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INDEX

S.No	Particulars	Page No
1	Index	1
2	Abstract	2-4
3	Supporting Documents for Books/Chapters (2018-2023)	5-67

P. Padma
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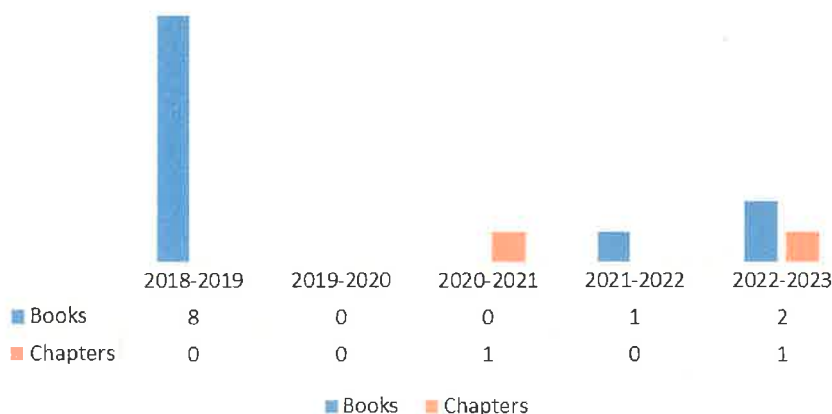
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**Number of books and chapters in edited volumes/books published and papers published in national/
international conference proceedings per teacher from 2018-2023**

Books/Chapters



Sl.No	Calendar year	Book	Chapters	Grand Total
1	2022-2023	2	1	3
2	2021-2022	1	0	1
3	2020-2021	0	1	1
4	2019-2020	0	0	0
5	2018-2019	8	0	8

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List of chapters/books along with the links redirecting to the source website

S.No	Name of the Teacher	Title of the book/chapters published	Link
1	Dr. A. Muthukumar	Chapter Sixteen - Obesity and Diabetes	https://www.sciencedirect.com/science/article/abs/pii/B9780128243121000169
2	Dr. Noopur Srivastava	Social Medicine and preventive pharmacy with multiple-choice questions	http://www.theoxford.edu/pharmacy/naac2024/3.3.2%20Text%20Book1.pdf
3	Dr. Noopur Srivastava	A textbook on Pharmacovigilance with model papers	http://www.theoxford.edu/pharmacy/naac2024/3.3.2%20Text%20Book2.pdf
4	Dr Parthasarathy	Hospital Pharmacy Management and Functions	Hospital Pharmacy Management and Functions / 978-620-4-20999-9 / 9786204209999 / 620420999X (lap-publishing.com)
5	Dr.Padmaa M Paarakh	Evaluation of Anti-diabetic Potentials of Methanol Extract of Ficus hispida Linn. Leaves against alloxan-induced Diabetic rats	http://bp.bookpi.org/index.php/bpi/catalog/book/133 https://www.bookpi.org/media-promotion/discussion-on-evaluation-of-anti-diabetic-potentials-of-methanol-extract-of-ficus-hispida-linn-leaves-against-alloxan-induced-diabetic-rats/
6	Dr Jyoti Srivastava	Analytical method development for drugs, including stability studies	Analytical Method Development For Drugs Including Stability Studies / 978-613-9-45677-2 / 9786139456772 / 6139456770 (lap-publishing.com)
7	Dr Parthasarathy	Pharmaceutical care on alcohol liver disease	https://my.lap-publishing.com/catalog/details/store/cn/book/978-613-9-45699-4/pharmaceutical-care-on-alcoholic-liver-disease?search=Pharmaceutical%20Care%20on%20Alcoholic%20Liver%20Disease
8	Dr. Jyothi Srivastava	Practical manual of microbiology	https://my.lap-publishing.com/catalog/details/store/pt/book/978-620-2-05101-9/practical-manual-of-microbiology?search=practical%20manual%20for%20microbiology

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9	Dr. Karthikeyan	Practical pharmaceutical chemistry	https://my.lap-publishing.com/catalog/details/store/it/book/978-613-9-90625-3/practical-pharmaceutical-chemistry?search=practical%20pharmaceutical%20chemistry%20karthikeyan
10	Dr. Jyothi Srivastava	Antioxidant potential of herbs	https://my.lap-publishing.com/catalog/details/store/es/book/978-613-9-89051-4/antioxidant-potential-of-herbs:-the-state-of-the?search=antioxidant%20potential%20of%20herbs
11	Dr. Karthikeyan	Formulation of rapid release tablet of Telmisartan	https://my.lap-publishing.com/catalog/details/store/gb/book/978-613-9-82383-3/formulation-of-rapid-release-tablet-of-telmisartan?search=formulation%20of%20rapid%20release
12	Mrs Kanchan singh	Magical tablet for treating diabetes and hypertension	https://my.lap-publishing.com/catalog/details/store/gb/book/978-613-9-58268-6/magical-tablet-for-treating-diabetes-hypertension?search=magical%20tablet%20for%20treating%20diabetes
13	Dr. Karthikeyan	Formulation and evaluation of Diltiazem hydrochloride transdermal patch	https://my.lap-publishing.com/catalog/details/store/fr/book/978-613-9-58216-7/formulation-and-evaluation-of-diltiazem-hydrochloride-transdermalpatch?search=formulation%20and%20evaluation%20of%20diltiazem%20hydrochloride

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For the academic year 2022-23, the Oxford College of Pharmacy published 02 books and 01 book chapter.

