

CONTENTS

Forward By Dr.P. Sankarankutty , M.D(AY)	vi
Former Director, Ayurveda Med. Edn. Government of Kerala.	
1. Editorial By Dr.K.T Augusti	x
Chief Editor. Rtd. Prof. Department of Biochemistry University of Kerala, Karivattom, Thiruvananthapuram.695581 E-mail ktaugusti @ yahoo.co.uk	

MAIN PART- I

CHAPTER I

1. The Unread Parts of Medicinal plants Dr. K.T. Augusti Rtd. Professor of Biochemistry University of Kerala Thiruvananthapuram.695581	1
2. Medicinal Plants from Abrus Precatorious to Cymbopogon. By Dr. K. Krishnakumar Asst. Professor of Botany Govt. College, Pattambi, Plakkad Dist. Kerala and G.R Sajitha, Lecturer in Biochemistry. Sree Mookambika Institute of Medical Sciences, Kulasekharam, T.N	4
3. The Chemistry, Pharamacology and uses of Adhatoda Vasica Nees to Curcuma Longa Linn. Lekshmi R Nath, Sophia Margaret Joseph and Ruby John Anto, Scientist, E1 Division of Cancer Res. Rajiv Gandhi Centre for Biotechnology. Thiruvananthapuram-695014	41
4. Medicinal Plants from Dalbergia to Dracocephalum Moldavica L; P Faizel Lecture and G.R Sajitha Res. Scholar Dept. Med. Biochemistry School of Health Sciences, Kannur University Palayad Campus Thalassery 670661. Kerala	60

CHAPTER -II

1. Medicinal Plants from Eclipta Alba to Gymnema Sylvestre. T.K Sunitha, Senior Lecturer Dept. Biochemistry School of Med. Education. M G. University, Kottayam 686 008	99
2. Chemistry and Pharmacology of Medicinal Plants from Garcina Kola to Hyoscymus Niger Linn. Dr. G.R. Sajitha Lecturer in Biochemistry. Dr. Somervall Memorial Med. College, Karakonam, Kerala.	115

3. Medicinal Plants from *Iconocarpus Frutescens* (Linn) R. Br. to *Ixora.Coccinia* 138
Dr. M Indira, Reader in Biochemistry and Swathy S.S. Res Associate, Dept. Biochemistry University of Kerala Kariavattom.695 581 & Sunil.S, Lecturer in Biochemistry Acad. Med. Sci. Pariyaram, Kannur, Kerala.
4. Medicinal Plants from *Jacaranda Mimosifolia* to *Lindenbergia indica* (L) Vatka. 169
Dr. Anie Abraham Prof. Biochemistry Sasikala V. Research Associate, Dr. Helen Professor & HOD of RTD Biochemistry and Vijivijayan Res. Associate, Dept. Biochemistry University of Kerala, Kariyavattom, Thiruvananthapuram -695 581

CHAPTER III

1. Medicinal Plants from *Madhuca Longifolia* (Koen) Mac Bride to *Puncia Granatum* Linn Dr. K. Kalpagam Polasa. Deputy Director and HOD. Food and Toxicology Res. Center, Linn. Drs. Dinesh Kumar (Scientist) and Niramala, Verendra Panpatil (Tech. officers) and Chetan (Res. Scholar) National Inst. Nutrition. Hyderabad, 500007 203
2. *Pterocarpus Mansupium* Roxb. Dr. K.T Augusti Rtd. Professor, Dept. Biochemistry University of Kerala, Thiruvananthapuram. 695 581 257
3. Chemistry and Pharmacology of Some Selected Medicinal Plants from *Phyllanthus Amarus* L to *Ocium Sanctum* L. Miss. Lekshmi R. Nath, Drs. Sophia Margaret Joseph and Ruby John Anto. Scientists, Division of Cancer Res. Rajiv Gandhi Center for Biotechnology,. Thiruvananthapuram 695 014. 258

CHAPTER IV

1. Medicinal Plants from *Quassia* to *Tinosporia Cordifolia* (Willd) Miers ex Hook. F& Thomas, Lekshmi R. Nath, Drs. Sophia Margaret Joseph and Ruby John Anto, Scientists, Division of Cancer Res. Rajiv Gandhi Center for Biotechnology. Thiruvananthapuram – 695014 275
2. Medicinal Plants from *Uncaria Surinamensis* to *Wrightia Tinctoria* R. Br. Dr. S. Mini Prof. of Biochemistry, Divya S. Mohan and Prathapan. A. Res Associate Dept. Biochemistry, University of Kerala Kariavattom. Thiruvananthapuram . 6950581 292
3. Medicinal Plants from *Xeromphis Spinosa* Keay to *ZiZYPHUS JUJUSA* Roxb. K. Suneesh former Lecturer in Med. Biochemistry School of Health Sciences, Kannur University Campus, Palayad P.O Thallassery-67661. Kerala and Dr. R. Kaleysa Raj Rtd. HOD of Biochem. Kerala University. 353

