




3.2.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years




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3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	National / International	Calendar Year of publication	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Mr. C V. Jain, et al	A Text Book of Community Pharmacy And Managment As Per PCI Regulation	National	2023		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Prime Publication
2	Mr. C V. Jain, et al	A Text Book of Pharmacology- III As Per PCI Regulation	National	2023		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Shine Publication
3	Mr. C V. Jain, et al	Novel Drug Delivery System As Per PCI Regulation	National	2023		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Shine Publication
4	Mr. C V. Jain, et al	D. Pharm Exit Examination Book As Per PCI Regulation	National	2023		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Shine Publication
5	Mr. C V. Jain, et al	A Text Book of Bio Chemistry As Per PCI Regulation	National	2023		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Shine Publication
6	Dr.R.D. Wagh	T/B of Computer Aided Drug Design	National	2023	978 -1- 543-3430- 69	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	S. Vikas and Company Jalandhar
7	R. B. Patil, et al	Prokinetic Drug Influence on Oxidative Stress in Diabetic Gastroparesis: A Key Player	National	2022	978-1- 957302- 67-6	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Walnut Publication
8	Dr. T.J Shaikh	Prokinetic Drug Influence on Oxidative Stress in Diabetic Gastroparesis: A Key Player	National	2022	978-1- 957302- 67-6	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Walnut Publication
9	R. B. Patil, et al	Novel Indian Traditional Medicinal Plants for Hepatic Impairment	National	2022	978-1- 957302- 67-6	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Walnut Publication



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10	R. B. Patil, et al	Hepatoprotective and Antioxidant Activity of Some Indigenous Plants	National	2022	978-620-6-15292-7	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Lambert Academic Publication
11	Dr. H.V. Deore	Hepatoprotective and Antioxidant Activity of Some Indigenous Plants	National	2022	978-620-6-15292-7	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Lambert Academic Publication
12	Dr. H.V. Deore	Novel Indian Traditional Medicinal Plants for Hepatic Impairment	National	2022	978-1-957302-67-6	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Walnut Publication
13	Dr. T.J Shaikh	Novel Indian Traditional Medicinal Plants for Hepatic Impairment	National	2022	978-1-957302-67-6	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Walnut Publication
14	Dr.R.D. Wagh	Pharmaceutical Inorganic Chemistry -I	National	2022	948-1-543-3439-22	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	S. Vikas and Company Jalandhar
15	Dr.R.D. Wagh	Pharmaceutical Analysis - I	National	2022	-	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Brilliant Publication
16	Dr. V.A. Jagtap	Pharmaceutical engineering – Nirali Publication	National	2022	978-93-88194	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Nirali Publication
17	Dr. S.B. Deshmukh	Recent Advances in Pharmaceutical Sciences	National	2022		DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Innovare Academic Services Pvt. Ltd, Bhopal
18	Dr. V.A. Jagtap	Physical Pharmaceutics I- Nirali Publication	National	2020	978-93-87686878	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Nirali Publication
19	Dr. V.A. Jagtap	Human Anatomy Physiology	National	2018	81-93-630963	DCS's A.R.A. College of Pharmacy, Nagaon, Dhule	Pee Vee Publication –New Delhi



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for Second Year D.Pharmacy

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Pharmacy ₹ 175



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8.10 Review Questions

Figure 1 Book Published by Mr. Chetan Jain, A Text Book of Community Pharmacy And Management” As Per PCI Regulation



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9.8 Accountancy in Community Pharmacy – Day Book, Cash Book
9.9 Introduction to Pharmacy Operation Software’s – Usefulness and Availability
9.10 Customer Relation Management (CRM)
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9.13 Introduction to Digital Health, Mhealth and Online Pharmacies
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CHAPTER

1

Community Pharmacy Practice

Content :

- 1.1 Definition
1.2 Community Pharmacists
1.3 History and Development of Community Pharmacy - International Scenarios
1.4 History and Development of Community Pharmacy - Indian Scenarios
1.5 Review Questions

Mark Weightage : 04

1.1 Definition :

A community pharmacy is a healthcare facility that is able to provide pharmacy services to people in a local area. A community pharmacy dispenses medicine, typically involving a registered pharmacist with the education, skills and competence to deliver professional service to the community.

Or

A community pharmacy is a pharmacy that deals directly with the people in the local area. It has responsibilities including compounding, counseling checking and dispensing of prescription drugs to the patient with care, accuracy and legality.

1.2 Community Pharmacists :

They are the health professionals most accessible to the public. A community pharmacy, often referred to as a retail pharmacy or retail drug outlet, is a place where medicines are stored and dispensed, supplied or sold. The general population usually calls community pharmacies "medical stores."

