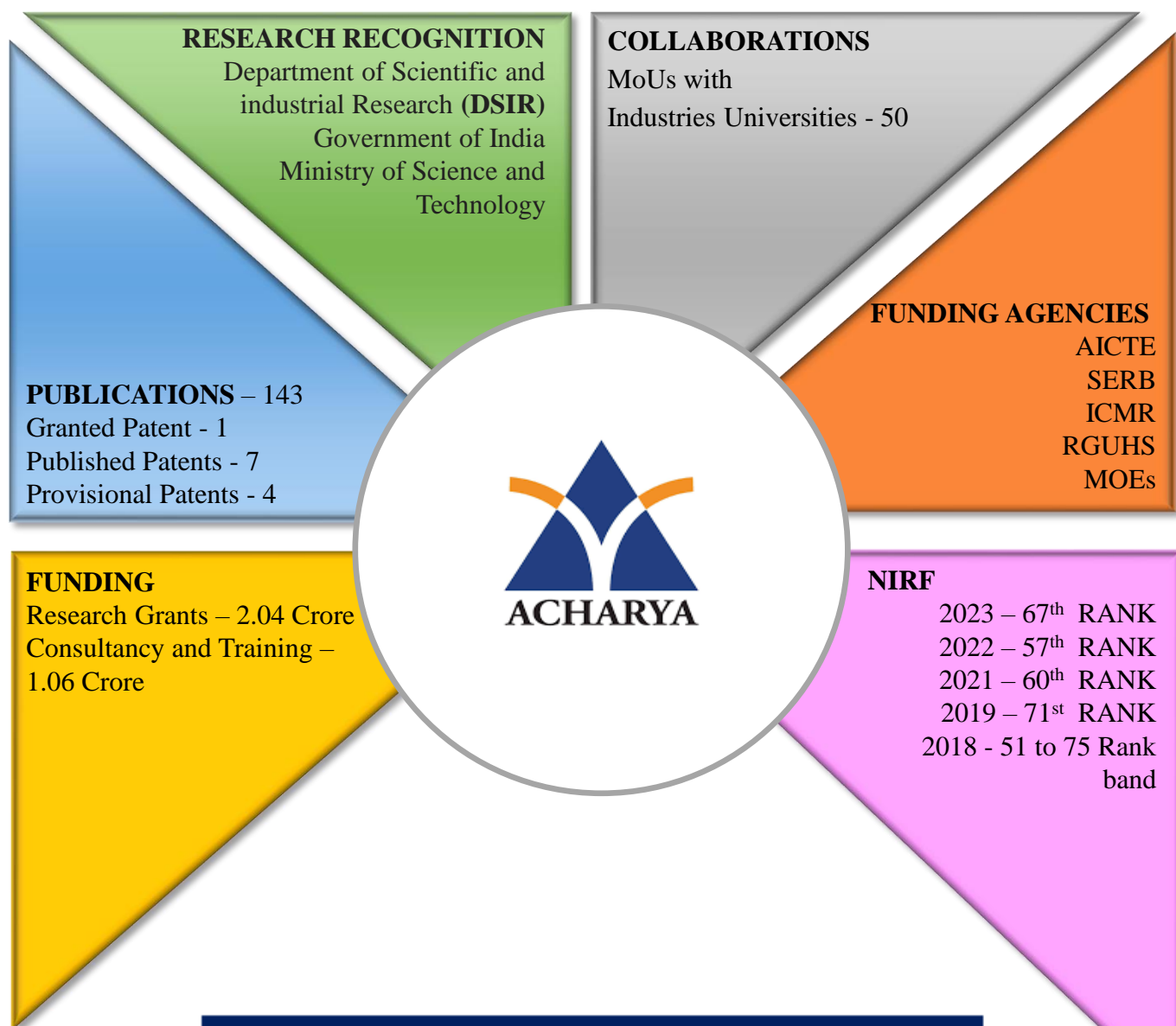


ACHARYA & BM REDDY COLLEGE OF PHARMACY

BENGALURU – 107



**Overview of Initiatives
Related to Promotion of
RESEARCH
as
INSTITUTIONAL DISTINCTIVENESS**



7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

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1. BRIEF NOTE ABOUT ABMRCP:

Acharya & BM Reddy College of Pharmacy (ABMRCP) was established in the year 1992. The institution is affiliated to Rajiv Gandhi University of Health Sciences (RGUHS), Bengaluru, Karnataka. ABMRCP offers a wide range of programs in Pharmacy - Bachelor of Pharmacy (B.Pharm), Doctor of Pharmacy (Pharm D), Doctor of Pharmacy - Post Baccalaureate (Pharm D (PB)), and Master of Pharmacy (M.Pharm) in 6 six specializations. ABMRCP is also recognized for Doctoral Studies leading to Ph.D., by RGUHS and offers Ph.D. in 5 specializations.



ABMRCP is approved by the Pharmacy Council of India (PCI), New Delhi, and All India Council for Technical Education (AICTE), India. ABMRCP is accredited by NAAC with A grade in the second cycle. Our B.Pharm program is accredited by NBA, and ranked 57 by NIRF (Pharmacy category) in 2022. ABMRCP is recognized as a Scientific and Industrial Research Organization (SIRO) by DSIR, Ministry of Science and Technology, Government of India

2. STUDENT PERFORMANCE AT NATIONAL LEVEL

(UG Grants, Seminar Presentation, Student Certificates-Online Courses Etc.)

UG Grants Received by Students from RGUHS

Sl. No.	Academic Year	PI Name	Project Title	Amount Sanctioned
1.	2019 – 2020	Malleshwari K	Development of Polyherbal Nanogel for the Treatment of Inflammation	15000
2.	2019 – 2020	Om Anand Sewsagar	Fabrication and characterization chocolate drug delivery system of anti-hypertensive drug using monk fruit for geriatric patients	15000
3.	2020 – 2021	Pabitra Samanta	Green synthesis of nanoparticles using essential oil and its evaluation	15000
4.	2020 – 2021	AJ Miriyam	Delicious organic herbal suckers (lollipops) to treat iron deficiency in children	6000
5.	2021 – 2022	Sagnik Banerjee	Formulation and evaluation of polyherbal formulation as an immunity booster	15000
6.	2022 – 2023	Bhoomika S	Comparative antioxidant study of the extracts obtained from the leaf, stem, bark and flower of calotropis gigantea	15000
7.	2022 – 2023	Kavitha Choudhary	Development and evaluation of eleusine coracana (ragi) fibers coated tablets	15000
8.	2022 – 2023	Rakeshgowda MT	Faeces to fuel: a sustainable approach using rodent dung	12500
9.	2022 – 2023	Snahasis Adhikari	Preparation and evaluation of antimicrobial poly herbal foot bombs	10000



3. FACILITY DEVELOPMENT

Centre for Excellence - Cellular and Molecular Biology

The objectives of the centre are to conduct high quality basic research and training in frontier areas of modern biology and promote centralized national facilities for new and modern techniques in the interdisciplinary areas of Molecular Biology.

Core Area and Activities

Cell-based assays provide a wealth of information and are valuable tools in drug discovery applications. Reducing high attrition rates due to toxicity in drug development continues to be a key challenge for the pharmaceutical industry.

In our Cell & Molecular Biology lab we perform and provide various services (mentioned below) to test and overcome drug toxicity.

1. Cell Viability Assays - Determine the ratio of live and dead cells.
2. Cell Proliferation Assays - monitor the growth rate of cell populations.
3. Cytotoxicity Assays - Assess the number of live and dead cells in a population following treatment with a drug candidate or pharmacological agent under investigation.
4. Electrophoretic mobility shift assays, and Cell Senescence Assays - to assess cell health, such as cell senescence assays that detect senescence markers associated with β -galactosidase activity which reflects cell membrane integrity.
5. DNA & RNA: DNA extraction, sequencing, and cloning, gene expression, rRNA sequencing, mutagenesis and phylogenetic analysis.
6. In-silico analysis of mutations and SNP's by PROVEAN, SIFT, and Polyphen

Infrastructure

Biosafety cabinet, CO₂ incubator, Micro plate Reader, BOD incubator, RTPCR, Inverted microscope, Gel Documentation system, Electrophoresis and Blotting, Cell Counter, Pierce Powder Blotter station, Micro Centrifuge, Cooling centrifuge, Deep freezer (-20°) and Deep freezer (-80°).



Biosafety Cabinet



Inverted Microscope



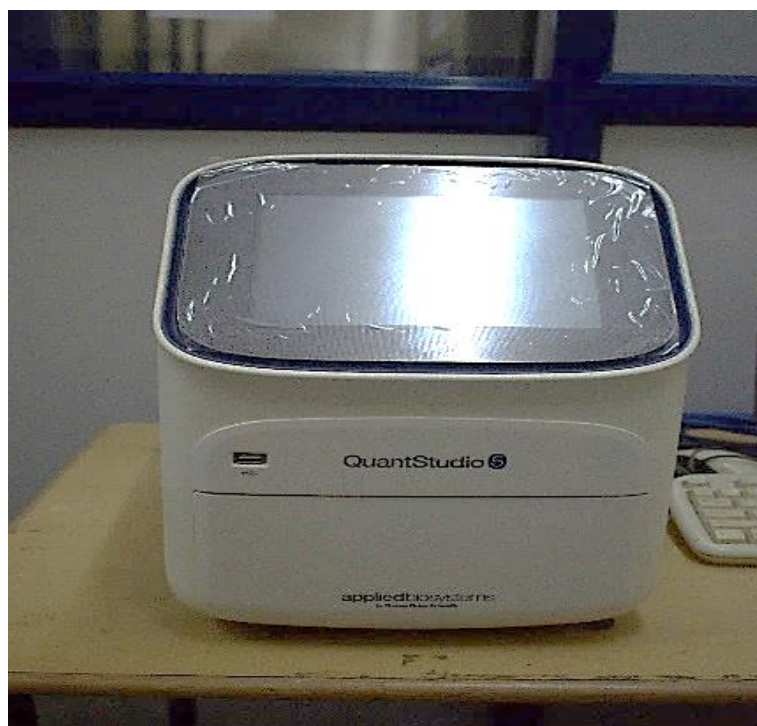
Gel Imager



Co2 Incubator



Semi Autoanalyzer



RT-PCR



Deep Freezer



Tissue Homogenizer

Research Activities

This Centre-Cellular and Molecular Biology handled by experiences researchers and has been successfully executing the research projects, consultancy projects, interdisciplinary projects, hands on training and workshops pertaining to cell line and cellular assay. The research organizations like **Sami-Sabinsa Group Limited, Bioagile Therapeutics, Sriveda Sattva Private Limited, University of Trans-Disciplinary Health Sciences and Technology, Sri Sri College of Ayurvedic Science and Research, Central Silk Technological Research Institute** are partner in technology transfer and research publication.