MAIN PART- II**CHAPTER V****ADDITIONAL INFORMATION ON THE CHEMISTRY AND PHARMACOLOGY OF
SELECTED MEDICINAL PLANTS**

1. Seventeen Important Medicinal Plants and their Antiaging Properties. Sunil S. 361
Lecturer Dept. Biochemistry Academy of Medical Sciences Pariyaram Kannur,
Dr. K.T Augusti, Rtd Prof. of Biochemistry, Kerala University,
Thiruvananthapuram- 695581
2. The Medicinal Properties of Some Common and Rare Plant Species Found in India 408
and Abroad Sunil. S, Lecturer in Biochemistry ACME Pariyaram, Kannur Kerala.
3. Compounds with Hypoglycemic and Antioxidant Activities Isolated from Certain 468
Indian Medicinal Plants - Review, Dr. K. Krishnakumar, Lecturer in Botany, Govt.
College Pattambi Palakkad Dist. St. Kerala and Dr. K.T Augusti Rtd. Prof of
Biochemistry Kerala University.

CHAPTER VI

1. A Broccoli is a Potent Source of Anticancer Detoxifying and Antioxidant Agents. 477
Dr. R. Kaleysa Raj, Former Prof. & HOD of Biochem. University of Kerala,
Trivandrum
- B. Important Flavonoids, their Sources and Biological Importance K. Suneesh. 477
Former Lecturer in Medical Biochemistry S.H.S. Kannur University Campus
Palayad. Thalassery. 670 661
2. A. Salacia Group of Plants. Chemistry & Pharmacology. Drs. K.T Augusti & 504
Krishna Kumar, (Rtd. Prof of Biochemistry and his Res. Associate, Dept.
Biochemistry, Kerala University, Kariavattom, Tvm-695 581)* Now lectutrer in
Botany, Govt. College, Pattambi, Palakkad
- B. Bioactive Flavonoids Isolated from the Stem Bark of Ficus Bengalensis Linn. 508
Drs. Regi Jose Prof. Comm. Med. Sree Gokulam Medical College, TVM &
K.T Augusti Rtd Prof. Biochemistry, Kerala University.
- C. Asiatic Acid: An Anticancer Pentacyclic Triterpene from Centella Asiatica 510
Mr. Adil Nafar A and Dr. Jose Padikkala (Former Assoc. Director) Amala
Cancer Research Center, Amala Nagar, Thrissur. 68055. Kerala
3. A. Hepatoprotective Effects of a Herbal Tea called “JAUNTEA” Extract Against 516
CCl₄ Induced Hepatotoxicity in Rats. Umesh S.P; Andrews Abraham, Sajimon
Thomas and Dr. K .T. Augusti (Former Prof) Department of Biochemistry.
School of Med. Edn. M.G.University Gandhi Nagar. Kottayam.686 008.
- B. Antiviral Compounds Isolated from Plants. Suja Mathews. Asst. Prof & HOD. 519
MLT. Regional Inst. Med. Sci & Res. M.G. University Puthupally Campus,
Kottayam.

CHAPTER VII

- | | | |
|-------|---|-----|
| 1. | Nutraceuticals, Immunomodulators, and Hepatoprotective Plants. Sunitha T K and Sharlet George. Senior Lecturers, Department of Biochemistry, School of Medical Education, M .G University, Kottayam-686 008 | 525 |
| 2. A. | Phytosterols. Divy. S. Mohan Res Scholar and DR. S. Mini. Professor and Former HOD, Department of Biochemistry, Kerala University | 553 |
| B. | Vegetable Oils with Medicinal Effects, Prevent Cardio Vascular Diseases. Dr. Nevin K.G. and Dr. Rajmohan. T. Department of Biochemistry, University of Kerala, Kariavattom Campus P.O, Thiruvananthapuram- 695581, Sree Narayana Guru Institute of Science and Technology (SNGIST), Thekkethazham, Mannam P.O, North Paravoor-683520. | 560 |
| C. | I. Nutmeg (Myristica Fragrance), by G.R. Sajitha Former Lecturer in Biochem. Sreemookambika Inst. Med. Sci. Kulasekharam T.N. | 568 |
| D. | Tables for the Structures of Biologically Active Compounds of Plant Origin K. Suneesh & P Faizal | 576 |
| E. | Biological Effects of Antioxidants Isolated from Lemons and Allium Species as Compared to Vit. E on the Damages Induced by Nicotine in Rats. Dr. P.L. Vijayammal and K.T. Augusti. | 612 |

CHAPTER VIII

Miscellaneous Items

- | | | |
|----|--|-----|
| 1. | Names of contributors and topics are mentioned, Drs. K.T. Augusti, R. Kaleysaraj, G.R. Sajitha, P.G. Biju, P.Faizal et al. | 619 |
|----|--|-----|

INDEX

ADDENDUM

- | | |
|--|-----|
| Drs. A. Helen, R. Kaleysaraj, K.T. Augusti et al. | 675 |
|--|-----|