Pharmacists working in the community practice setting are either diploma pharmacists or graduate pharmacists with B. Pharm degrees. Throughout this paper the word "Pharmacist" has

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Book Published by Mr. Chetan Jain A Text Book of Community Pharmacy And Management” As Per PCI Regulation continued



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THIRD YEAR B.PHARM SEMESTER- VI

A TEXTBOOK OF PHARMACOLOGY III
As Per PCI Regulations

Mr. Chetan Vijaykumar Jain
Mr. Akshay kasambe
Mr. Sandeep Prabhakarrrao Vajir
Ms. Pratiksha Rajkumar Ravankole
Ms. Rutuja Nitin Takawane

S.N.	Title	Page No.
1	Pharmacology of Drugs Acting on Respiratory System. -Anti-asthmatic drugs, ... -Pharmacology of Drugs Acting on the Gastrointestinal Tract. Antulcer. ...	
2	Chemotherapy -General principles of chemotherapy.	
3	Chemotherapy -Antitubercular substances	
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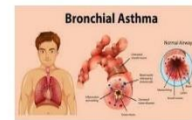
UNIT-1
Medications Working on the Respiratory System: Pharmacology

- Anti-asthmatic medications.
- drugs that are used to treat COPD.
- Antitussives and expectorants.
- nose-clearing medications, stimulants for the lungs

1. Anti-Asthmatic Medications.

Asthma

- Disorder of the respiratory system that leads to episodic difficulty in breathing
 - Chronic inflammatory disease of the respiratory tract, in which many cells and cellular elements play a role
 - mast cells, eosinophils, T lymphocytes, macrophages, neutrophils, epithelial cells
- BRONCHIAL ASTHMA



- Also called reversible airway obstruction
- A clinical syndrome characterized by recurrent attacks of bronchospasm
- Increased sensitivity of tracheobronchial smooth muscles to various stimuli
- It results in narrowing of the airways
- Chronic inflammatory disease with reversible airflow obstruction
- Inflammation of the bronchial wall mediated by eosinophils, mast cells and lymphocytes
- Bronchial hyperreactivity - easily narrowed by stimuli
- In late stages - irreversible

Figure 2 Book Published by Mr. Chetan Jain, "A Text Book of Pharmacology- III As Per PCI Regulation"



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D.Pharm Exit Examination Book

1. PHARMACEUTICS					
Sr. No	Questions	Correct Answer	Option 2	Option 3	Option 4
1.1: Prescription					
1	Written order from a registered medical practitioner to a pharmacist is	Prescription	Inscription	Patient Record	Reoprt
2	Which of the following is not a part of prescription?	Perception	Subscription	Inscription	Superscription
3	The symbol Rx represented as..	Superscription	Inscription	Subscription	Superperfection
4	Direction to the pharmacist is represent by	Subscription	Superscription	Inscription	Superperfection
5	Which of the following is not a part of Inscription?	Additives	Base	Adjuvant	Vehicle
6	Direction to the patient from pharmacist is represented by	Signatura	Letterpad	Caution	Notification
7	Which of the following is not part of handling of prescription?	Formulating	Receiving	Reading & Checking	Weighing
8	What is the meaning of Auristille?	Ear Drop	Eye Drop	Nasal Drop	All of the above
9	What is the meaning of Cataplasma?	A poultice	Eye drop	Eye Drop	Capsule
10	What is the meaning of collutorium?	A mouth wash	A hand wash	A face wash	A eye wash
11	What is the meaning of Liquor?	A Solution	A Suspension	An Emulsion	A Solvent
12	After the compounding and labelling a container should be polished for	To remove the figure prints	To shine the container	To enhance appearance of formulation	To make product more attractive
13	The latin term semel in die is represent as.....	Once a day	Twice a Day	Thrice a Day	Anytime in Day
14	The old system of weights and	Imperial system	Metric system	Involuntary system	None of the above

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Final Year B. Pharm
NOVEL DRUG DELIVERY SYSTEM
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Semester VII

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Unit-I
Controlled drug delivery systems

- Introduction, terminology/definitions and rationale, advantages, disadvantages, selection of drug candidate.
- Approaches to the design of controlled release formulations based on the principles of diffusion, dissolution and ion exchange.
- Physico-chemical and biological properties of drugs relevant to controlled release formulations.
- Polymer: Introduction, classification, properties, advantages and applications of polymers in the formulation of controlled release drug delivery systems.

1. Controlled drug delivery systems: Introduction, terminology/definitions and rationale, advantages, disadvantages, selection of drug candidate. Approaches to design controlled release formulations based on diffusion, dissolution and ion exchange principles.

Physicochemical and biological properties of drugs relevant to controlled release formulations. Polymer: Introduction, classification, properties, advantages and application of polymers in formulation of controlled release drug delivery systems.

The science of controlled release was first originated from the development of oral sustained release products in the 1940s and early 1950s. First of all, the controlled release of murine antifolates (the 1950s) and controlled release of fertilizer (1970s) were formulated which had only a single application in the soil science. The development of the pharmacology and pharmacokinetics demonstrated the importance of drug release rate in determining therapeutic effectiveness of therapy. This becomes the reason behind the development of controlled release. The modified release dosage forms are entirely new. The first time Rhoads formulates microencapsulated pills about A.D 900. This technique widely adopted in the 10th century by Paracelsus, in the form of gold, silver and pearl coated tablets, this coating modifies the drug release rates. Advancement in the coating technology including sugar & enteric coating on the pills & tablets in the late 1800s. The further coating developed to the enteric coating of tablets followed by incorporation of the second drug to sugar coating layer, this happened near about 1938.

