

School of Pharmaceutical Sciences, U.T.D, R.G.P.V, Bhopal, M.P.

Counseling Schedule, Round -1

4/3/0003/2025-SEC-4-MP-DTE-Part(1)

I/411786/2025

कार्यालय, अध्यक्ष, काउंसलिंग समिति, संचालनालय तकनीकी शिक्षा, मध्यप्रदेश

टैगोर छात्रावास क्रमांक-T2, प्रथम तल, श्यामला हिल्स, दूरदर्शन रोड, भोपाल-462002

ऑनलाइन काउंसलिंग समय सारणी, सत्र 2025-26 (C-17)

एम.फार्मसी (M.Pharmacy) पाठ्यक्रम में वैध जीपेट स्कोर (Valid GPAT Score)/अर्हकारी परीक्षा के आधार पर प्रथम वर्ष में प्रवेश हेतु (मध्यप्रदेश में स्थित शासकीय/स्वशासी/अनुदान प्राप्त/स्ववित्तीय एवं निजी संस्थान)

प्रथम चरण	
वैध जीपेट स्कोर (Valid GPAT Score) के आधार पर	
गतिविधियां	दिनांक/समय
ऑनलाइन रजिस्ट्रेशन/रजिस्ट्रेशन निरस्त	05/08/2025 से 29/08/2025 रात्रि 11:45 बजे तक
रजिस्ट्रेशन में सुधार (Edit Registration) (सत्यापित उम्मीदवारों के लिये रजिस्ट्रेशन में सुधार की सुविधा, रजिस्ट्रेशन की अंतिम तिथि के पश्चात केवल एक बार उपलब्ध रहेगी)	30/08/2025 से 31/08/2025 रात्रि 11:45 बजे तक
संस्थाओं के प्राथमिकताक्रम का ऑनलाइन ऑनलाइन चयन कर लॉक करना (प्राथमिकताक्रम (Choice filling) में परिवर्तन की सुविधा अंतिम दो दिन उपलब्ध रहेगी)	20/08/2025 से 02/09/2025 रात्रि 11:45 बजे तक
कॉमन मेरिट सूची की उपलब्धता।	03/09/2025
आवंटन पत्रों की ऑनलाइन उपलब्धता/आवंटित संस्था में उपस्थिति (आवंटित संस्था में मूल दस्तावेजों का सत्यापन एवं प्रवेश)	06/09/2025 से 11/09/2025 सायं 5:00 बजे तक
अर्हकारी परीक्षा के आधार पर पंजीयन दिनांक 05 अगस्त 2025 से 12 सितंबर 2025 तक उपलब्ध रहेगे, शेष प्रक्रिया द्वितीय चरण अनुसार रहेगी।	
द्वितीय चरण	
(प्रथमतः वैध जीपेट स्कोर (Valid GPAT Score) तत्पश्चात अर्हकारी परीक्षा के आधार पर आवंटन)	
ऑनलाइन रजिस्ट्रेशन/रजिस्ट्रेशन निरस्त	05/09/2025 से 12/09/2025 रात्रि 11:45 बजे तक
रजिस्ट्रेशन में सुधार (Edit Registration) (सत्यापित उम्मीदवारों के लिये रजिस्ट्रेशन में सुधार की सुविधा, रजिस्ट्रेशन की अंतिम तिथि के पश्चात केवल एक बार उपलब्ध रहेगी)	13/09/2025 से 14/09/2025 रात्रि 11:45 बजे तक
संस्थाओं के प्राथमिकताक्रम का ऑनलाइन ऑनलाइन चयन कर लॉक करना (प्राथमिकताक्रम (Choice filling) में परिवर्तन की सुविधा अंतिम दो दिन उपलब्ध रहेगी)	06/09/2025 से 16/09/2025 रात्रि 11:45 बजे तक
कॉमन मेरिट सूची की उपलब्धता।	17/09/2025
आवंटन पत्रों की ऑनलाइन उपलब्धता/आवंटित संस्था में उपस्थिति (आवंटित संस्था में मूल दस्तावेजों का सत्यापन एवं प्रवेश)	20/09/2025 से 24/09/2025 सायं 5:00 बजे तक
संस्था स्तर की काउंसलिंग (CLC)	
(प्रथमतः वैध जीपेट स्कोर (Valid GPAT Score) तत्पश्चात अर्हकारी परीक्षा के आधार पर आवंटन)	
ऑनलाइन रजिस्ट्रेशन	प्रवेश के अवसर का दिनांक/समय
23/09/2025 से 25/09/2025 रात्रि 11:45 बजे तक	26/09/2025 प्रातः 10:30 बजे से
उपरोक्त काउंसलिंग उपरान्त रिक्त रह गई सीटों के लिये	
27/09/2025 से 28/09/2025 रात्रि 11:45 बजे तक	29/09/2025 प्रातः 10:30 बजे से
उपरोक्त काउंसलिंग उपरान्त रिक्त रह गई सीटों के लिये	
30/09/2025 से 30/09/2025 रात्रि 11:45 बजे तक	30/09/2025 प्रातः 10:30 बजे से रात्रि 11:45 बजे तक

