi N. Bollineni and Ravi Kishore M.	135

45	ATT240208045	Potential Utilization of Conservation Agriculture for Improved Soil Carbon Sequestration Sagardeep Sinha	138
46	ATT240208046	Marigold as Commercial Crop, Attractant Plant, Pharmaceutical and Nutraceutical Value Jyothi R., Raghavendra Yaligar, Kavitha Ullikashi, Radha J., Mallikarjuna Lingadalli and Revathi M.	141
47	ATT240208047	Success Story on Integrated Pest Management for White Grub in Groundnut Under CFLD Oilseeds R. S. Telem, N. Jyotsna, Deepak Kumar, Y. Kennedy, W. Dipin, Romila Akoijam and Tabitha Donbiaksiam	143
48	ATT240208048	Climate Change Impact on Soils: Adaptation and Mitigation Vasanth P. and Nithiyasri S.	145
49	ATT240208049	Sustainable Soil Improvement: The Power of Organic and Biofertilizers Muneshwar Prasad Mandal1 and Kiran	147
50	ATT240208050	Impact of agrochemicals on butterflies, the consequences for pollination and Conservational measurements: A review Jyoti Antil, Prashant Tripathi Amita Kanaujia	150
51	ATT240208051	Biology and Management of Fall Armyworm (Spodoptera Frugiperda) in Maize Lokender Kashyap and Sunaina Malik	155
52	ATT240208052	The Role of Microbial Fermentation in Enhancing Agricultural Waste Utilization Bhavneet Kour	159
52	ATT240208053	Foxtail Millet: A Climate-Resilient Crop with Potential to provides Food and Agriculture Security Nagappa Govanakoppa, Chitti Bharatkumar, Shweta A. Mannikeri and Basamma B. Kumbar and Shilpa Chogatapur	162
53	ATT240208054	Proso Millet: Crop of Low Rain Fall Area and Rich in Nutrition Nagappa Govanakoppa, Chitti Bharatkumar, Shweta A. Mannikeri and Basamma B. Kumbar and Shilpa Chogatapur	165