

# **TABLE OF CONTENTS**

<b>i</b>	<b>Editorial and Table of Contents</b>	<b>i-iv</b>
	<b>Nutritional Importance of Dragon Fruit</b>	
<b>1</b>	Ph. Chandramani Singh, L. Basil, L. Somendro Singh, N. Johnson Singh, N. Soranganba, S. Roma Devi, P. Bijaya Devi, Umakanta N., T. Basanta Singh, Ch. Premabati Devi and Ramgopal Laha	<b>1</b>
<b>2</b>	<b>Case Study on Popularization of CTCRI and TNAU Tapioca Varieties in Namakkal District of Tamil Nadu</b> C. Sharmila Bharathi	<b>3</b>
<b>3</b>	<b>The Battle Against Citrus Greening Disease</b> Dumpapenchala Vijayreddy	<b>6</b>
<b>4</b>	<b>Horticultural Crops Suitable for Coconut Planting Systems</b> G. Malathi, V. Sankar, R. Senthil Kumar, G. Anand and R. Jegathambal	<b>10</b>
<b>5</b>	<b>Heirloom Tomatoes: A Culinary Journey through Time</b> Swagat Ranjan Behera and Riya Pandey	<b>14</b>
<b>6</b>	<b>Three Sisters Planting Method: An Indigenous Agricultural Tradition</b> Riya Pandey, Swagat Ranjan Behera and Richa Thapliyal	<b>17</b>
<b>7</b>	<b>Health Benefits of Flower Gardening: Cultivating Wellness and Well-being</b> Gayatri Khangjarakpam, Sumitra Ph, Kh Stina, S Romen Singh, Abhinash M, M Chan Chan and Ng Piloo	<b>22</b>
<b>8</b>	<b>Harvesting the Future: AI-Powered Revolution in Horticultural Sciences</b> Vasanthkumar S. S., Gowshika R. and Pooja U. K.	<b>26</b>
<b>9</b>	<b>Roof Gardening: The Blooming Trend for Elevating Urban Greenery</b> Ajit Tippiannavar and Astha Verma	<b>30</b>
<b>10</b>	<b>Improving Crop Resilience Through Vegetable Grafting</b> Aditya Parashar	<b>34</b>
<b>11</b>	<b>Revolutionizing Horticultural Crop Production: Soilless and Hydroponic Systems in Greenhouses and Vertical Farms</b> Nilesh Sagwal, Anjeeta Nain and Ankit Saini	<b>38</b>
<b>12</b>	<b>Geographical Indications in Horticulture</b> Akshay Mehta, Alkesh Yadav and Aman Kumar	<b>43</b>
<b>13</b>	<b>Importance of Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>) Leaf and Its Application in Food Processing</b> Balaji S	<b>45</b>
<b>14</b>	<b>Horticulture and its Impact on Indian Agriculture Sector and Indian Economy</b> Anamika	<b>49</b>
<b>15</b>	<b>Success Story: Market-led Intervention in Custard Apple</b> P. Vasudev Naik, Mahantesh Y Jogi, Zaheer B. Ahemad and Raju G. Teggelli	<b>52</b>

<b>16</b>	<b>Application of Hydroponics in Floriculture Sector</b> Oendrilla Chakraborty, Arpita Mandal Khan and Dipayan Sarkar	<b>54</b>
<b>17</b>	<b>Maturity Indices of Vegetable Crops</b> S. Hima Bindu and B. Rajasekar	<b>58</b>
<b>18</b>	<b>Indoor Gardening - Best Way to Avoid the Hidden Pollutants</b> P. Pranuthi and S. Nagalakshmi	<b>60</b>
<b>19</b>	<b>Review on Major Physiological Disorders of Cole Crops</b> Sonam Tripathi	<b>64</b>
<b>20</b>	<b>Biotechnology as a Tool to Enhance Shelf Life and Quality of Fruit Crops</b> Alok Kumar and Ng Piloo	<b>68</b>
<b>21</b>	<b>Unlocking the Benefits of Ash Guard Juice: A Health Revelation</b> Pooja M. E. and Madhusudhan Nayak C.	<b>71</b>
<b>22</b>	<b>Value - Added Products from Jackfruit and Papaya for Food Security and Sustainable Development</b> Ajay Ravindran, T.J. Dhanya, M.R. Vijayalakshmi, A.S. Chouhan and M.M. Sreekumar	<b>74</b>
<b>23</b>	<b>Hydrangea Flower- A Natural pH Indicator</b> Sushree Sunandita Patel	<b>76</b>
<b>24</b>	<b>Metal Organic Frameworks as Ripening Controller in Fruits and Vegetables</b> Nile Shubhangi Gorakhnath, Sangeeta Chopra, Devinder Dhingra, P.K. Sahoo and Swapnaja Jadhav	<b>80</b>
<b>25</b>	<b>Vineyard Pruning Residue Mulcher: A natural Resource Management Machinery</b> Swapnaja K jadhav, Tapan Kumar Khura and Pramod Kumar Sahoo	<b>83</b>