Centre for Excellence in Integrated Drug Discovery

The objective of the Centre is to lead global drug discovery by revolutionizing pharmaceutical research through innovation, advanced technology, and collaboration

Core area and activities

- Target based drug discovery

Infrastructure

The department is equipped with sophisticated instruments like, Microwave synthesizer, Hot air oven, Digital melting point, apparatus, Ice flake maker. Rota flash evaporator, Flash chromatography. In addition, the department has computational facility Accelrys Drug Discovery studio 3.5 software for designing drug candidates



FTIR



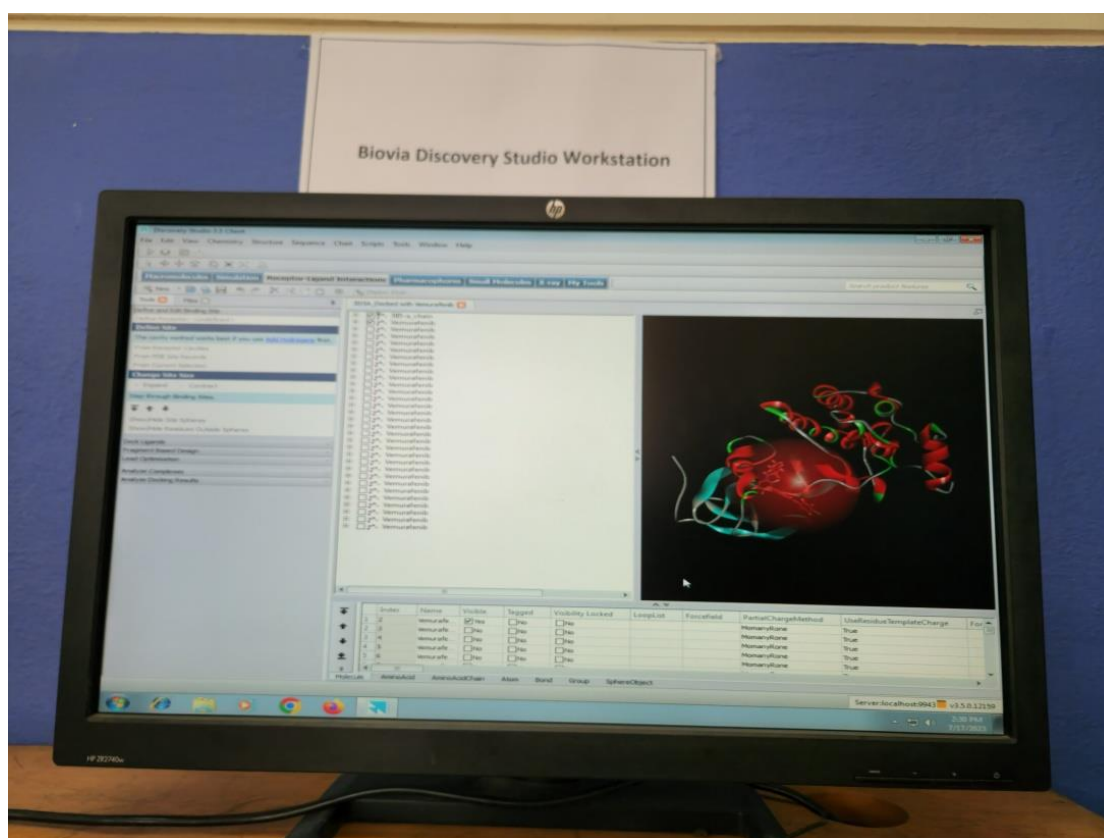
Flash Chromatography



Rota Flash Evaporator



Rota Flash Evaporator



Accelrys Drug Discovery Studio 3.5 Software

Services

Design, synthesis, and characterization of drug like compounds, impurity profiling, *In-silico* study, isolation, and purification of natural compounds.

Activities

The department is successfully getting financial support from various funding agencies like Department of Science and Technology Science and Engineering Research Board, Indian Council of Medical Research, Ministry of Earth Science, All India Council for Technical Education, Rajiv Gandhi University of Health Sciences.

Centre for Excellence in Drug analysis

The objectives of the Centre are to conduct high quality basic research and training in frontier areas of drug analysis and promote centralized national facilities for new and modern analytical techniques in the inter-disciplinary areas of Pharmaceutical Analysis.

Core area and activities

A) Method development and validation B) Chiral separation by HPLC C) Impurity Profiling

Infrastructure

UV-Visible spectrophotometer- 1700 – Shimadzu, Shimadzu Prominence-i LC-2030C 3D Plus HPLC system, HPLC, LC-20AT, Shimadzu, Stability Chamber – Thermolab, Mumbai, FTIR- Bruker, Tensor 27.



FTIR



UV-Visible spectrophotometer



Shimadzu - HPLC system



Stability Chamber Services

Analytical and Bio-analytical method development and validation, Degradation profiling of drug substances and drug products, Stability analysis of drug substance, intermediates and products, QbD based analytical and bioanalytical method development, HPLC analysis, Herbal and Phytochemical analysis, UV Spectrophotometric multicomponent analysis.

Activities

The centre, comprising several researchers and has been successfully executing the research projects, consultancy services, hands on training and workshops. The research organizations like Himalaya Drug Wellness Company and Trivandrum Medical College are partner in technology transfer and consultancy.

Centre for Excellence in Tablet Technology

The objectives of the centre are to conduct research and offer a training in the field of tablet technology. The areas of research covered are preformulation studies, formulation development, and scale up studies, quality control and technology transfer.

Core area and activities

- Formulation and Development

Infrastructure

Tablet Compression Machine (Conventional & Bilayer), Tablet Coater (Manual & Automated), Fluidized Bed Processor, Roller Compactor, Multi Mill, Rapid Mixing Granulator, Dissolution Apparatus, Disintegration Apparatus, Roche- Friabilator, Stability chamber.



Rapid Mixing Granulator



Tablets Coater



Tablets Auto Coater



a) Planetary Mixer b) Ball Mill c) Granulator d) Blender



Multi Mill



Roller Compactor



Tablets Compression Machine



Bilayer Tablets Compression Machine

Services Offered

The centre is able to offer hands on training service to under graduate (B.Pharm & Pharm D), post graduate (M.Pharm) and PhD scholars, and hands on training can be provided to pharma employees.

The services include

- Preformulation Studies
- Granulation Technology
- Controlled and sustained release tablet formulations
- Bilayer tablets
- Minitablets technology
- Quality control test
- Stability studies
- Coating Technology

Activities Conducted at the Centre

Hands on training was conducted to Strides, GSK and Mylan company employees. Facilities was utilized to conduct the workshop for DFE Pharma Pvt Ltd. Consultancy research services were offered to Thinking Fork Pvt Ltd, University of Horticulture Sciences, Karnataka.

Centre for Excellence in Formulation & Development

The mission of the centre is to do fundamental research in the realm of product development and evaluation. This centre focuses on the development of multiparticulates in drug delivery system with special focus on nano drug delivery systems for optimized targeted drug delivery and site specific drug delivery.

Core Area

- Multiparticulates in Drug Delivery System

Infrastructure

Capsule filling machine, Pelletizer (Extruder & Spheronizer), Fluidized bed processor, Homogenizer, Probe sonicator, Freeze drier, Zeta sizer, Bath sonicator, Leak test apparatus.



Fluidized Bed Processor



Capsules Filling Machine



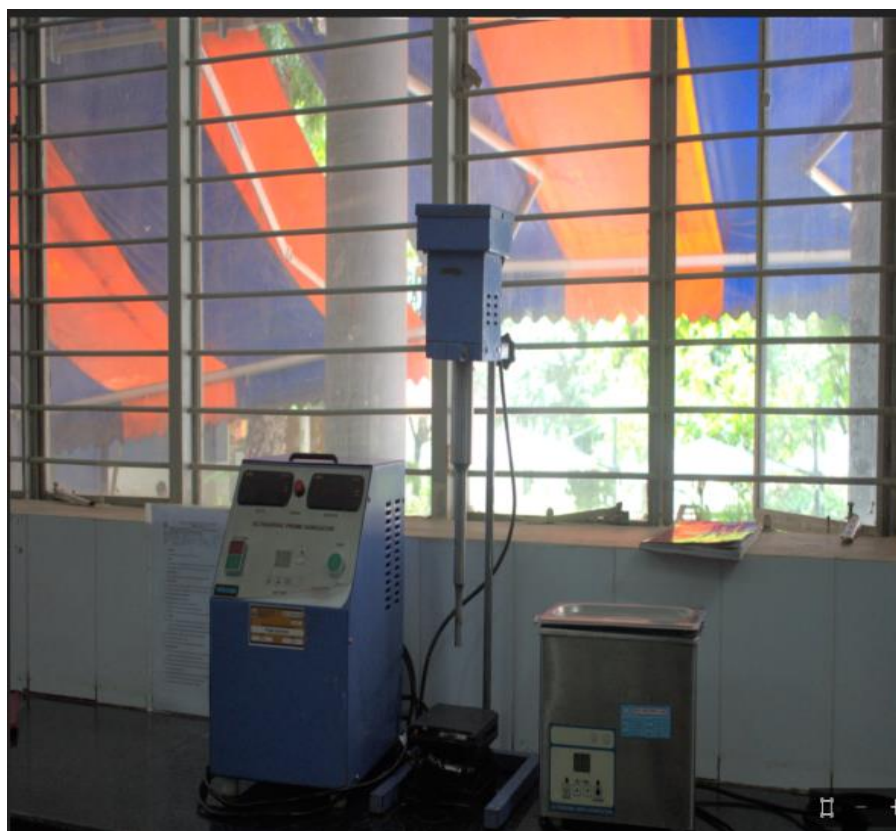
Extruder



Spheronizer



Malvern Zeta Sizer



Probe Sonicator & Bath Sonicator

Services Offered

The services provided are **A)** Preformulation studies **B)** Pellets formulation **C)** Nano particulates in drug delivery system such as nanoparticles, nano-suspensions, nano-emulsions, nano-sponges, nano-gels, nanocrystals, non-invasive drug delivery system such as nano- ethosomes, liposomes, transferosomes, niosomes and cubosomes, and **D)** Stability studies

Activities Conducted at the Centre

Facilities was utilized for UG (B.Pharm & Pharm D), PG (M.Pharm) and PhD scholar research. Zeta size, PDI and zeta potential of nano formulation characterized using zeta sizer, and the services was extended to the industries and the research institutions. Consultancy was provided to ZHDAT Pvt Ltd for their nanoprojects and for the development of pellets formulations, MS Ramaiah University of Applied Sciences.