S.No	Name of the Teacher	Title of the book/chapters published	Link
1	Dr. A. Muthukumar	Chapter Sixteen - Obesity and Diabetes	https://www.sciencedirect.com/science/article/abs/pii/B9780128243121000169
2	Dr. Noopur Srivastava	Social Medicine and preventive pharmacy with multiple-choice questions	http://www.theoxford.edu/pharmacy/naac2024/3.2%20Text%20Book1.pdf
3	Dr. Noopur Srivastava	A textbook on Pharmacovigilance with model papers	http://www.theoxford.edu/pharmacy/naac2024/3.2%20Text%20Book2.pdf

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INDUSTRIAL APPLICATION OF FUNCTIONAL FOODS, INGREDIENTS AND NUTRACEUTICALS

Extraction, Processing and Formulation of Bioactive Compounds

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16. Obesity and Diabetes**535****A. Muthukumar and Rumana Khatija**

Introduction	535
Association between diabetes and obesity	536
Adipose tissue and adipose organ	538
Pathogenic obesity and nutraceuticals	539
Mediterranean diet for diabetes management	541
Functional food for obesity management	541
Carbohydrate based food	542
Impact of vitamin D	543
Dietary calcium	544
Diseases caused by chronic diabetes	544
Diabetic nephropathy	544
Diabetic retinopathy	545
Diabetic neuropathy	545
Gestational diabetes	546
Polycystic ovary syndrome	546
Conclusion	546
References	547

17. Nutraceuticals and functional food in cancer prevention and treatment**551****S.K. Reshmi, J.A. Moses and C. Anandharamakrishnan**

Introduction	551
Background of cancer	553
Types of cancer	553
Types based on the tissue	553
Types based on organ	554
Causes of cancer	554
Cancer treatment options	554
Role of nutraceutical and functional food in cancer prevention	555
Phytochemicals as an antioxidant for cancer prevention	557
Nutraceutical and cancer	558
Nutraceuticals studied for cancer care	559
Functional foods	566
Functional food with anticancer properties	570
Conventional food	570
Modified foods	571
Adjuvant therapy and future direction	572

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Functional foods for the prevention of cardiovascular disease	483
Clinical and scientific evidence of the beneficial effects of nutraceuticals and functional foods	483
Potential bioactive compound for the treatment of heart diseases	483
Resveratrol	486
Polyphenols	488
Quercetin	489
Flavonoids	490
Spirulina and soy nutrients	491
Lycopene	491
Prebiotic fibers	492
Future trends	492
References	493
15. Functional food and nutraceuticals for the prevention of gastrointestinal disorders	501
Ananda Chandrasekara and Geeshani Somaratne	
Introduction	501
Functional gastrointestinal disorders	502
Functional dyspepsia	503
Irritable bowel syndrome	504
Inflammatory bowel disease	505
Low fermentable oligosaccharides, disaccharides, monosaccharides, and polyols diet for functional gastrointestinal disorder patients	509
Initial appointment (low fermentable oligosaccharides, disaccharides, monosaccharides, and polyol diet)	515
Fermentable oligosaccharides, disaccharides, monosaccharides, and polyol reintroduction	515
Fermentable oligosaccharides, disaccharides, monosaccharides, and polyol personalization	516
Role of probiotics for ulcerative colitis	516
Protection and healing of mucosa damage	518
<i>Aloe vera</i> (Acemannan)	519
Turmeric (Curcumin)	521
Probiotics as a functional food	523
Gut–brain axis	524
Future trends	525
References	527



ScienceDirect

Industrial Application of Functional Foods, Ingredients and Nutraceuticals

Extraction, Processing and Formulation of Bioactive Compounds

2023, Pages 535-549

Chapter sixteen - Obesity and Diabetes

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Abstract

Diabetes is a widespread epidemic affecting millions of people each year. The association between diabetes and obesity is not a tale that is waiting to be told. The idea of this chapter is to highlight the importance of early control and to understand the complications of the disease and associated comorbidities. Diabetes and obesity is not only an issue of concern amongst adults now but also huge problem among children. With the increase in the sedentary lifestyle amongst the population and consumption of high-fat foods, the graph of this epidemic sees no fall. A combination of diabetes and obesity is an invitation to many other disorders, not only physical but also psychological.

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P. Padub

CONTENTS

PIYUSH PUBLIC HEALTH : SOCIAL MEDICINE AND PREVENTIVE PHARMACY 1-260

1. CONCEPT OF HEALTH AND DISEASE, SOCIAL AND HEALTH EDUCATION, SOCIOLOGY AND HEALTH, HYGIENE AND HEALTH	1-31
1. CONCEPT OF HEALTH AND DISEASE	
1.1 Types/Dimension of Health	1
1.2 Concept of Health	1
1.3 Determination of Health	2
1.4 Understanding the Concept of Prevention and Control of Disease	3
1.5 Social Causes of Diseases and Social Problems of the Sick	4
2. SOCIAL AND HEALTH EDUCATION	
1.6 Food in Relation to Nutrition and Health	5
1.7 Balanced Diet	9
1.8 Nutritional Deficiencies	10
1.9 Prevention of Nutritional Deficiencies	11
1.10 Malnutrition and its Prevention	12
3. SOCIOLOGY AND HEALTH	
1.11 Factors Influence Health	14
1.12 Materialist Approaches to the Sociology of Health	16
4. HYGIENE AND HEALTH	
1.13 Components of Personal Hygiene	17
1.14 Avoidable Habit	20
<i>Key Points</i>	21
<i>Multiple Choice Questions</i>	21
<i>Answer Key</i>	31
2. PREVENTIVE MEDICINE	32-83
2.1 Cholera	32
2.2 SARS	36
2.3 Ebola Virus	39
2.4 Influenza Virus	41
2.5 Acute Respiratory Infection	43
2.6 Malaria	45
2.7 Chicken Guinea	47
2.8 Dengue	50