However, the first patent for oral sustained release preparation went in the favour of Lipowski; his preparation contained small coated beads that were releasing the drug slowly & constantly. This idea later developed by Bytho and launched the first marketed sustained release product in 1952. Over the past 30 years as the competition involves in the marketing of new drug, increased and various advantages recognized of Controlled release drug delivery system

Figure 4 Book Published by Mr. Chetan Jain, "Novel Drug Delivery System As Per PCI Regulation"



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D.Pharm Exit Examination Book

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1.1: Prescription					
1	Written order from a registered medical practitioner to a pharmacist is	Prescription	Inscription	Patient Record	Reoprt
2	Which of the following is not a part of prescription?	Perception	Subscription	Inscription	Superscription
3	The symbol Rx represented as..	Superscription	Inscription	Subscription	Superperfection
4	Direction to the pharmacist is represent by	Subscription	Superscription	Inscription	Superperfection
5	Which of the following is not a part of Inscription?	Additives	Base	Adjuvant	Vechicle
6	Direction to the patient from pharmacist is represented by	Signatura	Letterpad	Caution	Notification
7	Which of the following is not part of handling of prescription?	Formulating	Receiving	Reading & Checking	Weighing
8	What is the meaning of Auristille?	Ear Drop	Eye Drop	Nasal Drop	All of the above
9	What is the meaning of Cataplasma?	A poultice	Eye drop	Eye Drop	Capsule
10	What is the meaning of collutorium?	A mouth wash	A hand wash	A face wash	A eye wash
11	What is the meaning of Liquor?	A Solution	A Suspension	An Emulsion	A Solvent
12	After the compounding and labelling a container should be polished for	To remove the figure prints	To shine the container	To enhance appearance of formulation	To make product more attractive
13	The latin term semel in die is represent as.....	Once a day	Twice a Day	Thrice a Day	Anytime in Day
14	The old system of weights and	Imperial system	Metric system	Involuntary system	None of the above

Fig 5 Continued....Book Published by Mr. Chetan Jain D. Pharm Exit Examination Book As Per PCI Regulation continued



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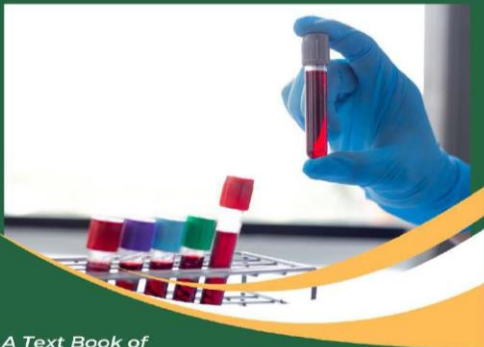
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A Text Book of
BIO CHEMISTRY
As Per PCI Regulation

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Mr. Akshay Kasambe
Ms. Rutuja Nitin Takawane
Mr. Sandeep Prabhakarao Vajir
Mr. Chetan Vijaykumar Jain

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Figure 6 Book Published by Mr. Chetan Jain, A Text Book of Biochemistry As Per PCI Regulation”

BIOCHEMISTRY

Chapter-1

Introduction to Biochemistry

Syllabus

Introduction to biochemistry: The role of biochemistry in pharmacy; The structure of the cell's biochemistry

Overview of biochemistry

- Biochemistry is the study of the chemicals and chemical reactions that take place inside of living things.
- To comprehend the intricate chemical processes and structures that make up living systems, it blends the concepts of chemistry, biology, and physics.
- Biochemists research the composition and mechanisms governing the reactions that take place within biomolecules such proteins, nucleic acids, carbohydrates, and lipids.
- They also look into the molecular and genetic factors that control these activities. The life sciences' foundational field of biochemistry has applications in biotechnology, agriculture, and medicine.

Pharmacy biochemistry applications:

The field of biochemistry in pharmacy covers a wide range of areas related to the development, distribution, and discovery of drugs. The following are some of the major areas in pharmacy where biochemistry is important:

- The structure and function of biomolecules**, such as enzymes and receptors, which are essential targets for drug development, are understood through biochemistry. This information is used by biochemists to create and create novel medications that can attach to certain targets and control their activity.
- Pharmacokinetics and drug metabolism:** Biochemistry is also used to understand how pharmaceuticals are metabolized in the body, which can have an impact on their efficacy and safety. This information is used by biochemists to improve the pharmacokinetics of medications, making them more efficient and less harmful.
- Natural products:** Natural molecules from plants, microorganisms, and other sources that can be employed as medications or drug leads are identified and isolated using biochemistry. Biochemists purify and examine these substances using methods like mass spectrometry and chromatography.



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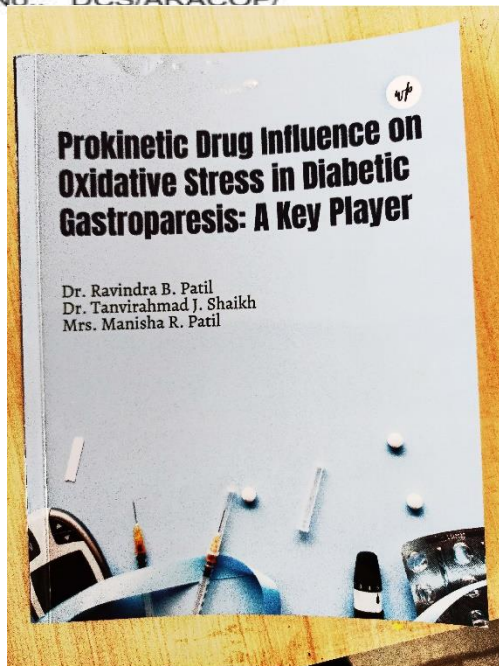