4. RESEARCH GRANTS

Grants Received: 2.04 Crore

SL No	Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Lakh)	Duration of the project	Name of the Funding agency
1.	Discovery of Pyrimidines and intermediates as a Human epidermal growth factor receptor (HER-2) and Apurinic/Apyrimidinic Endonuclease-1 (APE-1) inhibitors for breast cancer therapy: An synthetic approach	Dr. Gurubasavara Swamy PM	Department of Pharmaceutical Chemistry	2017-18	11	36 months	SERB
2.	Development of Dendrimer-5Fluorouracil and folic acid conjugation for the treatment of colon cancer via target drug delivery	Dr. Anirbandeep Bose	Department of Pharmaceutics	2017-18	1.25	24 months	RGU HS
3.	Design of Bromodomain inhibition for its anticancer activity.	Dr. Giles D	Department of Pharmaceutics	2017-18	24	36 months	RGU HS
4.	Development of Thieno[2,3-d]pyrimidine derivatives as novel leads for their action against Mycobacterium tuberculosis	Dr. Rashmi P	Department of Pharmaceutics	2017-18	2	24 months	RGU HS
5.	Synthesis and characterization of new series of hetroaryl curcumin analogue for cytotoxicity screening.	Dr. Krishnakumar KL	Department of Pharmaceutics	2017-18	1.5	24 months	RGU HS
6.	Discovery of Pyrimidines and intermediates as a Human epidermal growth factor receptor (HER-2) and Apurinic/Apyrimidinic Endonuclease-1 (APE-1)	Dr. Gurubasavara Swamy PM	Department of Pharmaceutical Chemistry	2018-19	3	12 months	SERB

	inhibitors for breast cancer therapy: An synthetic approach						
7.	Design, synthesis and anticancer activity of novel pyrimidine targeting HER-2 inhibitor as a anticancer agent.	Dr. Gurubasavara ja Swamy PM	Department of Pharmaceutical Chemistry	2018-19	6	24 months	RGU HS
8.	Design, Synthesis, In-silico Computational Evaluation and in-vitro Evaluation of novel Pyrimidine phosphonates with cytotoxicity against breast cancer cells	Dr. Gurubasavara ja Swamy PM	Department of Pharmaceutical Chemistry	2018-19	3.74	24 months	ICMR
9.	Synthesis of molecular hybrids of Lanosol butanone derivative of marine algae and thieno[2,3-d] pyrimidine derivatives for their receptor kinases inhibitory activity as anti-cancer agents	Dr. Rashmi P	Department of Pharmaceutical Chemistry	2018-19	4.45	36 months	MoES
10.	Design, Synthesis and Evaluation of Some Novel Allosteric Inhibitors of Shp2 as a Current and Potential Drug Target for cancers; Based on Newly Designed Small Molecular Ligand Library	Dr. Rajaganapathi K P	Department of Pharmaceutical Chemistry	2018-19	17.27	36 months	SERB
11.	Development of reconstitutable dried nano-liposome of iron-folic acid for prophylaxis and treatment of iron deficiency anemia.	Dr. Sateesha SB	Department of Pharmaceutics	2018-19	2.5	24 months	RGU HS
12.	Development of dacomitinib loaded superparamagnetic nanoparticles as inhalable chemotherapy for lung cancer.	Dr. Joysaruby J	Department of Pharmaceutics	2019-20	2	24 months	RGU HS

13.	Development of Novel Mesoporous Silica conjugated Trastuzumab-PLGA nanoparticles with improved kinetics for (HER)2+ targeting, avoiding resistance in metastasis of breast cancer	Dr. Sajeew Kumar B	Department of Pharmaceutics	2019-20	2	2 years	RGU HS
14.	Effects of Mearnsitrin on doxorubicin-induced apoptosis in H9C2 cells	Dr. Suresh Janadri	Department of Pharmacology	2019-20	1.5	12 months	RGU HS
15.	Design, Synthesis, In-silico Computational Evaluation and in-vitro Evaluation of novel Pyrimidine phosphonates with cytotoxicity against breast cancer cells	Dr. Gurubasavara Ja Swamy PM	Department of Pharmaceutical Chemistry	2019-20	3.74	12 months	ICMR
16.	Design, Synthesis, In-silico Computational Evaluation and in-vitro Evaluation of novel Pyrimidine phosphonates with cytotoxicity against breast cancer cells	Dr. Gurubasavara Ja Swamy PM	Department of Pharmaceutical Chemistry	2019-20	6.11	12 months	ICMR
17.	Development of Curcumin Nano moisturizer for antiaging with Sun Protecting Factor	Dr. Venkatesh D P	Pharmaceutics	2019-20	0.925	24 months	RGU HS
18.	Evaluation of stereo selective dissolution of racemic ondesteron from chiral excipient by HPLC	Dr. Selvakumar K	Department of Pharmaceutical Chemistry	2019-20	1.125	24 months	RGU HS
19.	Formulation and Evaluation of Porous tablets for Mucosal vaccination in S typhi & E coli infections for travellers	Dr. Roopa Karki	Department of Pharmaceutics	2019-20	2	24 months	RGU HS
20.	Evaluation of anti-colic activity of wedelolactone in rats	Dr. Prakash T	Department of Pharmaceutics	2019-20	2.5	12 months	RGU HS

21.	Design and synthesis of Azaindole derivatives as COX-2 and Bromodomain inhibitors for its anticancer activity	Dr.Giles D	Department of Pharmaceutics	2019-20	2.6	24 months	RGU HS
22.	Formulation and optimization of mesopores loaded pellets of selective anticancer drugs by using design of Experiments	Dr. Shanthakumar GS	Department of Pharmaceutics	2019-20	1.175	24 months	RGU HS
23.	Molecular design, chemical synthesis and anticancer studies of tri-substituted heterocyclic compounds as HSP90 inhibitors	Dr. N.M. Raghavendra	Department of Pharmaceutical Chemistry	2020-21	3.5	2 years	RGU HS
24.	Discovery of trigonal heterocyclic molecules as oncogenic BRAF inhibitors for the treatment of small cell lung carcinoma	Dr. N.M. Raghavendra	Department of Pharmaceutical Chemistry	2020-21	15.27	36 months	AICTE
25.	Design and Synthesis of novel fourth generation EGFR inhibitors selectively targeting triple mutant L858R/T790M/CS797S mutations for non small cell lung cancer	Dr. N.M. Raghavendra	Department of Pharmaceutical Chemistry	2020-21	26	36	ICMR
26.	Fragment based lead discovery of 7-Azaindole framework in the design of PARP inhibitor for its anticancer activity	Dr. Giles D	Department of Pharmaceutics	2020-21	8.11	36 months	AICTE
27.	Crystal engineering of novel antiretroviral nevirapine cocrystal and its investigation of thermoanalytical, spectroscopic properties, mechanistic dissolution analysis, in-silico and in-vitro study.	Dr. Harini Chowdhary	Department of Pharmaceutics	2020-21	1.75	24 months	RGU HS
28.	Delicious organic herbal suckers (lollipops) to treat iron deficiency in children	Dr. Hemalatha Dr.K	Department of Pharmaceutics	2020-21	0.06	3 months	RGU HS

			utical Chemistry				
29.	Formulation and evaluation of polyherbal formulation as an immunity booster	Dr. Ambujakshi HR	Department of Pharmaceutical Chemistry	2020-21	0.15	3 months	RGU HS
30.	Design of lab formula, development of formulation, shelf life study	Dr. Sateesha SB	Department of Pharmaceutics	2020-21	0.2	3 months	University of horticulture sciences, Bagal kot
31.	Discovery of Pyrimidines and intermediates as a Human epidermal growth factor receptor (HER-2) and Apurinic/Apyrimidinic Endonuclease-1 (APE-1) inhibitors for breast cancer therapy: An synthetic approach	Dr. Gurubasavara ja Swamy PM	Department of Pharmaceutical Chemistry	2021-22	10	12 months	SERB
32.	Design and Synthesis of novel fourth generation EGFR inhibitors selectively targeting triple mutant L858R/T790M/CS797S mutations for non small cell lung cancer.	Dr. Gurubasavara ja Swamy PM	Department of Pharmaceutical Chemistry	2021-22	7.48	24 months	ICMR
33.	Development of Fisetin drug dendrimers conjugated formulation and its evaluation of invitro and invivo cytotoxicity studies on rodents against breast cancer cells by targeting HER-2/EGFR an dual targeting approach	Dr Uday Raj Sharma	Department of Pharmacology	2021-22	3	24 months	RGU HS



34.	Design of Bromodomain inhibition for its anticancer activity.	Dr. Giles D	Department of Pharmaceutics	2021-22	5	12 months	SERB
35.	Molecular design, chemical synthesis and anticancer studies of tri-substituted heterocyclic compounds as HSP90 inhibitors	Dr. N.M. Raghavendra	Department of Pharmaceutical Chemistry	2021-22	1.75	12 months	RGU HS
36.	Discovery of triangular heterocyclic molecules as inhibitors of dual oncogenic pathways triggered by HSP90 and BRAF kinase	Dr. N.M. Raghavendra	Department of Pharmaceutical Chemistry	2021-22	14.11	24 months	ICMR
37.	Formulation and evaluation of antimicrobial, anthelmintic activities of nanoemulsion of canon ball tree	Dr. Ashly Merin George	Department of Pharmaceutics	2021-22	0.15	3 months	RGU HS
38.	Physico-chemical profiling of jamun (Syzygium cumimii skeels) genotypes and development of jamun seed powder chewable tablets	Dr. Sateesha SB	Department of Pharmaceutics	2021-22	0.2	3 months	University of horticulture sciences, Bagal kot
39.	Formulation of chewable tablets of Karonda (Carrissa Carandus)	Dr. Sateesha SB	Department of Pharmaceutics	2021-22	0.09	3 months	University of horticulture sciences, Bagal kot
40.	Assessment of the use of Roseomonas mucosa in bacterial/perioral dermatitis -A preclinical and formulation study	Dr. Vaishnavi Prasannan	Department of Pharmacy Practice	2021-22	0.15	3 months	RGU HS


5. SEMINAR GRANTS & WORKSHOPS DONE

Sl. No.	Coordinators	Seminar Topic	Funded By	Conducted Date	Amount Sanctioned
1.	Dr Madhavi BLR	Intellectual property rights fundamentals for scientist the IP generators	SERB sponsored Workshop	22/04/2019 – 23/04/2019	75000
2.	Dr. Venkatesh D P & Dr. Hemalatha K	IPR Awareness in India	AICTE sponsored e-Conference	09/08/2021 – 10/08/2021	50000
3.	Dr. Sajeew Kumar B	Artificial Intelligence in Drug Design and Development. Current and future perspectives	AICTE sponsored FDP	22/11/2021	93000
4.	Dr. Suresh Janadri	Limitations of Animal Experimentation & Alternate Animal Models in Research	SERB	06/12/2018 – 07/12/2018	120000
5.	Dr Rajesh R	Challenges and Methods for Characterizing Nanomedicine by SEM and TEM	ICMR	13/10/2017 – 14/10/2017	40000
6.	Dr Geetha Jaya Prakashan	Application of Knowledge and Critical Thinking to Solve Patient Centric Problems	RGUHS	14/05/2022	20000
7.	Dr Geetha Jaya Prakashan	Implementation of Antimicrobial Stewardship Program in Health Care and Its Importance	RGUHS	16/06/2021	20000
8.	Dr Ganesh Sakharan	Advanced and Innovative Techniques	ICMR	2018	40000



		in Computational Drug Discovery			
9.	Dr Guru Basavaraja Sawmy	Advanced and the Impacts of the analytical and bioanalytical techniques	ICMR	2017	40000
10.	Dr Guru Basavaraja Sawmy	Advanced and the Impacts of the analytical and bioanalytical techniques	SERB	2017	100000
11.	Dr Amit Kumar Das	Computational Drug Design	AICTE	2008	700000