CONTENTS

PIYUSH PUBLIC HEALTH :

SOCIAL MEDICINE AND PREVENTIVE PHARMACY

2.9	Lymphatic Filariasis	.....	53
2.10	Pneumonia	.....	56
2.11	Hypertension	.....	59
2.12	Diabetes Mellitus	.....	62
2.13	Cancer	.....	65
2.14	Drug Addiction-Drug Substance Abuse	.....	68
	<i>Key Points</i>	.....	73
	<i>Multiple Choice Questions</i>	.....	74
	<i>Answer Key</i>	.....	83
3.	NATIONAL HEALTH PROGRAMS	.....	84-104
3.1	Objectives	.....	84
3.2	Integrated Disease Surveillance Program (IDSP)	.....	86
3.3	Vaccines Provided under UIP	.....	89
	<i>Key Points</i>	.....	93
	<i>Multiple Choice Questions</i>	.....	94
	<i>Answer Key</i>	.....	104
4.	NATIONAL HEALTH INTERVENTION PROGRAMME FOR MOTHER AND CHILD	.....	105-126
4.1	Development of Mother and Child Health Programme	.....	105
4.2	National Family Welfare Programme	.....	108
4.3	National Tobacco Control Programme (NTCP)	.....	110
4.4	National Malaria Prevention Programme	.....	112
4.5	National Programme for the Health Care of the Elderly	.....	113
4.6	World Health Organization (WHO)	.....	115
	<i>Key Points</i>	.....	117
	<i>Multiple Choice Questions</i>	.....	118
	<i>Answer Key</i>	.....	126
5.	COMMUNITY SERVICES IN RURAL, URBAN AND SCHOOL HEALTH	.....	127-149
5.1	Community Health	.....	127
5.2	Types of Community Health	.....	127
5.4	Objectives of Community Health Services	.....	129
5.5	Rural Health Care System	.....	129
5.6	Functions of Primary Health Centre	.....	132

CONTENTS

PIYUSH PUBLIC HEALTH : SOCIAL MEDICINE AND PREVENTIVE PHARMACY

5.7	Improvement in Rural Sanitation	.....	132
5.8	National Urban Health Mission	.....	133
5.9	Health Promotion and Education in School	.....	135
	<i>Key Points</i>	.....	140
	<i>Multiple Choice Questions</i>	.....	140
	<i>Answer Key</i>	.....	83
6.	GENERAL EPIDEMIOLOGY AND BIO-STATISTICS	.....	150-182
6.1	Epidemiology	.....	150
6.2	Uses of Epidemiology	.....	151
6.3	Measurements in Epidemiology	.....	152
6.4	Epidemiological Study Designs	.....	156
6.5	Basic Concepts of Biostatistics	.....	158
6.6	Types of Data and Data Sources for Public Health	.....	159
6.7	Sampling	.....	164
6.8	Representation of Data	.....	166
	<i>Key Points</i>	.....	172
	<i>Multiple Choice Questions</i>	.....	173
	<i>Answer Key</i>	.....	182
7.	ENVIRONMENT AND HEALTH	.....	183-202
7.1	Basic Concepts and Definitions in Epidemiology	.....	183
7.2	Water and Sanitation	.....	183
7.3.	Environmental Pollution and Health Impacts	.....	186
7.4	Built Environment and Housing	.....	187
7.5	Climate Change and Impact on Health	.....	188
7.6	Waste Management	.....	190
7.7.	Hospital Waste Management	.....	191
	<i>Key Points</i>	.....	192
	<i>Multiple Choice Questions</i>	.....	192
	<i>Answer Key</i>	.....	202
8.	DEMOGRAPHY AND FAMILY PLANNING	.....	203-221
8.1	Definition	.....	203
8.2	Concepts and Indicators Related to Demography and Family Planning	203