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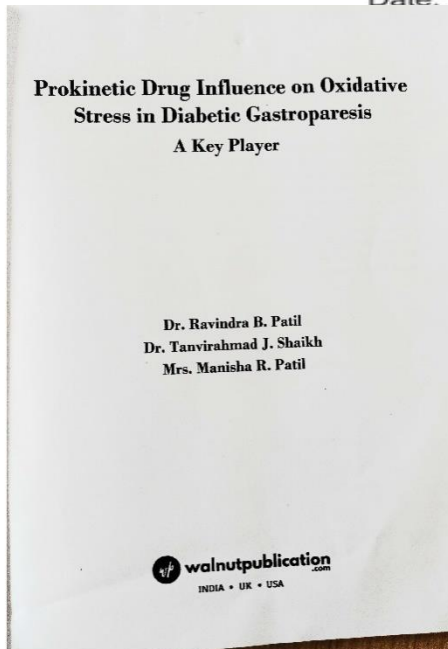
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Introduction

Introduction

Oxidative Stress:
Oxidative stress is defined in general as excess formation and insufficient removal of highly reactive molecules such as reactive oxygen species (ROS) and reactive nitrogen species (RNS). These are nothing but the free radicals are an atom or a molecule with one or more unpaired electrons. Free radicals can cause oxidation injury to the living beings by attacking the macromolecules like lipids, carbohydrates, proteins and nucleic acid. Under normal physiological conditions, there is a critical balance in the generation of oxygen free radicals and antioxidants defense systems used by organisms to deactivate and protect themselves against free radical toxicity. Impairment in the oxidant/antioxidant equilibrium creates a condition known as oxidative stress. Oxidative stress is also known to be a component of human diseases such as cancer, diabetes mellitus, cardiovascular, neurological and gastrointestinal diseases like gastroparesis. Oxidative stress refers to a condition in which the protective mechanisms are compromised, reactive oxygen species accumulated and neurons become more susceptible to excitotoxic damage. Excitotoxicity may contribute to some neurodegenerative diseases.¹

ROS includes free radicals such as superoxide (O₂⁻), hydroxyl (OH), peroxy (RO₂) hydroperoxy (HRO₂) as well as nonradical species such as hydrogen peroxide (H₂O₂) and hydrochloric acid (HOCl). RNS include free radical like nitric oxide (NO) and nitrogen dioxide (NO₂) as well as nonradical such as Nitrosonitrite (ONOO⁻), nitrous oxide (HNO₂) and alkyl peroxy nitrates (RONOOC).¹

The Reactive oxygen and Nitrogen species again divided in to radicals and nonradicals. They are summarized in following Table 1.

1 | Prokinetic Drug Influence on Oxidative Stress in Diabetic Gastroparesis: A Key Player

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Figure 7 Book Published by Dr. R.B. Patil, “Prokinetic Drug Influence on Oxidative Stress in Diabetic Gastroparesis: A Key Player”



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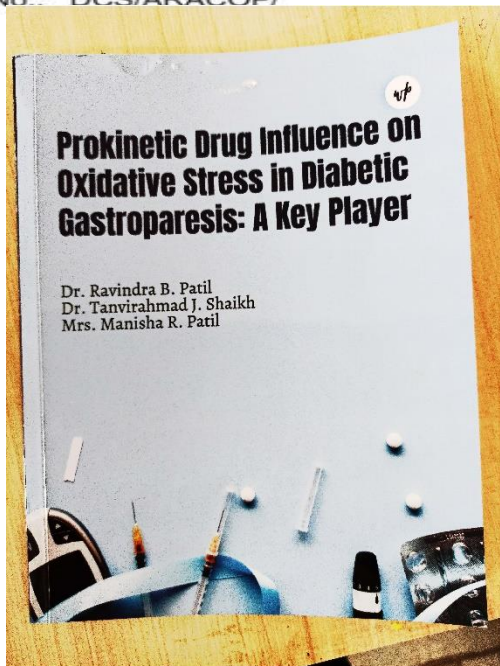


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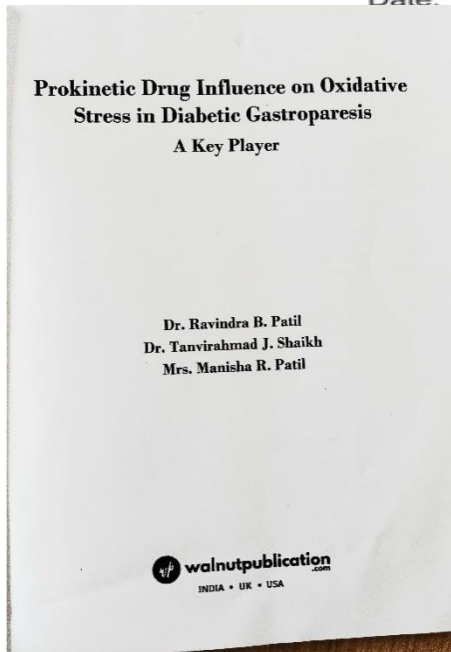
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Introduction