6. CONSULTANCY & TRAINING REPORTS:

Consultancy & Training: 1.06 Crore

Sl. No	Name of the research project/ endowment	Name of the Principal Investigator /Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding agency
1.	Anti-obesity activity of bioactive compounds	Dr. Suresh Janadri	Department of Pharmacology	2017-18	1.04	6 months	Sami labs Private Limited
2.	Anti-fatigue/neuromuscular activity of Sida rhombifolia extract in mice	Dr. Suresh Janadri	Department of Pharmacology	2017-18	0.45	1 month	Sami labs Private Limited
3.	Analgesic, Anti-inflammatory, Immunomodulation Activity of Bioactive Compounds in Experimental Animals	Dr. Manjunatha P Mudagal	Department of Pharmacology	2017-18	1.15	3 months	Sriveda Sattva Pvt Limited
4.	Aphrodisiac activity of bioactive compounds	Dr. Suresh Janadri	Department of Pharmacology	2018-19	0.697	3 months	Sami labs Private Limited
5.	Aphrodisiac activity of bioactive compounds	Dr. Suresh Janadri	Department of Pharmacology	2018-19	0.711	3 months	Sami labs Private Limited
6.	Analgesic and cognitive studies of bioactive compounds	Dr. Suresh Janadri	Department of Pharmacology	2018-19	0.45	3 months	Agile Pharma services
7.	Analgesic and cognitive studies of	Dr. Suresh Janadri	Department of Pharmacology	2018-19	0.36	3 months	Agile Pharma services



	bioactive compounds						
8.	Studies on the estrogenic activity of Ayurvedic polyherbal formulation in female rats induced with Polycystic Ovary Syndrome	Dr. Suresh Janadri	Department of Pharmacology	2018-19	1	3 months	TDU
9.	Combination of cuprizone and rapamycin mediated demyelination	Dr. Suresh Janadri	Department of Pharmacology	2018-19	1.8 21	3 months	Sami labs Private Limited
10.	Anti-hypertensive activity of bioactive compounds	Dr. Manjunatha P Mudagal	Department of Pharmacology	2018-19	0.7	2 months	Sami labs Private Limited
11.	Aphrodisiac activity of bioactive compounds	Dr. Manjunatha P Mudagal	Department of Pharmacology	2018-19	0.3 37	2 months	Sami labs Private Limited
12.	Gastric atrophy and Colitis	Dr. Manjunatha P Mudagal	Department of Pharmacology	2018-19	1.8 4	4 months	Sami labs Private Limited
13.	Effect of bioactive compounds on diabetic nephropathy	Dr. Suresh Janadri	Department of Pharmacology	2019-20	1.8	6 months	Sami labs Private Limited
14.	Conjugated Hyaluronic acid+curcumin drug for cancer	Dr. Manjunatha P Mudagal	Department of Pharmacology	2019-20	2.0 5	12 months	RGUHS
15.	Anti-nociception testing	Dr. Manjunatha P Mudagal	Department of Pharmacology	2019-20	0.2 12	2 months	Sami labs Private Limited
16.	Wound healing activity silk fibronectin protein	Dr. Suresh Janadri	Department of Pharmacology	2020-21	0.5	2 months	Seri-Biotech Research Laboratory



17.	Evaluation of bioactive compounds on pulmonary fibrosis	Dr. Suresh Janadri	Department of Pharmacology	2020-21	1.5	6 months	Sami labs Private Limited
18.	Evaluation of bioactive compounds on hormones study in rats	Dr. Suresh Janadri	Department of Pharmacology	2020-21	1.82	6 months	Sami labs Private Limited
19.	Anti-nociception testing	Dr. Manjunatha P Mudagal	Department of Pharmacology	2020-21	0.212	2 months	Sami labs Private Limited
20.	Immuno-modulatory activity of trial drugs	Dr. Manjunatha P Mudagal	Department of Pharmacology	2020-21	0.6	3 months	Sriveda Sattva Pvt Limited
21.	Acute and sub-acute toxicity studies of bioactive compounds	Dr. Manjunatha P Mudagal	Department of Pharmacology	2020-21	0.786	6 months	Pharexcel Consulting
22.	Evaluation of Muscle relaxant activity and Anti-spasmodic activity	Dr. Suresh Janadri	Department of Pharmacology	2021-22	0.416	3 months	Sami labs Private Limited
23.	Skin irritation test for bioactive compounds in rats	Dr. Suresh Janadri	Department of Pharmacology	2021-22	0.15	1 month	TDU
24.	Evaluation of bioactive compounds on hormones study in rats	Dr. Suresh Janadri	Department of Pharmacology	2021-22	1.77	6 months	Sami labs Private Limited
25.	"Acute and sub-acute toxicity of Immuvin plus and Immuvin max"	Dr. Manjunatha P Mudagal	Department of Pharmacology	2021-22	0.786	6 months	Bal Research Pharma
26.	Skin irritation test for bioactive compounds in rats	Dr. Manjunatha P Mudagal	Department of Pharmacology	2021-22	0.05	1 month	TDU



27.	Acute toxicity study on Kabasura Kudinee	Dr.Manjunatha P Mudagal	Department of Pharmacology	2021-22	0.24	1 month	Sriveda Sattva Pvt Limited
28.	Acute toxicity study on NF2	Dr.Manjunatha P Mudagal	Department of Pharmacology	2021-22	0.24	1 month	Sriveda Sattva Pvt Limited
29.	Gut permeability, chronic model in experimental animals	Dr.Manjunatha P Mudagal	Department of Pharmacology	2021-22	1.98	4 months	Sami labs Private Limited
30.	Acute toxicity of two bioactive compounds	Dr.Manjunatha P Mudagal	Department of Pharmacology	2021-22	0.66	2 months	Sriveda Sattva Pvt Limited
31.	Evaluation of bioactive compounds for sleep disorders	Dr. Suresh Janadri	Department of Pharmacology	2021-22	1.81	4 months	Sami labs Private Limited
32.	Pilot trials-1	Dr. Sateesha SB	Department of Pharmaceutics	2021-22	0.25	3 months	Thinking forks
33.	Pilot trials-2	Dr. Sateesha SB	Department of Pharmaceutics	2021-22	0.25	3 months	Thinking Fork
34.	Pilot trial -3	Dr. Sateesha SB	Department of Pharmaceutics	2021-22	0.25	3 months	Thinking Fork


7. MoUs WITH ACADEMIC/ INDUSTRY

S l. No.	Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details	Year of signing MoU / collaboration / linkage	Duration of MoU / collaboration / linkage	List the actual activities under each MOU and web -links year-wise	Date of initiation	Date of Completion
1.	Training	DDFE Pharma, Bangalore	2016-17	5 years	Training	30/08/2019	30/08/2019
2.	Training	Karnataka State Pharmacy Council, Bangalore	2016-17	5 years	Smart approaches to teaching, learning and evaluation	16/5/2017	16/5/2017
3.	Training and Placement	Wadhvani Operating Foundation. Mumbai	2016-17	3 years	Skill enhancing and placement programme	28/03/2017	28/03/2022
4.	Placement	Agile pharma services, Bangalore	2016-17	3 years	Placement	20/03/2018	20/03/2018
5.	Placement	Agile pharma services, Bangalore	2016-17	3 years	Placement	4/2/2019	4/2/2019
6.	Training	Strides Shasun Ltd Bangalore	2016-17	5 years	Student internship training and placement	30/11/2018	10/1/2019
7.	Training	Strides Shasun Ltd Bangalore				24/06/2019	30/07/2019
8.	Placement	Strides Shasun Ltd Bangalore				26/12/2018	28/12/2018
9.	Training	Strides Shasun Ltd Bangalore				15/10/2019	22/11/2019



10.	Training	Strides Shasun Ltd Bangalore				19/08/ 2019	24/09/20 19
11.	Training	Strides Shasun Ltd Bangalore				20/01/ 2020	2/27/202 0
12.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore	2016-17	10 years	Development of pharmacological activities	10/07/ 2019	30/07/20 19
13.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore			Analgesic, Anti- inflammatory, Immunomodulat ion Activity of Bioactive Compounds in Experimental Animals	18/12/ 2017	8/3/2018
14.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore			Immuno- modulatory activity of trial drugs	25/05/ 2020	14/07/20 20
15.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore			Acute toxicity study on Kabasura Kudinee	19/03/ 2021	10/4/202 1
16.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore			Acute toxicity study on NF2	24/04/ 2021	20/05/20 21
17.	Research and consalta ncy	Sri Sri College of Ayurvedic Science and Research, Bangalore			Acute toxicity of two bioactive compounds	1/8/20 22	2/8/2022
18.	Research	Aurea Biolabs Private Limited, Kolenchery, Cochin, Kerala, India	2017-18	3 years	Formulation of natural ingredients	NIL	NIL
19.	Research	Seri Biotech Research laboratory. Bangalore	2017-18	5 years	Wound healing activity silk	07/10/ 2019	22/12/20 19



					fibrion-cccropin protein		
20.	Research & Training	Laporte Chemicals and Pharmaceuticals	2017-18	5 years	Sharing Rand D facilities for mutual benefit	18/12/2017	
21.	Research	Lake chemical pvt ltd	2017-18	10 years	Impurity profiling	11/12/2017	NIL
22.	Training	Glaxo Smith Kline Pvt Ltd	2017-18	5 years	Placement and industrail training	26/02/2018	10/4/2018
23.		Glaxo Smith Kline Pvt Ltd				20/11/2018	10/11/2019
24.	Research & Training	IDRS Pvt Ltd Bangalore	2017-18	5 years	Validating allopathic products assay and placement	13/2/2017	NIL
25.	Research	Sri Devaraj URS Academy of higher education and research	2017-18	5 years	Flourine analysis of water in and around rural villages of kolar district	12/7/2017	
26.	Research	Crop G1 agro research and development	2017-18	5 years	R & D facilities and Department advisory board	12/7/2017	NIL
27.	Training	Plant Pharma pvt ltd	2017-18	5 years	Skill enhancing and placement programme	12/7/2017	NIL
28.	Training	Higher Education Skill Development and Research Center, Mysore	2017-18	3 years	Faculty training programme - Soft skill and modern teaching toolss	4/7/2017	4/7/2020
29.	Training	AROKARE INDIA PRIVATE LIMITED BANGALORE	2017-18	5 years	Skill enhancing and placement programme	18/7/2017	NIL

30.	Research	Natural Remedies Bangalore	2017-18	5 years	Isolation Resolvtal from weed plant	5/6/20 17	NIL
31.	Research	KLE College of Pharmacy, Bengaluru	2017-18	5 years	Ultrasound- induced microencapsulati on of simvastatin for gastric retention and controlled delivery Indian Journal of Pharmaceutical Sciences		
32.	Research	Department of Pharmaceutical Chemistry, of Gokaraju Rangaraju College of Pharmacy, Hyderabad	2018-19	2 years	Discovery of N- pyridoyl-Δ2 -pyrazolines as Hsp90 inhibitors	8/1/20 19	17/11/20 19
33.	Training	Pharmatech Engineering Company Pvt Ltd	2018-19	5 years	Collaborative research and development	09/05/ 2019	NIL
34.	Training	Pharmatech engineering Company Manufacturing Pvt Ltd mumbai	2018-19	5 years	Industrail training	09/05/ 2019	NIL
35.	Research & Training	University of Horticulture Science Bagalkot	2018-19	5 years	Development of chewable tablets from jamun seed powder, development of oral tablet of karonda fruit pulp		
36.	Research & Training	Confederation of Indian Industry, Bangalore Allergy center, Bangalore	2018-19	4 years	Reasearch on allergic reaction - an formulation study	NIL	NIL