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CONTENTS

PIYUSH
A TEXTBOOK ON
PHARMACOVIGILANCE

1-212

1. Introduction to Pharmacovigilance, Introduction to Adverse Drug Reactions and Basic Terminologies Used in Pharmacovigilance	1-41
1.1 Pharmacovigilance.....	1
1.2 History and Development of Pharmacovigilance.....	2
1.3 Importance of Safety Monitoring of Medicine.....	7
1.4 Who International Drug Monitoring Programme.....	8
1.5 Pharmacovigilance Program of India (PVPI).....	13
1.6 Definitions and Classification of Adverse Drug Reactions.....	15
1.7 Detection and Reporting.....	17
1.8 Methods in Causality Assessment.....	20
1.9 Severity and Seriousness Assessment.....	26
1.10 Management of Adverse Drug Reactions.....	27
1.11 Terminologies of Adverse Medication Related Events and Regulatory.....	28
I. Multiple Choice Questions.....	36
II. Short Answered Questions.....	40
III. Long Answered Questions.....	41
2. Drug and Disease Classification, Drug Dictionaries and Coding in Pharmacovigilance, Information Resources in Pharmacovigilance and Establishing Pharmacovigilance Programme	42-75
2.1 Anatomical, Therapeutic and Chemical Classification of Drugs.....	42
2.2 International Classification of Diseases (ICD).....	46
2.3 Defined Daily Dose (DDD).....	47
2.4 International Non-Proprietary Names (INN).....	47
2.5 Who Adverse Reaction Terminologies.....	49
2.6 Meddra and Standardised Meddra Queries.....	51
2.7 The World Health Organization (WHO) Drug Dictionary.....	53
2.8 Eudravigilance Medicinal Product Dictionary.....	53
2.9 Basic Drug Information Resources.....	55
2.10 Adverse Drug Reaction (ADR).....	58
2.11 Pharmacovigilance Program in a Hospital.....	60
2.12 Establishment and Operation of Drug Safety Department in Industry.....	67
2.13 Contract Research Organizations.....	69
I. Multiple Choice Questions.....	71
II. Short Answered Questions.....	75
III. Long Answered Questions.....	75

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(ix)

CONTENTS

PIYUSH A TEXTBOOK ON PHARMACOVIGILANCE

3. Vaccine Safety Surveillance	76-102
3.1 Immunity.....	76
3.2 Vaccine.....	77
3.3 Vaccine Pharmacovigilance.....	81
3.4 Vaccination Failure.....	84
3.5 Adverse Events Following Immunization (AEFI).....	85
3.6 Pharmacovigilance Methods.....	90
3.7 Targeted Clinical Investigations.....	92
3.8 Communication in Pharmacovigilance.....	92
I. Multiple Choice Questions.....	97
II. Short Answered Questions.....	102
III. Long Answered Questions.....	102

4. Vaccine Safety Surveillance..... **103-165**

4.1 Need of Clinical Trials.....	103
4.2 Clinical Trial Phases.....	104
4.3 Drug Safety.....	107
4.4 International Conference on Harmonization (ICH).....	116
4.5 Glossary.....	117
4.6 The Principles of ICH GCP.....	125
4.7 Institutional Review Board/Independent Ethics Committee (IRB/IEC).....	125
4.8 Investigator.....	128
4.9 Sponsor.....	135
4.10 Investigator Selection.....	138
4.11 Allocation of Responsibilities.....	139
4.12 Compensation to Subjects and Investigators.....	139
4.13 Financing.....	139
4.14 Notification/Submission to Regulatory Authority (IES).....	139
4.15 Confirmation of Review by IRB/IEC.....	139
4.16 Information on Investigational Products.....	140
4.17 Manufacturing, Packaging, Labelling, and Coding Investigational Products.....	140
4.18 Supplying and Handling Investigational Products.....	140
4.19 Record Access.....	141
4.20 Safety Information.....	141
4.21 Adverse Drug Reaction Reporting.....	141
4.22 Monitoring.....	141

CONTENTS

PIYUSH A TEXTBOOK ON PHARMACOVIGILANCE

4.23 Audit.....	144
4.24 Noncompliance.....	145
4.25 Premature Termination or Suspension of A Trial.....	145
4.26 Clinical Trial/Study Reports.....	146
4.27 Multicentre Trials.....	146
4.28 Clinical Trial Protocol and Protocol Amendments.....	146
4.29 Investigator's Brochure.....	149
4.30 Expedited Reporting.....	153
4.31 Individual Case Safety Reports (ICSR).....	156
4.32 Periodic Safety Update Reports (PSURS).....	158
I. Multiple Choice Questions.....	161
II. Short Answered Questions.....	165
III. Long Answered Questions.....	165

5. Vaccine Safety Surveillance	166-203
5.1 Genetics Related ADRs.....	166
5.2 Approaches for Identification of Causative Genes.....	167
5.3 Drug Metabolizing Enzymes.....	167
5.4 Enzymes in Inborn Error of Metabolism.....	168
5.5 Paediatrics.....	169
5.6 Goal of Paediatric Legislation.....	170
5.7 Pregnancy and Lactation.....	175
5.8 Geriatrics.....	177
5.9 Cioms.....	179
5.10 Cosco (India) and Pharmacovigilance.....	185
I. Multiple Choice Questions.....	199
II. Short Answered Questions.....	203
III. Long Answered Questions.....	203