• प्रवेश नियम, विस्तृत समय-सारणी, अभ्यर्थी के लिये महत्वपूर्ण निर्देश, अधिकृत सहायता केन्द्रों की सूची आदि वेबसाइट dte.mponline.gov.in पर उपलब्ध है। काउंसलिंग में सम्मिलित होने के पूर्व इनका सूक्ष्मता से अध्ययन कर लें।

• संस्था स्तर की काउंसलिंग में **इच्छुक संस्था में प्रवेश का अवसर प्राप्त करने के लिये** निर्धारित तिथि पर संस्था में प्रातः 10:30 से दोपहर 1:00 बजे तक उपस्थित हुए अभ्यर्थियों की मेरिट तैयार कर, तदुपरान्त मेरिट के अनुसार प्रवेश किये जायेंगे।

प्रवेश निरस्त

➤ काउंसलिंग के किसी भी चरण में प्राथमिकताक्रम का ऑनलाइन चयन कर लॉक करने की अंतिम दिनांक/समय से आवंटन जारी होने तक तथा संस्था स्तर की काउंसलिंग (CLC) में, प्रवेश का अवसर प्राप्त करने की दिनांक को, प्रवेश निरस्ती करण की सुविधा उपलब्ध नहीं रहेगी।

• संपर्क:- 0755-6720205, 2660441 ईमेल:- dte.helpcenter@mp.gov.in

आयुक्त द्वारा अनुमोदित

Digitally signed by
Yatindra Singh Thakur

Date: 04-08-2025

10:48:46

प्र. (ब.) नाय. एस. ठाकुर]

आतिरिक्त संचालक

तकनीकी शिक्षा, मध्यप्रदेश

From Director's Desk: Dr. Deepti Jain



School of Pharmaceutical Sciences, U.T.D-R.G.P.V, Bhopal is one of the most sought after pharmacy institutes for Post Graduate and Ph. D studies in Central India. Department is continuously working towards becoming a Centre of Excellence in pharmaceutical education and research, the Institute always endeavors to maintain the high standards of quality education by providing stimulating and challenging learning and research environment. The Institute has been the vanguard of research with well-equipped (S.A.I.L) Sophisticated Analytical Instrumentation Lab, outstanding infrastructure, excellent automated central library facility and enriched medicinal garden. The dedicated team of well qualified and experienced faculty members (Ph.D and Post Doc's) are preparing the students to face present challenges and demands of pharmaceutical field in India and abroad.

Establishment

School of Pharmaceutical Sciences is one of the front line institutions in Madhya Pradesh dedicated entirely for post graduate study and research in Pharmaceutical Sciences and allied disciplines, was established on 28th Dec. 2002. Dynamic and internationally top rated research is integrated with excellent teaching to further knowledge and understanding of medicines-how they made, how they act and how people use them to prevent and cure diseases. The school aims to nurture outstanding researchers in a modern, forward-thinking and exciting place of work.