37.	Research & Training	Foundation for revitalization of local health traditions (FRLHT) Bangalore	2018-19	3 years	Pharmacological screening and toxicity studies	16/4/2018	
38.	Research & Training	Foundation for revitalization of local health traditions (FRLHT) Bangalore			Studies on the estrogenic activity of Ayurvedic polyherbal formulation in female rats induced with Polycystic Ovary Syndrome	3/11/2018	20/01/2019
39.	Research & Training	Foundation for revitalization of local health traditions (FRLHT) Bangalore			Acute toxicity and anti-obesity in rats for bioactive compounds	1/3/2020	1/10/2020
40.	Research & Training	Foundation for revitalization of local health traditions (FRLHT) Bangalore			Skin irritation test for bioactive compounds in rats	25/02/2021	15/03/2021
41.	Consultancy & Training	EDCIL India Ltd	2018-19	1 year	Skill enhancing and placement programme	10/01/2019	
42.	Training and Placement	People tree hospital, umkur Rd, Next to Yeshwanthpur Metro Stop, Goraguntepalya, Yeswanthpur, Bengaluru,	2018-19	10 years	Placement and hospital training	NIL	nil
43.	Research & Training	Biomylz Pvt Ltd, 2ndPhase, Peenya Industrial Area, Bengaluru, Karnataka 560058	2018-19	5 years	Collaborative research and development and placement	NIL	nil



44.	Training	Target innovation, ZUARINAGAR, D 1/3, INDUSTRIAL AREA, Zuarinagar, Sancoale, Goa 403726	2018-19	5 years	Industrial Training	NIL	NIL
45.	Research & Training	Government Ayurvedic Medical College, Bangalore	2018-19	5 years	Studies in Dravyaguna	3/6/20 18	3/6/2018
46.	Training	Relicare	2018-19	5 years	training and placement	20/02/ 2020	20/2/202 0
47.	Training	SHAKTI PHARAMATECH PVT., LTD., AHMADABAD	2019-20	5 years	training and placement	09/07/ 2019	7/9/2019
48.	Training and Placeme nt	TMI Health Care Pvt Ltd	2019-20	5 years	Medical and allied services	NIL	NIL
49.	Research	Department of Pharmaceutical Chemistry, of JSS Academy of Higher Education and Research, Mysuru	2020-21	2 years	Synthesis, Antidiabetic, Antimicrobial, and Molecular Docking Studies of Some New Rhodanine Acetic Acid Derivatives	Apr-20	Jun-20
50.	Research	Department of Pharmaceutical Chemistry, Nitte College of Pharmaceutical Sciences, Bengaluru	2020-21	2 years	Design, synthesis and chemical stability of indolizine derivatives for antidiabetic activity	NIL	NIL



51.	Research	Department of Pharmaceutical and Drug Industries Research Division, National Research Center, Dokki	2020-21	3 years	Research activity	NIL	NIL
52.	Research & Training	Thiagrow labs Pvt Ltd, Bangalore	2020-21	5 years	Consultancy, Formulation Development	10/04/2021	10/04/2021
53.	Training	B R Ambedkar Medical College and Hospital	2020-21	10 years	Student internship training	29/03/2021	29/03/2031
54.	Research	KLE Societys Institute of Dental Science	2020-21	3 years	Research collaboration, development of novel dental products	24/03/2021	
55.	Training	Karnataka State Council for science and Technology	2020-21	5 years	Research and Pharmacovigilance studies	NIL	NIL
56.	Research & Training	Rubizon Pvt Ltd	2020-21	5 years	Consultancy, Formulation Development, Dry granulation, seiving	10/02/2021	NIL
57.	Research & Training	CHIRAG ENGINEERING AND TECHNOLOGY, BENGALURU	2020-21	5 years	skil training	01/10/2020	NIL
58.	Research & Training	BRIT Nutritions	2020-21	5 years	Development of Nutraceuticals	3/8/2015	NIL
59.	Research	Bengaluru Allergy Center	2020-21	5 years	Formulation and evaluation of mouth dissolving sublingual immuno therapy to treat	1/1/2018	1/6/2023



					cockroach allergy		
60.	Research & Training	Masang Laboratories PVT LTD, Bengaluru	2021-22	3 years	Consultancy and Formulation services	14/09/2021	NIL
61.	Training	ESIC Model Hospital Rajajinagar Bangalore	2021-22	5 years	Student internship training and placement	15/09/2021	
62.	Research & Training	Thinking forks consulting pvt ltd	2021-22	5 years	Formulation development	9/7/2021	
63.	Research	Department of Pharma Chemistry, Kailash Narayan Patel College of Pharmacy, Bhopal	2021-22	5 years	Design and synthesis of heterocyclic compounds	NIL	NIL
64.	Research	Sri satya Sai Institute of Pharmaceutical Sciences, Bhopal Madhya Pradesh	2021-22	5 years	Preformulation studies	NIL	NIL
65.	Training	USP EDUCATION COURSE AGREEMENT	2021-22	2 years	Skill enhancing programme	7/4/2022	7/4/2024



8. PUBLICATIONS

2017	
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5.	Ganesh S Andhale, Sapana M Nagare, Venkatesh DP, Krishnakumar KL. Evaluation of novel heterocyclic compounds containing pyrimidine and thiazolidinone rings. 2017; 4(2): 155-61.
6.	Venkatesh DP. Development and characterization of candesartan nanocrystals. <i>Indian Drugs.</i> Accepted.
7.	Pourgharashi A, Varghese ST, Sankar BK, Saha R. Assessment of topical corticosteroids used in dermatological conditions of pediatric population, <i>J Biomed & Pharm Res.</i> 2017; 6(4):17-40.
8.	Adhikari R, Nemati F, Mariyam A, Uday G. Prescribing pattern of antibiotics in Intensive care unit of a tertiary care teaching hospital. <i>J Biomed & Pharma Res.</i> 2017; 6(4): 36-43.
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10.	Shaji FE, Pakdaman N, Shaji S, Sankar BK, Shivakumar BR. Incidence of Depression in type 2 diabetes mellitus patients with or without complications. <i>J Biomed & Pharma Res.</i> 2017;6(4):60-74.
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13.	Venkatesh DP, Roopa K, Ganesh SA, Divakar G. Validation of Fluvastatin Sodium by HPLC Method. <i>J of Innovation in Pharm Sci.</i> 2017; 1(1): 16-25.

14.	Roopa G., Jayanthi C., Karki R., Joshi H., Divakar G. Curcumin loaded caseinmicrocarrier systems to modify water dispersibility and delivery characteristics. <i>World J Pharm Pharmaceutical Sci</i> .2017;6:9486.
15.	Roopa G., Jayanthi C., Karki R., Joshi H., Divakar G. and Rajalakshmi V.G. Fabrication of curcumin loaded guar gum microparticles for controlled release by emulsion gelation technique. <i>Indian Drugs</i> . 2017; 54(3): 62-64.
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20.	Roopa G., Jayanthi C., Roopa Karki,, Pankaj B., Hanumanthachar Joshi and Goli Divakar, Fabrication of Casein-Chitosan Microparticles of Curcumin for Controlled Delivery – Physico-Chemical haracterization. <i>Micro and Nano Crystals</i> .2017; 6(8):864-76.
21.	Sarith Surapaneni, Prakash T, Asif Ansari, Divakkar Goli. Neuroprotective effect of Clerodendron glandulosum against acute transient ischemia reperfusion cerebral injury in rats. <i>Journal of Neurology and Neurorehabilitation Research</i> . 2017; 2(1):14-20.
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23.	Sarvesh. C.N, Jennifer Fernandes, Suresh Janadri, Yogesh H.S, Shivakumar Swamy “Antihyperlipidemic activity of Achyranthes aspera Linn leaves on cholesterol induced hyperlipidemia in rats” <i>Research Journal of Pharmacy and Technology</i> 2017 Vol 10(1)
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26.	M. Ramesh, Vanitha N. Rani, P. Thennarasu and G. Kannan Incidence Of Diuretics Induced Adverse Drug Reactions In An Intensive Cardiac Care Unit Of A Tertiary Care Teaching Hospital” <i>IJPSR</i> , 2017; Vol. 8(8): 3557-3562
27.	Shivapura Viveka, Dinesha Gundibasappa Karikannar Nagaraja, Prasanna Shama, Guru Basavarajaswamy, K. Poornachandra Rao, Marikunte Yanjarappa Sreenivasa “One pot synthesis of thiazolo[2,3- <i>b</i>]dihydropyrimidinone possessing pyrazole moiety and evaluation of their anti-inflammatory and antimicrobial activities
28.	Bimlesh Kumar1 , Adil Hussain Malik1 , Parth Sharma1 , Harish Rathee1 , T. Prakash2 , Amit Bhatia3 , Monica Gulati1 , Narendra Kumar Pandey1 , Saurabh Singh Baghell ,

	Sachin Kumar Singh ¹ * “Validated reversed-phase high-performance liquid chromatography method for simultaneous estimation of curcumin and duloxetine hydrochloride in tablet and self-nanoemulsifying drug delivery systems” Journal of Pharmacy Research Vol 11 Issue 9 2017
29.	S. Maya Amyotrophic lateral sclerosis - a progressive neurodegenerative disease: insights for disease management <i>ejpmr</i> , 2017,4(10), 161-173
30.	Mukund H ^{1,3} and Manjunath PM ² “Comparative Enzyme Activity of Vespa Orientalis Venom and its Photooxidized Venom Products” Journal of Biochemistry and Biophysics, Volume 1 Issue 1, 2017
31.	Majumder P “Nanoparticle-Assisted Herbal Synergism an Effective Therapeutic Approach for the Targeted Treatment of Breast Cancer: A Novel Prospective” Volume 2 Issue 2 - August 2017 Glob J Nanomed 2(4)
	2018
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43.	Maya S. Prakash T, Divakar Goli. Evaluation of neuroprotective effects of Wedelolactone and Gallic acid on aluminium-induced neurodegeneration: Relevance to sporadic Amyotrophic lateral sclerosis. Eur J Pharmacol. 2018; 15835:41-51.
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47.	Joby Jacob, Augustine Amalraja, Chandradhara Divya, Suresh Janadri, Manjunatha PM, Sreeraj Gopia. Oral toxicity study of sports nutritional powder in Wistar rats: A 90 day repeated dose study. Toxicology Reports (2018);5: 497-503.
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52.	S. Maya, T. Prakash, Krishnadas Madhu. Assessment of neuroprotective effects of Gallic acid against glutamate-induced neurotoxicity in primary rat cortex neuronal culture. Neurochemistry International. 121 (2018) 50-58 (Impact factor: 3.609).
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9. TEXTBOOKS/ CHAPTERS

Sl. No.	Name of the teacher	Title of the book/chapters published	National /international	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Dr. Manjunath PM,	Text book of Pharmacology II	National	2019	ISBN - N3998	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
2	Dr. Uday Raj Sharma	Text book of Pharmacology II	National	2019	ISBN - N3998	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
3	Dr. Manjunath PM,	Practical manual of Pharmacology II	National	2019	ISBN - N4002	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
4	Priyanka P.	Practical manual of Pharmacology II	National	2019	ISBN - N4002	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
5	Dr. Manjunath PM,	Practical manual of Pharmacology III	National	2019	ISBN - N4093	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
6	Dr. Haribabu T	Practical manual of Pharmacology III	National	2019	ISBN - N4093	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005