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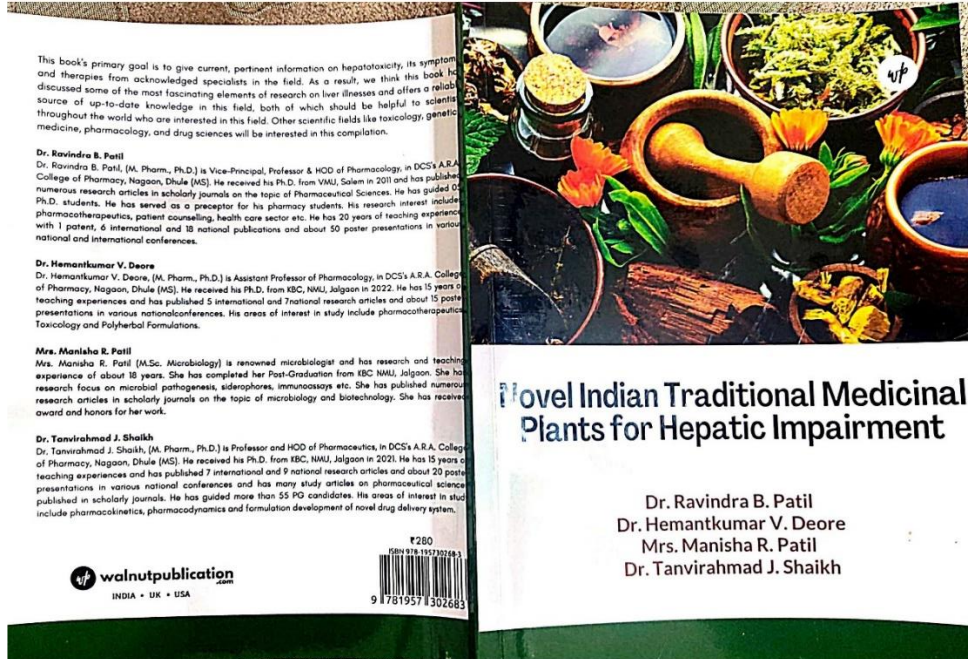


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This book's primary goal is to give current, pertinent information on hepatotoxicity, its symptoms and therapies from acknowledged specialists in the field. As a result, we think this book has discussed some of the most fascinating elements of research on liver illnesses and offers a reliable source of up-to-date knowledge in this field, both of which should be helpful to scientists throughout the world who are interested in this field. Other scientific fields like toxicology, genetic medicine, pharmacology, and drug sciences will be interested in this compilation.

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Novel Indian Traditional Medicinal Plants for Hepatic Impairment

Dr. Ravindra B. Patil
Dr. Hemantkumar V. Deore
Mrs. Manisha R. Patil
Dr. Tanvirahmad J. Shaikh

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Introduction

Liver is the most important organ, which plays a pivotal role in regulating various physiological processes in the body. It is involved in several vital functions, such as metabolism, secretion and storage. (Shanmugasundaram et al.,2006)

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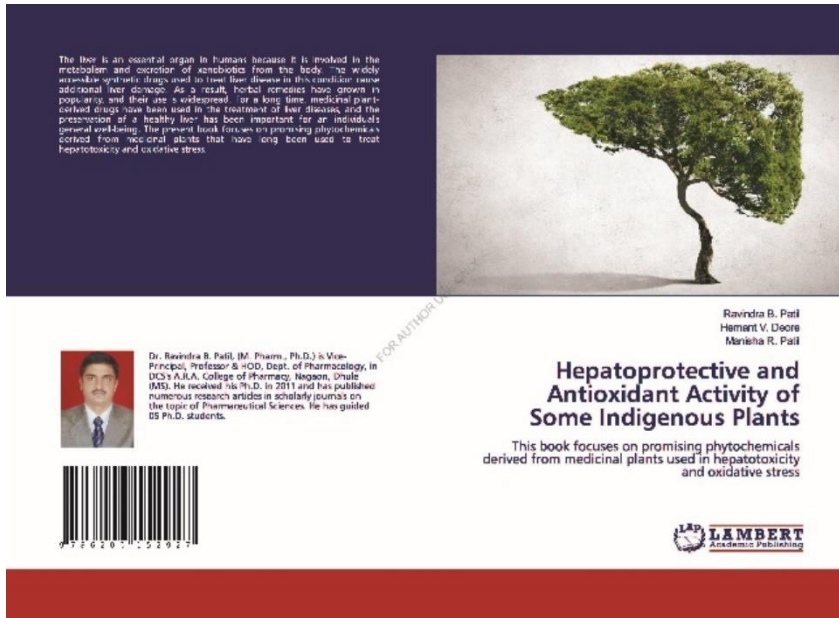


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The liver is an essential organ in humans because it is involved in the metabolism and excretion of xenobiotics from the body. The widely available synthetic drugs used to treat liver disease in this condition have additional liver damage. As a result, herbal remedies have grown in popularity, and their use is widespread. For a long time, medicinal plant-derived drugs have been used in the treatment of liver disease, and the preservation of a healthy liver has been important for an individual's general well-being. This present book focuses on promising phytochemicals derived from medicinal plants that have long been used to treat hepatotoxicity and oxidative stress.



Ravindra B. Patil
Hemant V. Deore
Manisha R. Patil

Hepatoprotective and Antioxidant Activity of Some Indigenous Plants
This book focuses on promising phytochemicals derived from medicinal plants used in hepatotoxicity and oxidative stress