Vision:

“To be an outstanding Department of Excellence ever in pursuit of newer horizons to create selfreliant global pharmacists through assured quality education programmes”.

- ☐ To be internationally recognized for research and education in Pharmaceutical Sciences.
- ☐ To provide quality education to pharma students at all academic levels, using best practices and evidence-based educational approaches and help them to become next generation of scientists, health professionals and educators.
- ☐ To provide a transformative learning experience to young pharma graduates in a academic environment that promotes effective mentoring, professional growth and development, and lifelong learning.
- ☐ To be recognized as a partner of choice for Indian pharma industries by developing indigenous technologies that can deliver global competence.

Mission:

- ☐ To achieve excellence in our educational programs through innovative education and leading-edge research.
- ☐ To produce outstanding pharmacists and pharmaceutical scientists who will improve human health, foster exemplary research, and provide sustaining contributions for the advancement of the Pharmaceutical Sciences discipline.
- ☐ To promote research and innovation in the thrust areas of 'New Drug Discovery and Development' through cutting edge research.
- ☐ To support the governmental initiatives for 'affordable healthcare' through discovery and development of new pharmacotherapeutic agents for critical diseases.

1. Programs offered

1. M. Pharm in Pharmaceutical Chemistry with an intake 10 students
2. M. Pharm in Pharmaceutics with an intake 10 students
3. M. Pharm in Quality Assurance with an intake 10 students
4. Doctoral programs in Pharmaceutical Sciences

2. Faculty Details :

S. No	Name	Designation
1	Dr. Deepti Jain	Professor-Pharmaceutical Chemistry, Director, S.O.P.S, U.T.D-R.G.P.V, Bhopal.
2	Dr. Suman Ramteke	Professor- Pharmaceutics S.O.P.S, U.T.D-R.G.P.V, Bhopal.
3	Dr.AnindyaBasu	Assistant Professor U.G.C-Faulty Recharge Program Scheme, S.O.P.S, U.T.D-R.G.P.V, Bhopal.
4	Dr. Anita DuttKonar	Assistant Professor U.G.C- Faulty Recharge Program Scheme, S.O.P.S, U.T.D-R.G.P.V, Bhopal.
5	Dr. Farhad F Mehta	Assistant Professor,S.O.P.S, U.T.D-R.G.P.V, Bhopal.
6	Dr. Ram Singh Bishnoi	Assistant Professor,S.O.P.S, U.T.D-R.G.P.V, Bhopal

3. School Research Areas and Activities:

❖ New Drug Discovery

• Anti Diabetic Drug Discovery

Development of novel carboxylic and non-carboxylic acid inhibitors of protein tyrosine phosphatase-1b and DPP4 for treatment of diabetes mellitus employing high throughput virtual screening protocols.

• New Drug Discovery for Neurodegenerative Disorders

Discovery of Multitargeting therapeutics targeting DYRK 1A, GSK 3 Beta and CDK-5 kinases as a viable strategy for treatment of Alzheimer's disease.

❖ Analytical Method Development

Broadly new methods are developed for

- **Stability indicating** methods;
- **Bioanalytical studies** i.e. plasma studies; simultaneous estimation of drugs in marketed formulations; and
- Standardization of herbal products.

Stability Indicating Assay Methods have been developed for the drugs as per ICH norms which will be very useful for any industry to launch its any of the product.

Developed bioanalytical methods will be of great use in patient to patient drug monitoring and for bioequivalence studies of the marketed formulations. Some analytical methods have been developed for herbal products, their standardization and optimization in terms of active constituents.

❖ **Novel Drug Delivery Systems**

Drug delivery systems can be designed to control the rate and period of drug administration, target specific areas of the body and overcome solubility and stability issues. The Drug Delivery laboratory concentrates on the application of scientific principles to the development of optimal systems for the delivery of therapeutically active molecules to target sites in the body. This involves conventional drug molecules and natural compounds.