7	Mr. Pulak Majumder	Pharmaceutical Microbiology	National	2019	ISBN9 788176 603409	Everest Publishing House
8	Dr Venkatesh DP	INTRODUCTION TO BIOPHARMACEUTICS AND PHARMACOKINETICS	National	2020	ISBN 938994 459-7	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
9	Dr. B PrakashRao	INTRODUCTION TO BIOPHARMACEUTICS AND PHARMACOKINETICS	National	2020	ISBN 938994 459-7	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
10	Dr. Manjunath PM	Text book of Pharmacology III	National	2020	ISBN - N4083	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
11	Dr. Uday Raj Sharma	Text book of Pharmacology III	National	2020	ISBN - N4083	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
12	Dr. Sateesha SB	Physical Pharmaceutics- Principles of Formulation	National	2020	978-81-944400 -8-6	Emmess Medical Publishers, #33/2, ground floor 9th A cross, west of chord road, bengaluru-560086
13	Dr. Manjunath P M	Pharmacology (second year Diploma in Pharmacy)	National	2020	ISBN- 935451 7129	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
14	Dr. Uday Raj Sharma	Pharmacology (second year Diploma in Pharmacy)	National	2020	ISBN- 935451 7129	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005



15	Dr. Manjunath P M	Practical book of Pharmacology	National	2020	ISBN-9354517307	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
16	Dr Manjunatha PM, ,	TEXT BOOK OF PHARMACOLOGICAL	National	2021	ISBN - 978-81-951022-5-9	Emmess medical publishers, Bangalore
17	Mrs Nageena Taj	TEXT BOOK OF PHARMACOLOGICAL	National	2021	ISBN - 978-81-951022-5-9	Emmess medical publishers, Bangalore
18	Mrs Priyanka Pamba	TEXT BOOK OF PHARMACOLOGICAL	National	2021	ISBN - 978-81-951022-5-9	Emmess medical publishers, Bangalore
19	Dr.Uday Raj Sharma, .	Pharma marketing management	National	2021	ISBN - 978-93-5451-061-8	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
20	Dr. Divakar Goli	Pharma marketing management	National	2021	ISBN - 978-93-5451-061-8	Nirali Prakashan, 1312, Abhyudaya Pragathi, Shivagi Nagar, Off JM Road, Pune Maharashtra-411005
21	Dr. RAJESH R	Pharmaceutical Analysis-I	National	2021	978-93-84875-65-7	Unnati Publications, 9, Sona Enclave, Modinagar (UP)-201204

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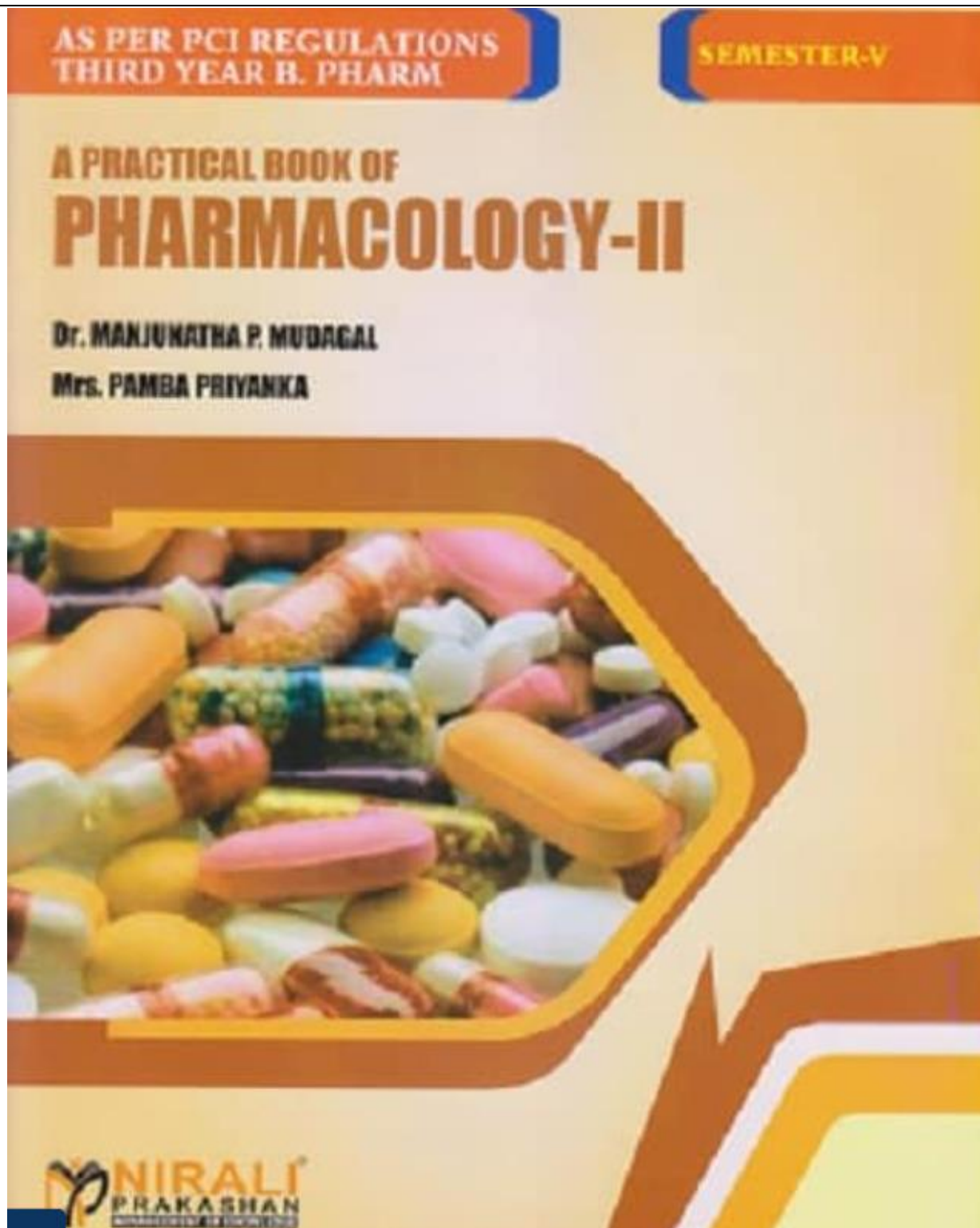
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Dr. UDAY RAJ SHARMA



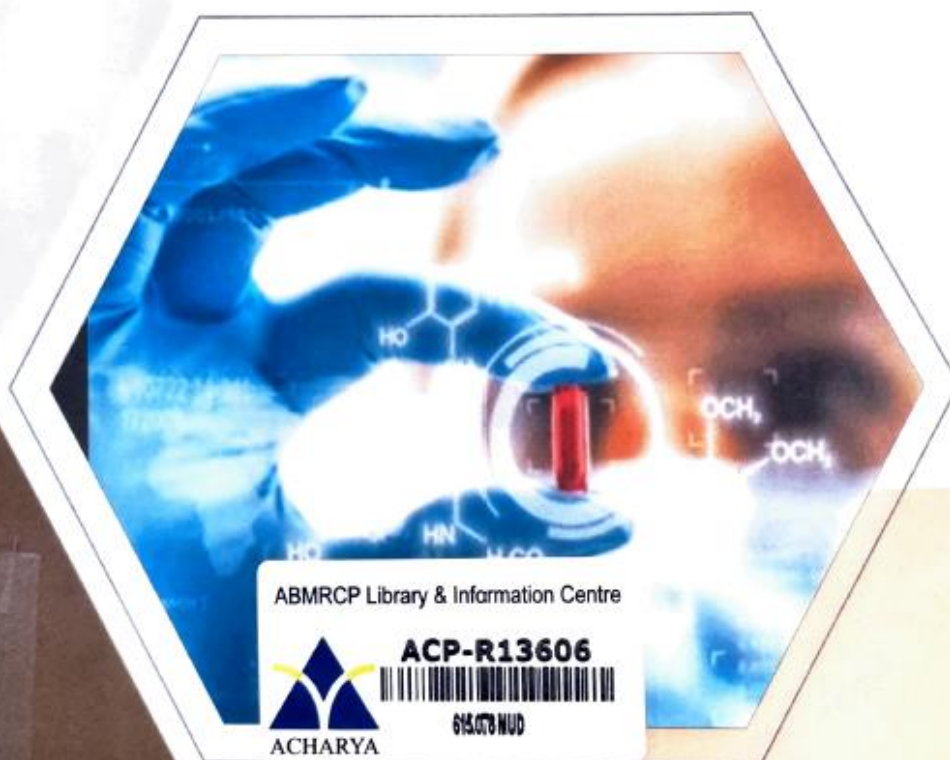
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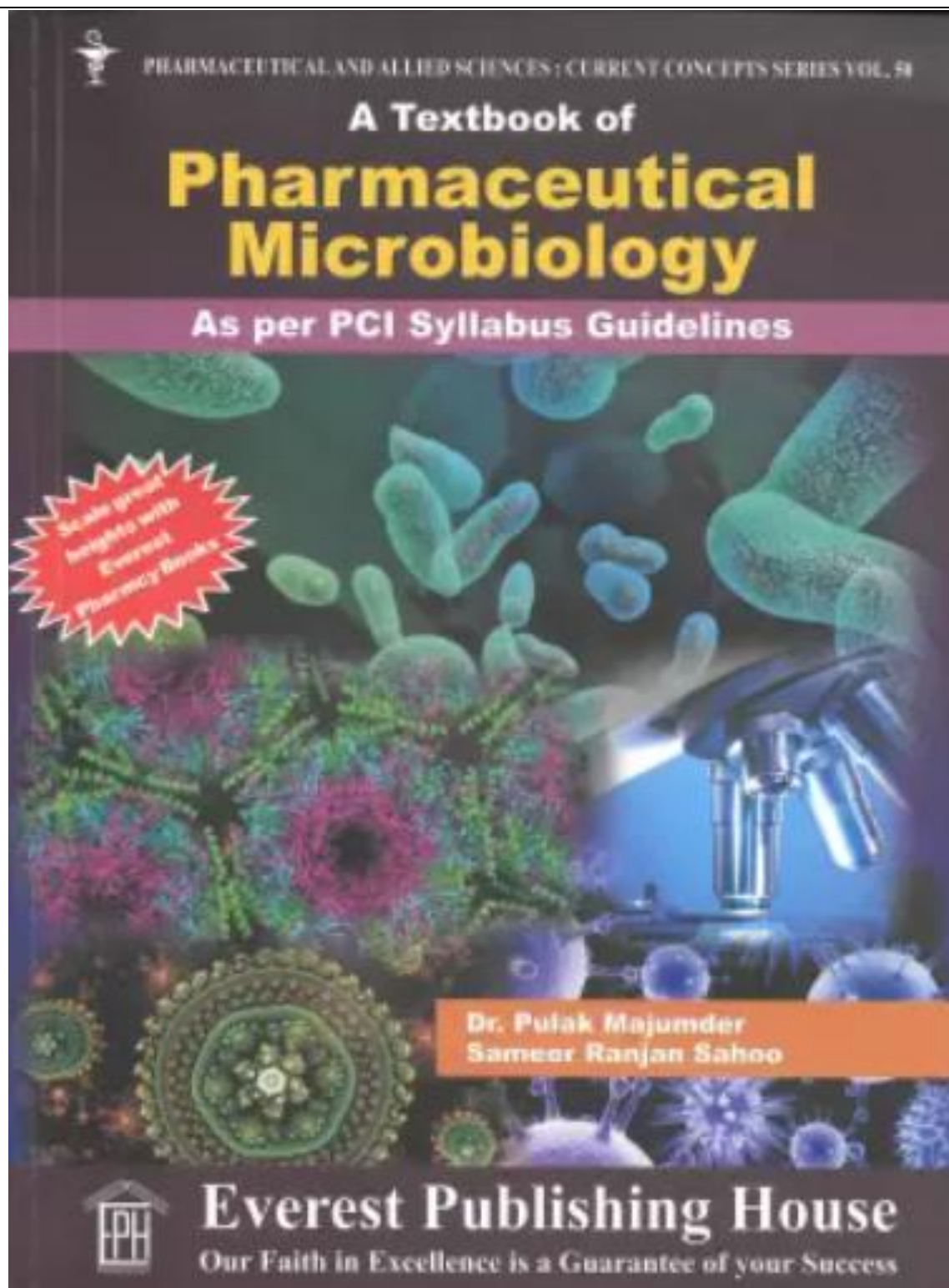
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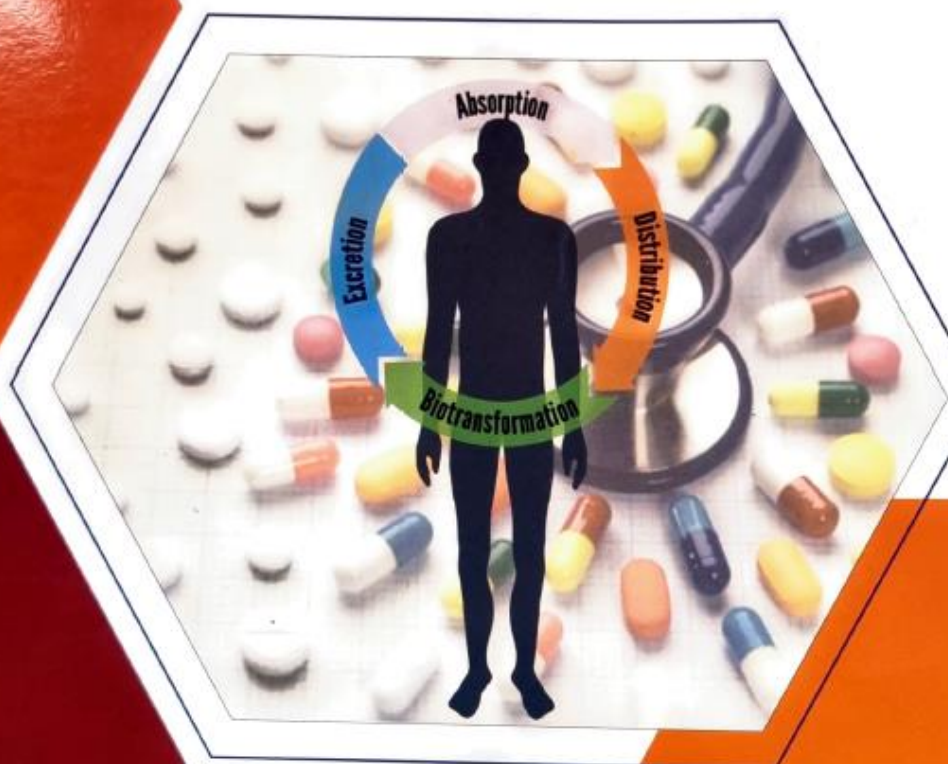
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Mrs. N.V.L. SIRISHA MULUKURI