Model Question Papers I, II and III..... **204-212**



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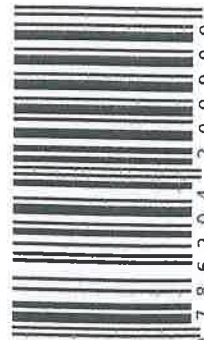
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CONTENTS	Page No.
UNIT-I HOSPITAL AND ITS ORGANIZATION	5
UNIT-II HOSPITAL PHARMACY	12
UNIT-III HOSPITAL BUDGET PREPARATION	32
UNIT IV PHARMACY AND THERAPEUTICS COMMITTEE	37
UNIT-V HOSPITAL FORMULARY	46
UNIT VI HOSPITAL INFECTION CONTROL COMMITTEE	56
UNIT VII HOSPITAL RESEARCH AND ETHICS COMMITTEE	59
UNIT VIII STANDARD THERAPEUTIC GUIDELINES	62
UNIT IX HOSPITAL PHARMACY COMMUNICATION- NEWSLETTER	68
UNIT X PROCUREMENT OF DRUGS AND PHARMACEUTICALS	72
UNIT XI HOSPITAL INVENTORY MANAGEMENT	79
UNIT XII HOSPITAL DRUG DISTRIBUTION SYSTEM	95
UNIT XIII DISTRIBUTION OF NARCOTICS AND CONTROLLED SUBSTANCES	104
UNIT XIV CENTRAL STERILE SUPPLY SERVICES	109
UNIT XV STERILE PRODUCTS MANUFACTURING IN HOSPITAL	113
UNIT XVI TOTAL PARENTERAL NUTRITION (TPN)	122
UNIT XVII RADIOPHARMACEUTICALS	145

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3

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**Evaluation of Anti-diabetic Potentials
of Methanol Extract of Ficus hispida
Linn. Leaves against Alloxan Induced
Diabetic Rats**

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Chapter 5

**Novel Simultaneous Separation and
Quantitative Determination of Four
Sartans in Presence of
Hydrochlorothiazide by Isocratic RP-
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Evaluation of Anti-diabetic Potentials of Methanol Extract of *Ficus hispida* Linn. Leaves against Alloxan Induced Diabetic Rats

V. D. Ravichandra¹ and Padmaa M. Paarakh^{2*}

DOI: 10.9734/bpi/mapr/v3

ABSTRACT

Objective: The present study was designed to evaluate the acute and chronic effects of the methanol extract of *Ficus hispida* against alloxan (150 mg/kg) induced diabetic rats.

Methods: In acute study, hypoglycemic potency of methanol extract of *Ficus hispida* was assessed by oral glucose tolerance test (OGTT) and in chronic study of 21 days, extract at different doses (ie 100, 200 and 400 mg/kg) was screened for its anti-diabetic activity. Blood glucose level had been estimated at 0, 7th, 14th and 21st and addition to this serum concentrations of insulin, triglycerides, cholesterol, serum glutamate oxaloacetate transaminase (SGOT), serum glutamate pyruvate transaminase (SGPT) and urea determined at 21st day of the study.

Results: In OGTT, standard glibenclamide and extract (200 and 400 mg/kg) have shown significant reduction in blood glucose level compared to control group. In chronic model, the methanol extract was effective in reducing the blood glucose levels ($P < 0.001$) at higher dose (200 mg/kg and 400 mg/kg) and effect was comparable to that of standard. The extract could also significantly ($P < 0.001$) reduced level of SGOT, triglycerides and cholesterol in serum and significantly ($P < 0.001$) increased the insulin level in blood which proves beneficial antidiabetic potentials of the extract in diabetic model. The change in concentrations of SGPT and urea were not significant ($P > 0.05$).

Conclusion: The methanol extract of *Ficus hispida* possesses significant anti-diabetic activity in alloxan induced diabetes in rats model.

Keywords: Anti diabetic activity; *Ficus hispida*; alloxan; insulin; blood glucose.

1. INTRODUCTION

The Diabetes Mellitus is one of the common metabolic disorders with micro and macro vascular complications and it has become leading cause for mortality and morbidity in the world wide. The synthetic drugs used for its treatment have many serious complications. Hence always there is a scope for the development of alternative medicine for diabetes among which herbal medicine is first and foremost [1]. Diabetes mellitus (Madhumeha in Sanskrit) has been known since ages and the sweetness of diabetic urine has been mentioned in Ayurveda by Sushruta. However the ayurvedic pharmacotherapy of diabetes is over 80 years old and includes use of several herbal medicines such as *Momordica charantia*, *Aegle marmelos* and Fenugreek seeds which have been scientifically proved [1,2].

The plant *Ficus hispida* (Moraceae) commonly known as devil fig, hairy fig is grows in tropical and subtropical regions of India. The plant is used in traditional system, considered to be medicinally important and proved for many health benefits. A mixture of honey and the juice of these fruit is a good antihemorrhagic [3] but the barks and leaves are of particular interest from a medicinal point of view as anti-diarrhoeal [4] cardioprotective [5] and hypoglycemic [6] activity among others. In

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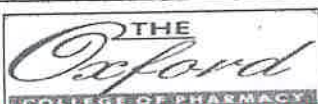
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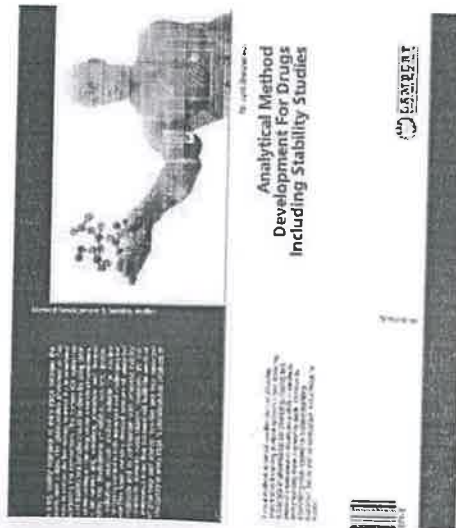


