

CONTENTS:

Preface

1. Nutraceuticals: The New Way to Anti-Ageing

Peeushsinghal, Ashwani Kumar, Rituvishnoi Singhal, and Sunil Kumar

2. Introduction to Flavonoids

Deepanshu Rana, Nancy Gautam, Keshari Nandan, and Ankit Singh

3. Importance of Flavonoids in Agriculture

Neha Saini, Ritu Kataria, Ittishree Bhardwaj, and Preeti Panchal

4. Therapeutic Antiviral Potential of Flavonoids

Ruchi Rani, Mandar Bhutkar, and Shailly Tomar

5. Regulation of Gene Expression by Flavonoids

Pooja Sabharwal and Priyanka Bhardwaj

6. Flavonoids of Asteraceae: Promising Anti-Inflammatory Agents

S. R. Suja, V. Aswathy, B. S. Bijukumar, and R. Prakashkumar

7. Bioactive Flavonoids from Natural Sources: Potential Immune-Boosters

S. R. Suja, N. M. Krishnakumar, B. S. Bijukumar, and R. Prakashkumar

8. Role of Flavonoids as Anti-Inflammatory Agents

Parul Saini

9. Current Trends in the Health Benefits of Flavonoids

Harsh Mohan, Monika Chauhan, Ajay Kumar, Pragati Saini, and Diwakar Chauhan

10. Analysis of Color Fastness Properties of Natural Dye Extracted from *Rhus parviflora* (Tung) on Wool Fibers Using a Combination of Natural and Synthetic Mordants

Shyam Vir Singh

11. Flavonoids in Treating Pregnancy-Induced Disorders

Niharika Dewangan and Alka Mishra

12. Flavonoids: Their Classes and Biosynthesis

Madhuri Patil and Chandrashekhar Murumkar

13. Plant-Based Flavonoids as a Promising Tool to Combat Infection of Covid-19

Arun Dev Sharma and Inderjeet Kaur