Dr. VENKATESH D. P.

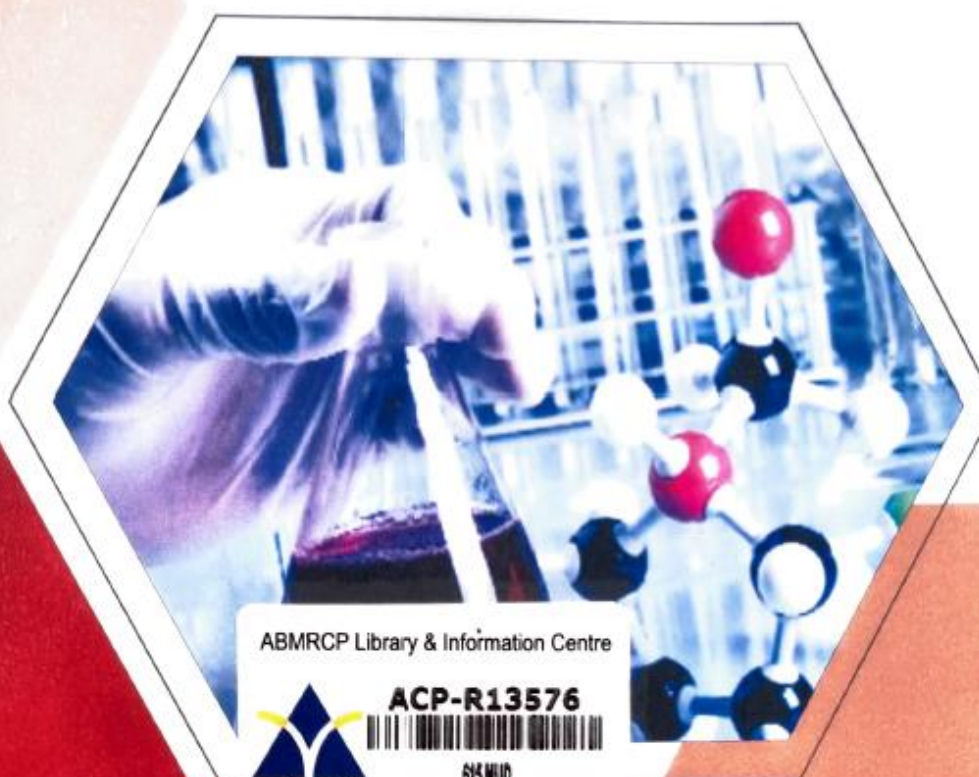
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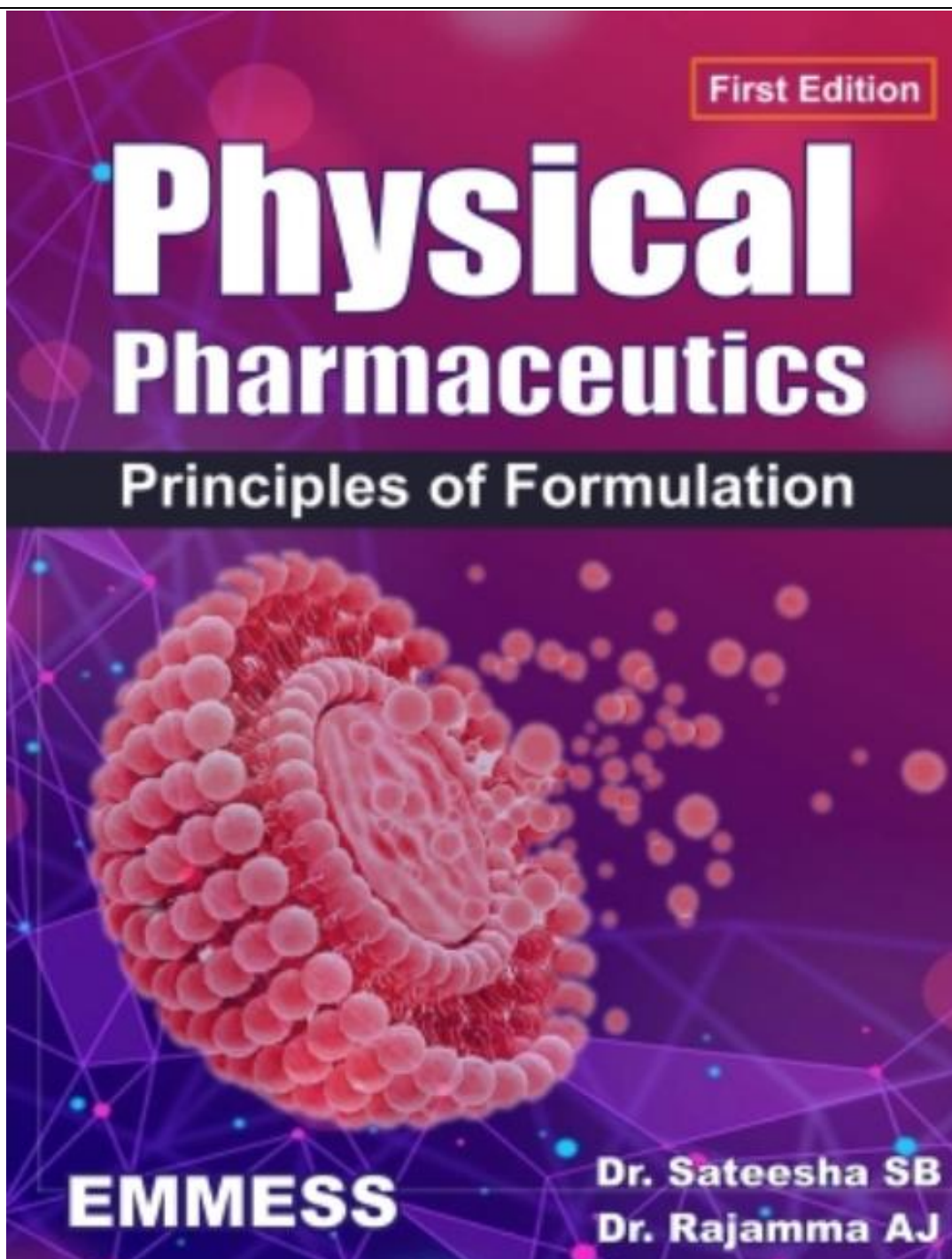
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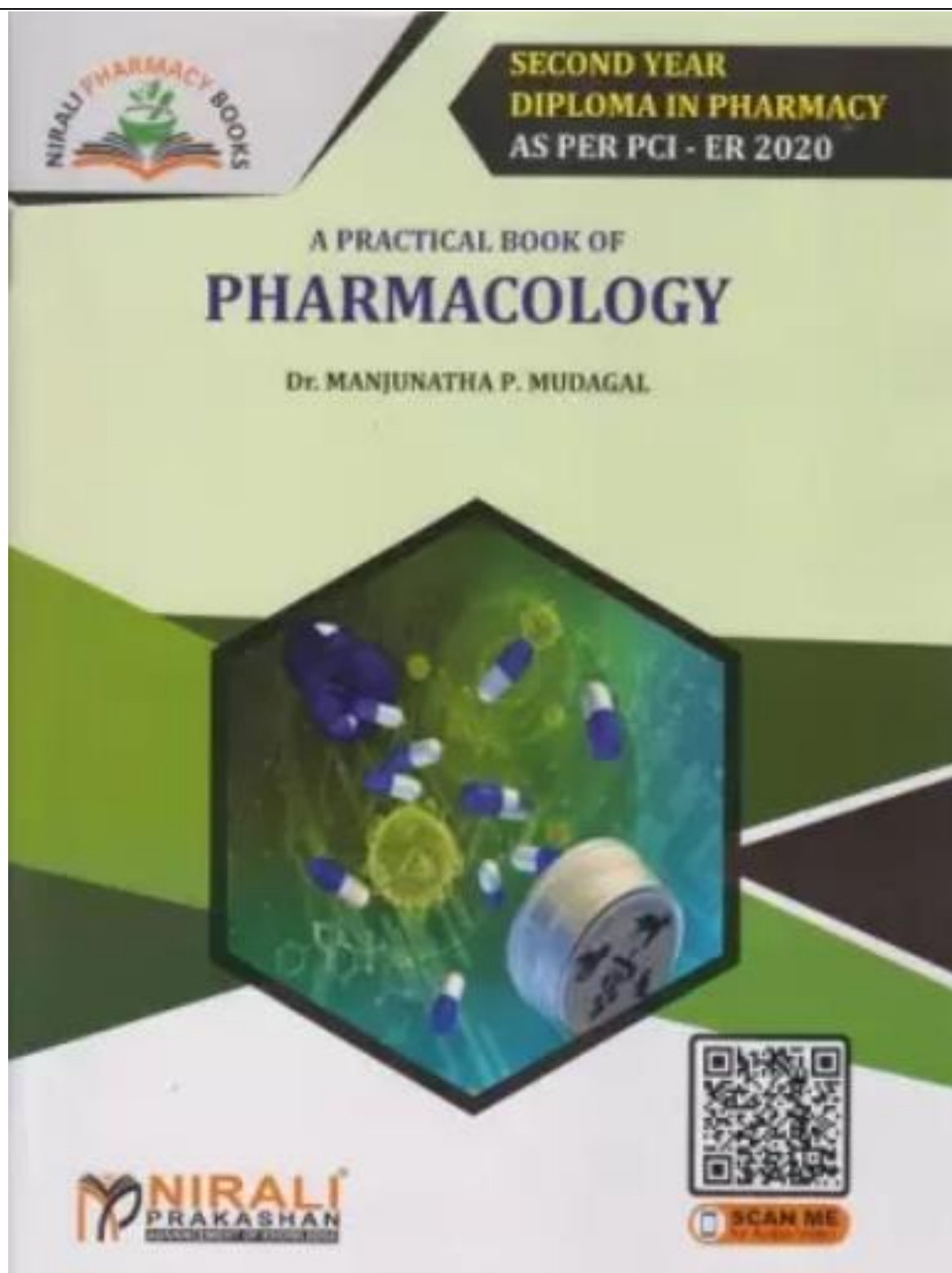