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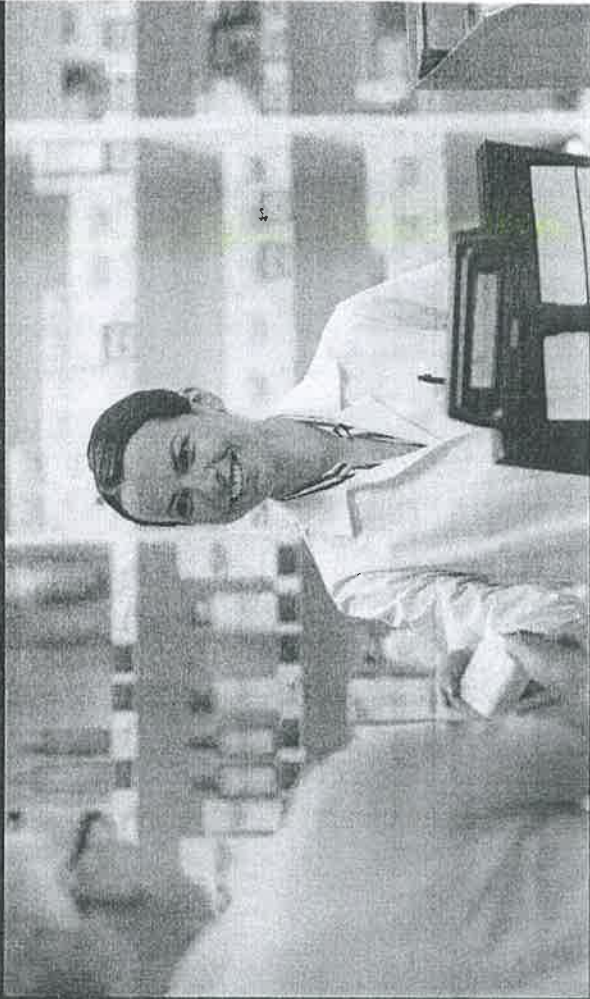
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A study on patients with alcoholic liver disease and to assess impact of pharmaceutical care on related quality of life patients with alcoholic liver disease was conducted. A prospective single centered randomized study was carried out to determine the impact of pharmaceutical care on related quality of life of patients with alcoholic liver disease for a period of six months. The study included in-patients as well as out-patients treated in the General Medicine and psychiatry department who were suffering from alcoholic liver disease. While using self-questionnaires: socio demographic questionnaires of the competence network bowel disease, morbidity list of the German pain questionnaire the German version of the medical outcome study 36 item short form health survey SF(SShort Form)-36. The study revealed that out of 104 patients, who were divided as study group and control group the study group (52patients) with alcoholic liver disease who were given pharmaceutical care are benefited in improving related quality of life. Results: The study showed that there is statistical significance in overall health-related quality of life of alcoholic liver disease patients.



Parthasarathy Govindasamy
Naveen Shivanna
Niveditha Madineni

Pharmaceutical Care on Alcoholic Liver Disease

Parthasarathy Govindasamy is currently working as professor and head of the department of pharmacy practice in The Oxford college of Pharmacy, Bangalore, India since 2017. He is having total 16 years of teaching experience and two years of industrial chemist experience. He is having 15 research papers in his credit in indexed journals.



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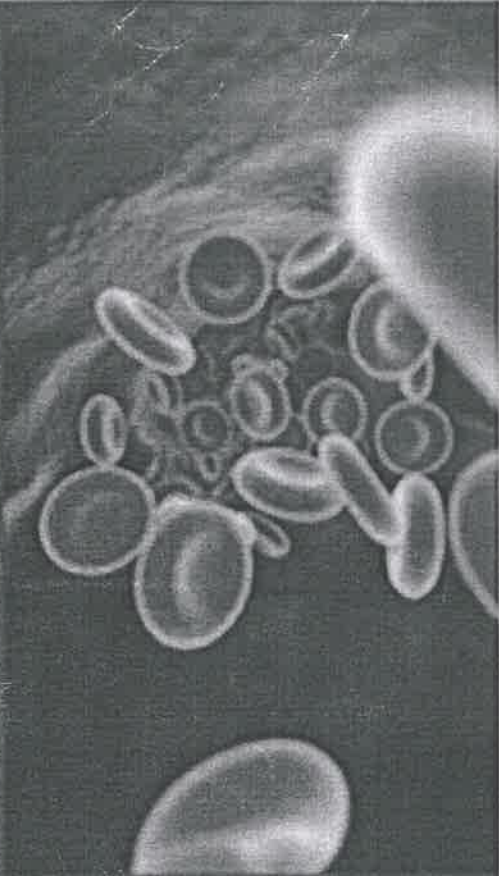
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TABLE OF CONTENT