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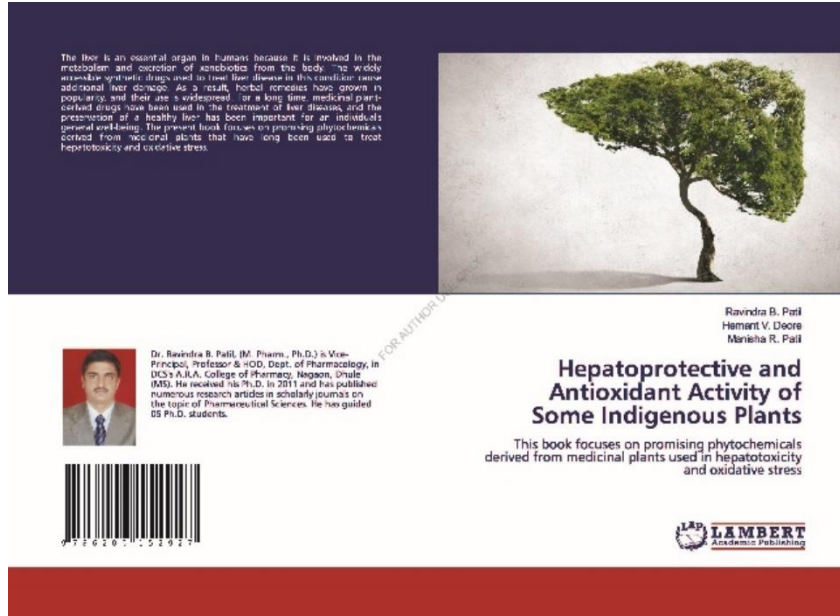


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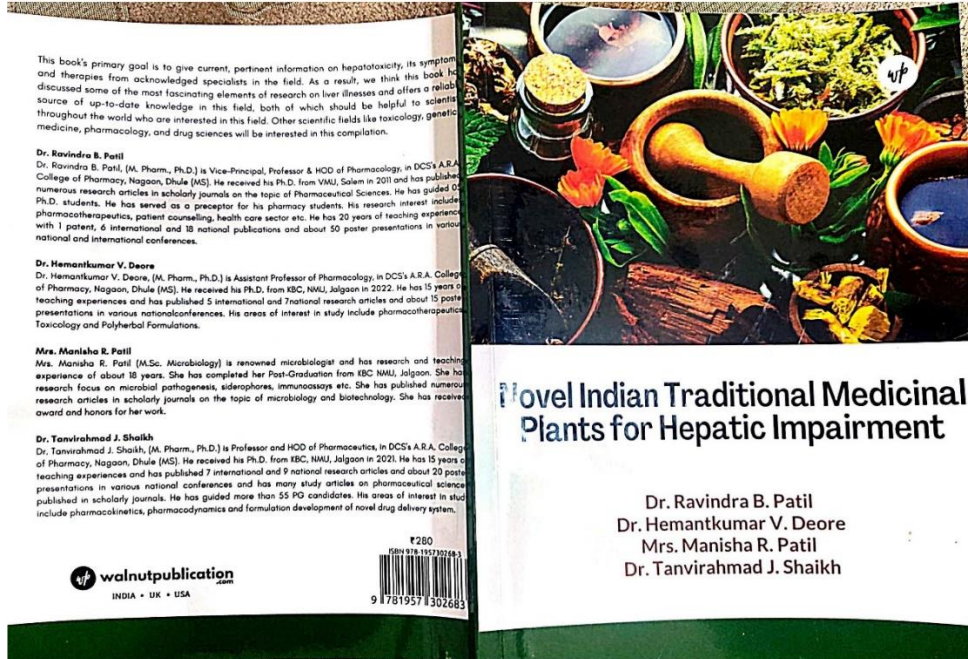


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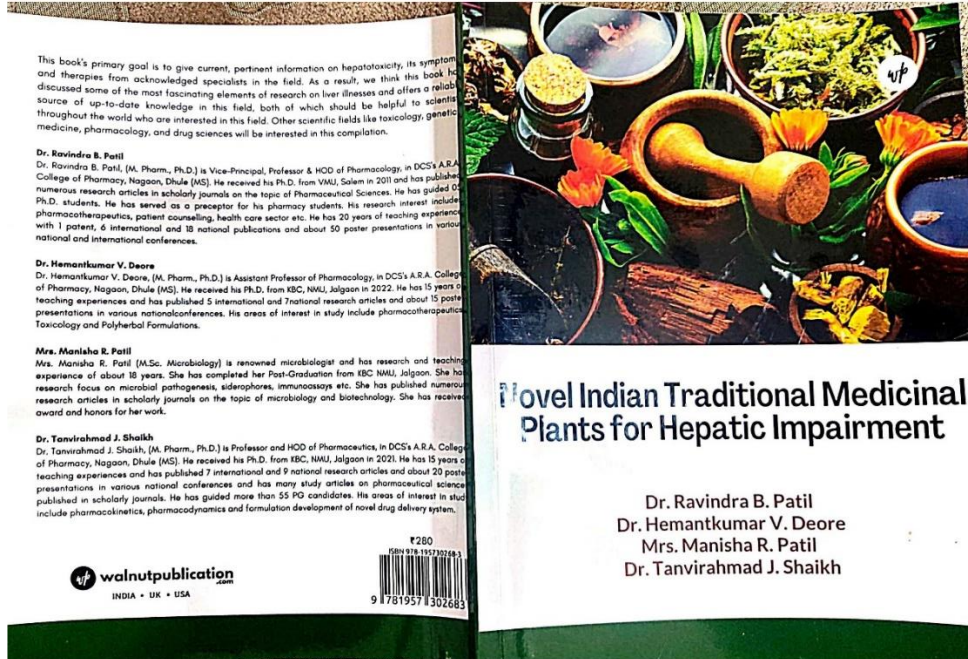