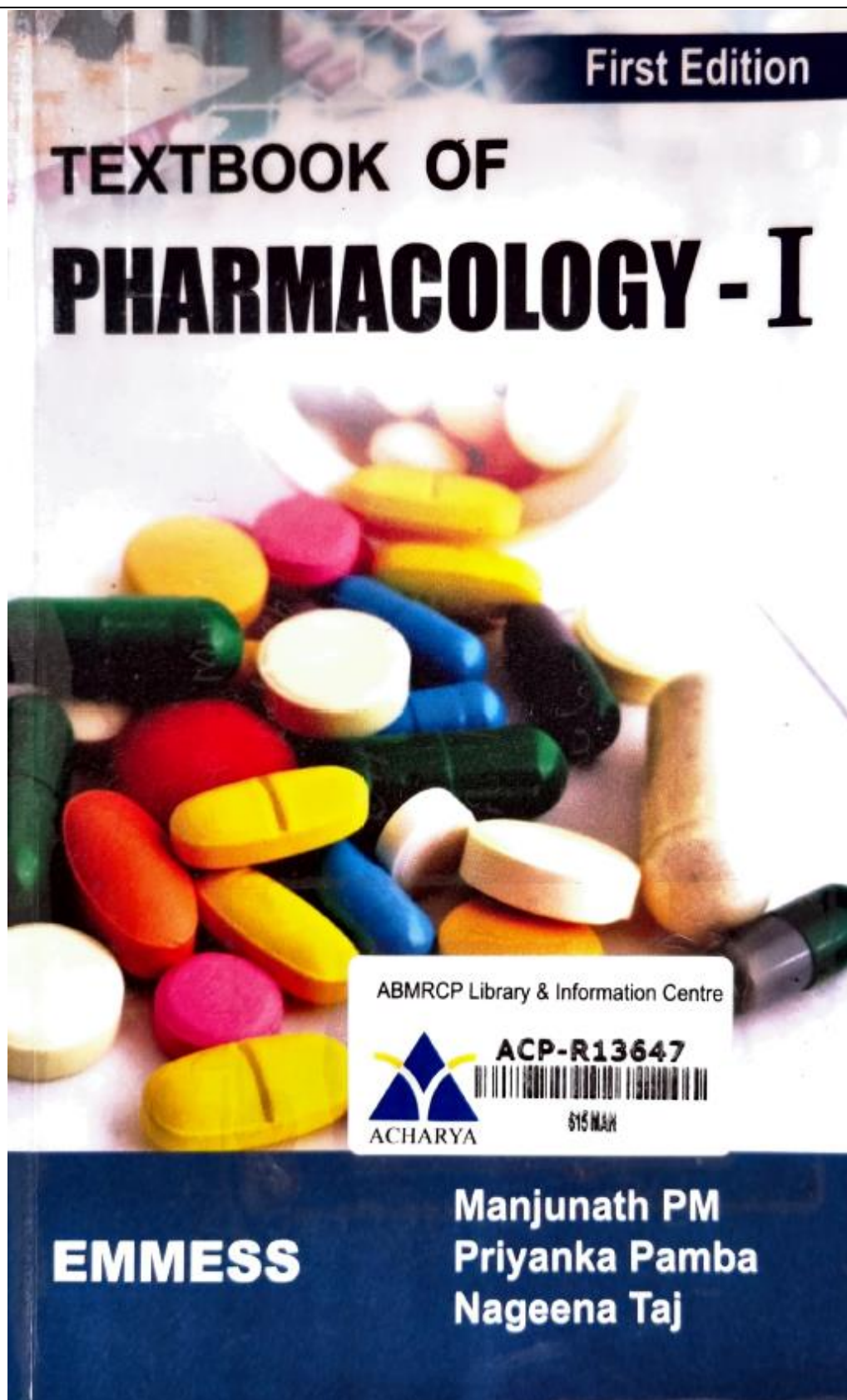
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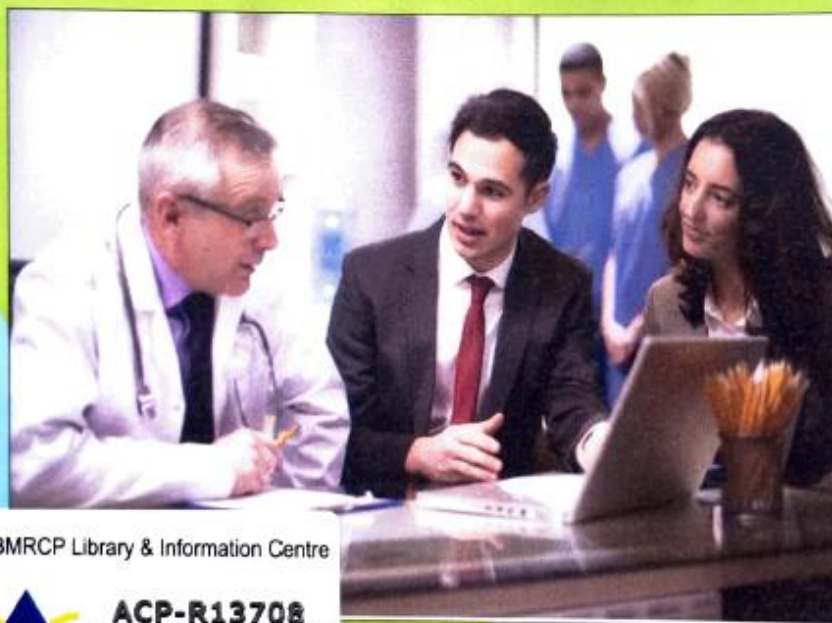


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10. PATENTS

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent
1	202341016254 A	Published	Hemalatha. K	Medicated Lollipop For Iron Supplementation And Method For Preparation Thereof
2	202241000878A	Published	Sajeev Kumar	An anti-inflammatory and pain reliving gel for RA
3	202241000877A	Published	Sajeev Kumar	Ethosome hydrogel hybrid technology for topical drug delivery
4	202241045565	Provisional patent	Gurubasavaraja swamy	Discoidin Domain Receptor Inhibitors as Anticancer Agents
5	202241045568	Provisional patent	Uday Raj Sharma	Novel Chalcone derivatives for hepatic Hellular Carcinoma
6	202241045567	Provisional patent	Suresh Janadri	Antiobesity bioactive compounds
7	202241045566	Provisional patent	Manjunatha PM	Development of novel chalcone derivatives and evaluate in vitro and in-vlvo respectively on lung Carcinoma
8	202211054445A	Published	Suresh Janadri	Development And Evaluations Of Bosweelic Acid For Treating RA
9	202131004808	Granted	Leishangthem Anita	A Sublingual Tablet Formulation By Lyophilized Techniquecontaining Cockroach Allergen
10	202141027629	Published	Puravarga Matada Gurubasavaraja Swamy	Pyrimidine Benzamide Derivatives As Anticancer Agents
11	201741026833	Published	Giles D	Novel Pyrimidine Derivatives As Potent Antiinflammatoryand Anti Cancer Agents
12	201741029502	Published	Giles D	7-Azaindole Derivatives And Uses Thereof



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कोलकाता/ Kolkata- 700091
दूरभाष / Tel No.: (033)(033)223679101
फैक्स / Fax : 033- 23671988
ई मेल / Email : kolkata-patent@nic.in
वेबसाइट / Website: <http://ipindia.nic.in>

सं. \ No. 202131004808

दिनांक \ Dated the 02/08/2022

सेवा में, \ To :

Address of Service:- D.SEN & CO.6, OLD POST OFFICE STREET, GROUND FLOOR, KOLKATA-700001, WEST BENGAL

Email Id:- co.dsens@gmail.com, debasishsen279@gmail.com

विषय :- पेटेंट आवेदन संख्या 202131004808 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना
Sub :- **Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 202131004808**

महोदय/महोदया,

Sir Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [च ----- को हुई सुनवाई] के उपरान्त एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 02/08/2022 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder (and hearing held on -----) a patent is hereby granted and recorded in the Register of Patents on the 02-08-2022. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 402832
आवेदक का नाम \ Name Of Applicant	: LEISHANGTHEM ANITA
पेटेंट दिनांक \ Date of Patent	: 04/02/2021
पूर्विकता तिथि \ Priority Date	: 04/02/2021
प्रस्तुत हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 01/12/2021
शीर्षक \ Title	: A SUBLINGUAL TABLET FORMULATION BY LYOPHILIZED TECHNIQUE CONTAINING COCKROACH ALLERGEN
दावों की संख्या \ Number of claims	: 10

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।

The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 तथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 तथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।

The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act, 1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Ashok Kumar

(नियंत्रक पेटेंट)

Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कानूनी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.

Granted Patent