S. NO.	PARTICULARS	PAGE. NO.
V	TABLE OF CONTENTS	1
	LIST OF TABLES	3-4
VI	LIST OF FIGURES	5
VII	ABSTRACT	6
1.	INTRODUCTION	7-15
	1.1 FUNCTION	
	1.2 LIVER DISEASES	
	1.3 ALCOHOL	
	1.4 ALCOHOLIC LIVER DISEASE	
	1.5 CAUSES	
	1.6 SYMPTOMS	
	1.7 EPIDEMIOLOGY	
	1.8 ETIOLOGY	
	1.9 RISK FACTORS	
	1.9.1 FATTY LIVER	
	1.9.2 HEPATITIS	
	1.9.3 CIRRHOSIS	
	1.10 TREATMENT	
	1.11 WITHDRAWL SYMPTOMS	
	1.11.1 PREVENTING RELAPSES	
	1.12 PHARMACEUTICAL CARE	
	1.13 NEED FOR PHARMACEUTICAL CARE	
	1.14 PATIENT EDUCATION	
2.	AIM AND OBJECTIVES	16
3.	REVIEW OF LITERATURE	17-23
4.	MATERIALS AND METHODS	24-27
5.	RESULT	28-53
6.	DISCUSSION	54
7.	CONCLUSION	55
8.	REFERENCES	54-60
9.	ANNEXURES	60-84
	9.1. PATIENT CONSENT FORM	
	9.2. INFORMATION TO PARTICIPANTS SHEET	


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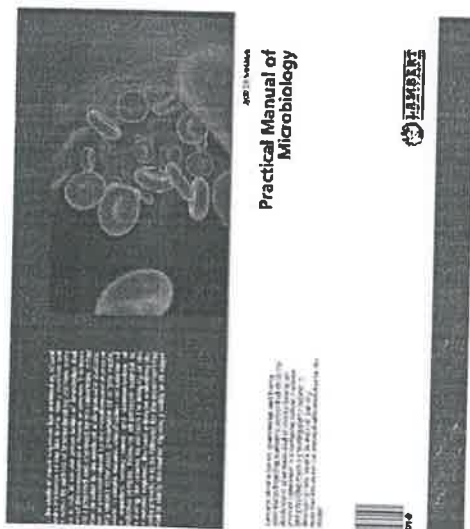
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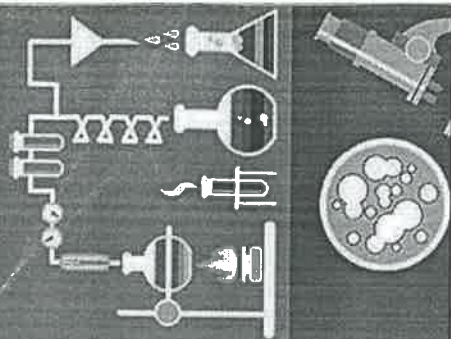
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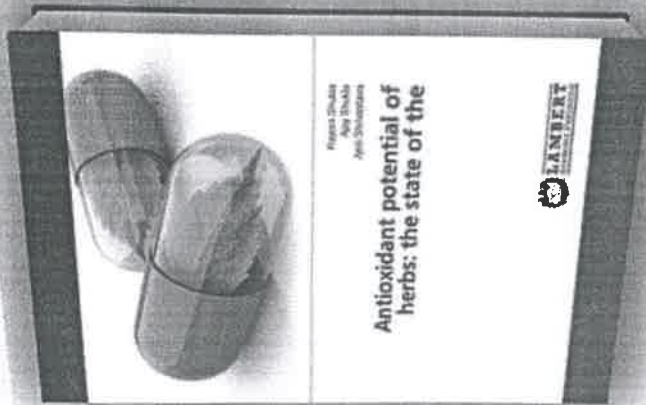