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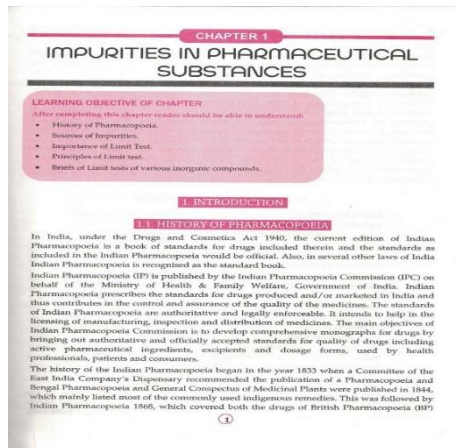
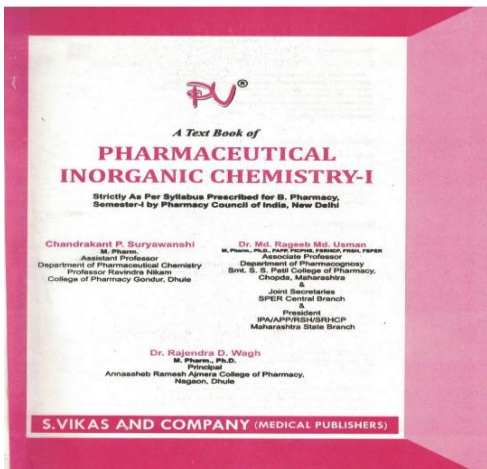
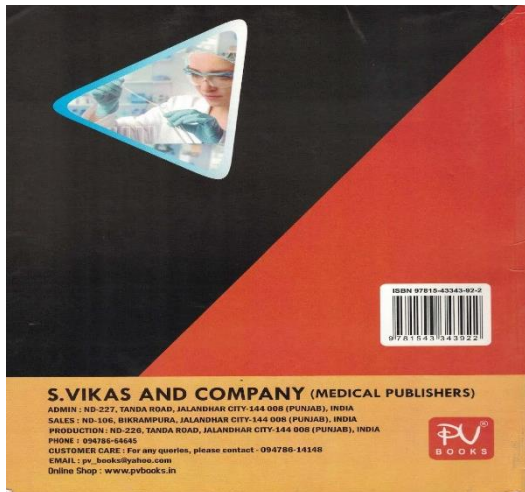


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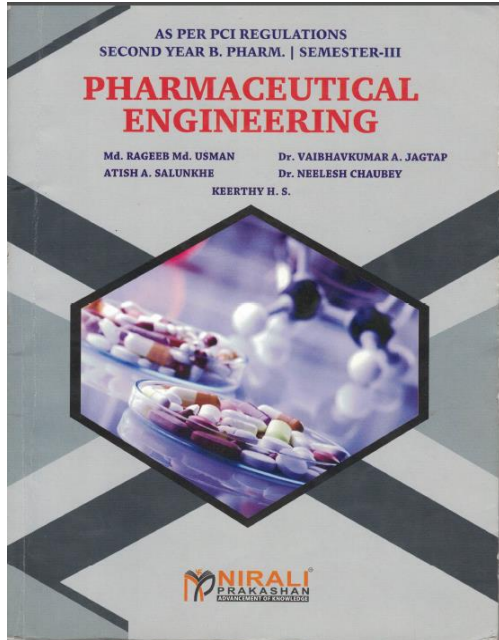


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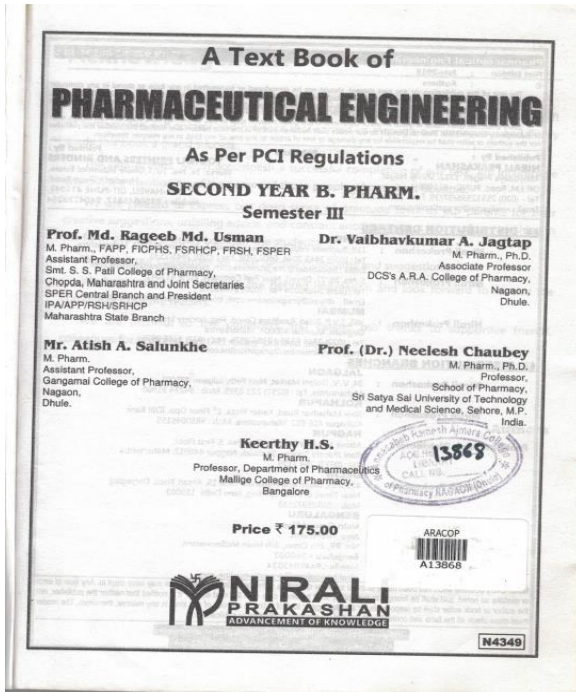
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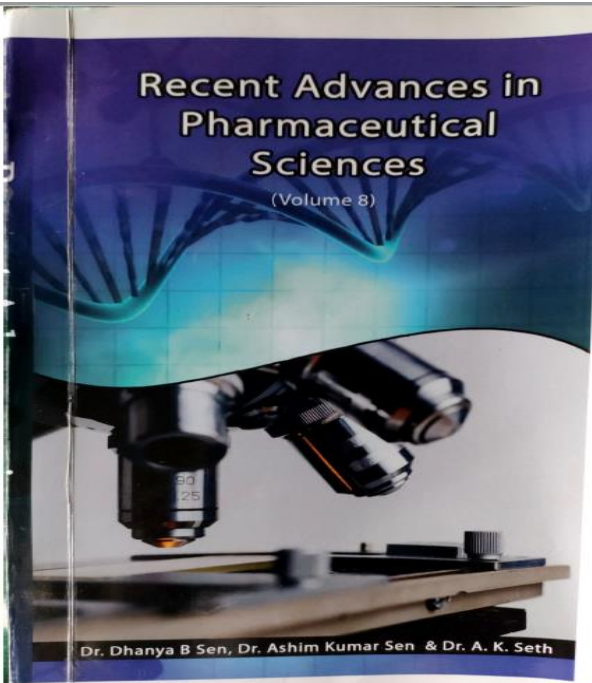