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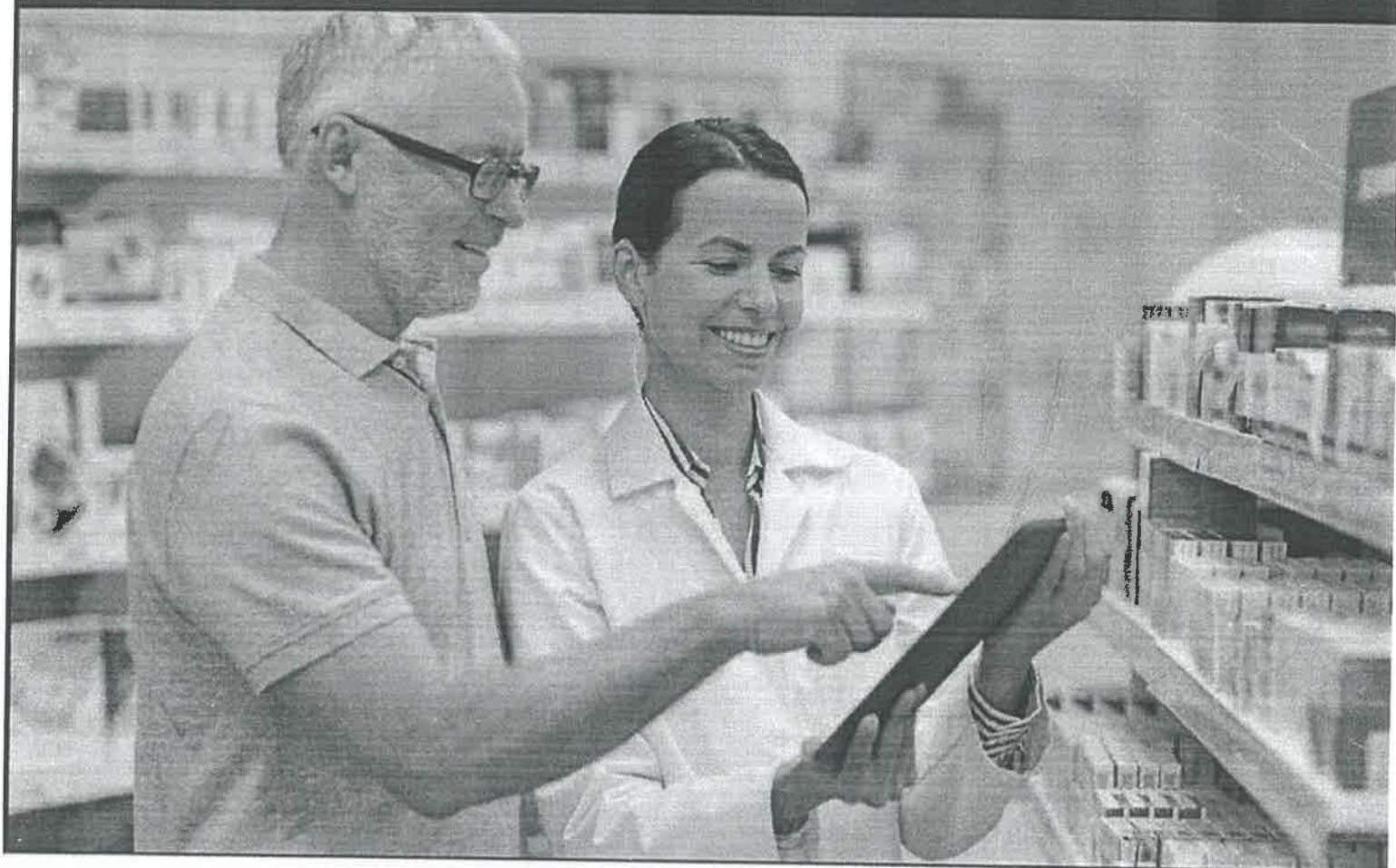
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**Formulation and In-vitro evaluation of rapid release tablet of Telmisartan:
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S.No	Content	Page Number
1	Introduction	2-10
2	Literature Review	11-14
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4	Excipient Profile	19-24
5	Marketed Product	25
6	Aim and Objective	26
7	Plane of Work	27
8	Materials and Methods	28-49
9	Result and Discussion	50-59
10	Conclusion	60
10	References	61-62

Formulation and in vitro evaluation of bilayer tablets of miglitol and valsartan reduces the hypertension and hyperglycemia. Bilayer tablets comprising of immediate release layer (valsartan) and a sustained release layer (miglitol) were formulated using direct compression method by employing croscarmellose sodium as super disintegrant and hydroxypropyl methyl cellulose (HPMC), a hydrophilic matrix forming agent, were used as rate controlling polymers. The formulations were evaluated for different physicochemical properties like hardness, thickness, weight variation, friability, uniformity of drug content and in vitro drug release studies. In vitro drug release was carried out using USP type II at 50 rpm in 900 ml of acidic dissolution medium (pH 1.2) for 2 hours, followed by 900 ml alkaline dissolution medium (pH 7.4) up to 6 hours. Kinetic models were applied to study dissolution profiles to determine the drug release. Two months of stability study were carried out at $30 \pm 2^\circ\text{C} / 65 \pm 5\% \text{RH}$ for all formulations. The results showed that there were no significant changes in physicochemical parameters and in vitro drug release.

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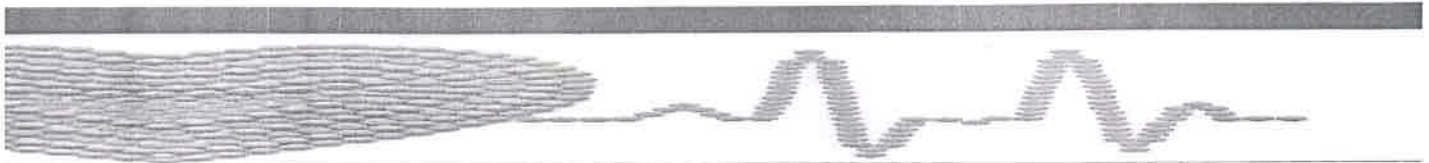
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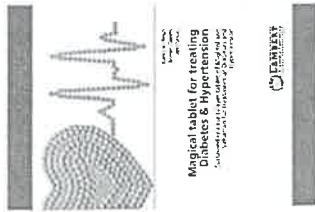
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This work was carried out at the Jayamukhi Institute of Pharmaceutical Sciences. This work is helpful for the transdermal drug development. The transdermal patch was prepared and characterized by suitable physicochemical parameters. The prepared formulation is optimized by suitable parameters. Some of the designed formulations produced extended drug release. The structure of the formulations characterized by I.R. Spectroscopy.

Evaluation of Transdermal Patches



Has Completed B. Pharm, M. Pharm from the Tamil Nadu Dr. M. G. R. Medical University, PhD. from Sun Rise University, India.

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Formulation and evaluation of Diltiazem hydrochloride transdermal patch

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TABLE OF CONTENTS

Sr. No.	Contents	Page No.
1.	Introduction	1-30
2.	Objective	31-33
3.	Review of Literature	34-39
4.	Methodology	40-54
5.	Results	55-74
6.	Discussion	75-77
7.	Conclusion	78
8.	Summary	79
9.	Bibliography	80-87

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