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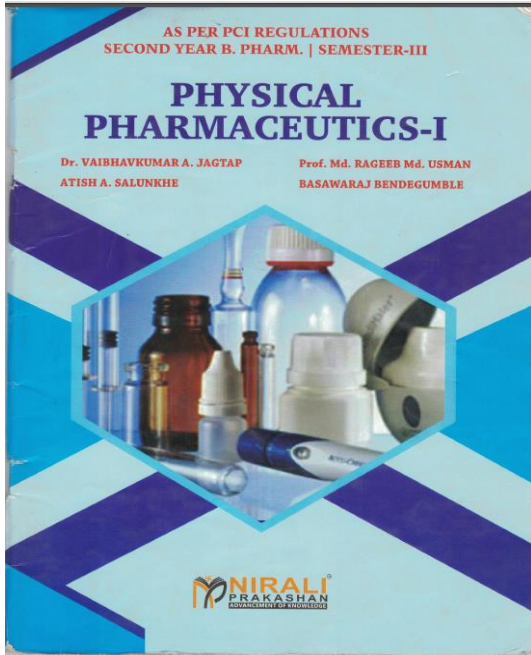


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Figure 18 Book Published by Dr. V.A. Jagtap, "Physical Pharmaceutics I"



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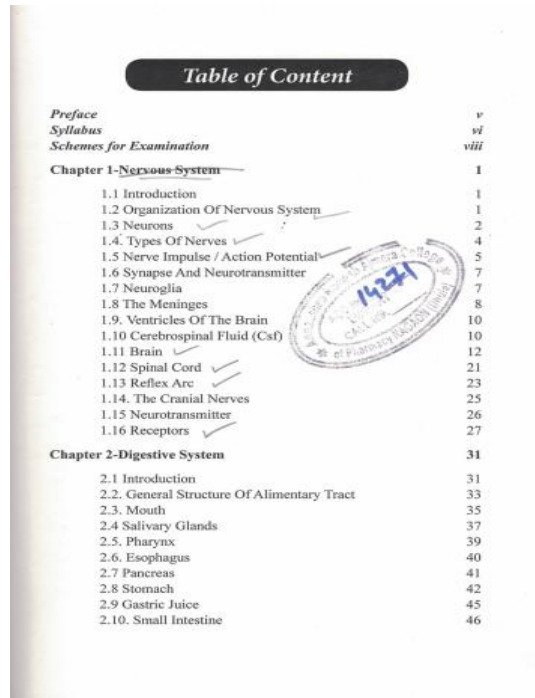
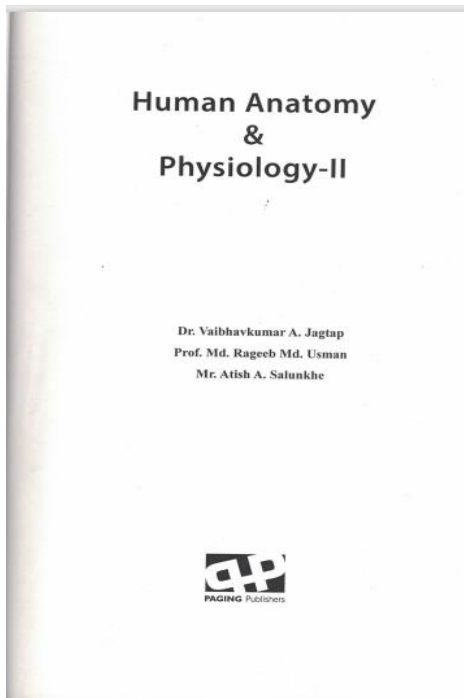
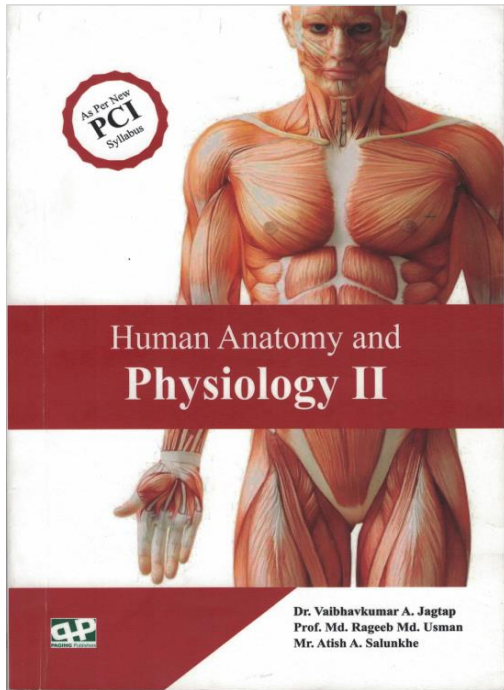
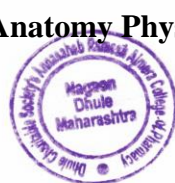


Figure 19 Book Published by Dr. V.A. Jagtap, "Human Anatomy Physiology- II"



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