Drug delivery research in the School of Pharmaceutical sciences is currently focused on two areas:

- **Nanoparticulate drug delivery** systems- The research involves the development of smart surface nanoparticles for organ specific drug delivery and evaluation of risk associated with particulate carriers.
- **Targeted delivery via the skin** – Research efforts are aimed at the development of a novel skin penetration enhancement technology, targeted drug delivery to the skin and formulation design and optimization for transdermal and topical systems carrying drugs molecules.

4. **Fellowship/Medals/Awards/Honors:**

S. No.	Year of Publication	Number of National Award Presented by National Agencies.
1	2020	00
2	2021	06
3	2022	07
4	2023	04
5	2024	03

List of Awards Received

Name of Awardee	Title of Award	Name of Organization	Date of Award
Dr. Deepti Jain	Awarded “Senior researcher award” in Pharma Vision by 2k25	ShriBalaji book distributors, Bhopal	27.09.20
Dr. Deepti Jain,	Awarded Eminent Principal Award.	IPA-MP Branch Indore	02.10.21
Dr. Ram Singh Bishnoi	Awarded outstanding Assistant Professor Award.	IPA-MP Branch Indore	02.10.21
Dr. SumanRamteke	Awarded distinguished Professor Award.	IPA-MP Branch Indore	02.10.21
Prof. SumanRamteke	RGPV Best Paper, Faculty Category	RGPV, Bhopal	22.02.22
Prof. Deepti Jain	RGPV Best Project, Faculty Category	RGPV, Bhopal	22.02.22
Mr. Arvind Jain	RGPV Best Paper, Doctoral Fellow Category	RGPV, Bhopal	22.02.22
Mr. Atul Kumar	RGPV Best Paper, Doctoral Fellow Category	RGPV, Bhopal	22.02.22
Mr. NavneetDubey	Anvikshana Project Award, Doctoral Fellow Category	RGPV, Bhopal	22.02.22
Mr. Atul Kumar	ICMR-SRF fellowship	ICMR, New Delhi	16.02.2022
Dr.Farhad F Mehta	V.C. Award	R.G.P.V, Bhopal	13.04.2022
Mr. Vinod Kumar Dhote	1 st Position in National Seminar on screening Human health by using medicinal plant.	Vindhya Herbal, Bhopal	13.11.2022
Ms. RitikaSahu	Young Researcher award.	RB Sciences, Bhopal	05.09.2023
Dr. Farhad Mehta	P.C.I (Pharmacy Council of India) PharmaAnveshan Won best concept note award in granted patent category at National level	P.C.I (Pharmacy Council of India), New Delhi	06.03.2023
Dr.Farhad Mehta	Awarded outstanding Assistant Professor award at PharmaAnveshan.	National Pharmacy Education day organized by Pharmacy council of India (P.C.I) and Smriti college of Pharmaceutical Education, at Indore.	06.02.2024
Ms. TeenaPatidar	39 th MP Young Scientist Congress awarded fellowship for training of young scientist by MPCST Bhopal.	MPCST Bhopal	21-23.02. 24

Ms.RitikaSahu	39 th MP Young Scientist Congress awarded fellowship for training of young scientist by MPCST Bhopal.	MPCST Bhopal	21-23. 02.24
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5. Name of all School Laboratories/ Studios:

1. Sophisticated Analytical Instrumentation Lab (SAIL)
2. Machine Room
3. Pharmaceutics Lab, F and D Lab
4. Pharmaceutical Chemistry Synthesis Lab
5. Pharmaceutical Quality Assurance Lab
6. Drug Design Lab
7. AC Classroom with interactive board facility
8. Automated Library
9. Seminar Room
10. Biotechnology Lab
11. Chemical Store

6. School Library:

Fully automated library. Single point access to **6,00,000+ Publications** including, 1000's of Journals from ACS, Taylor & Francis, **25,000+ eBooks** from top Publishers like Cambridge University Press, Wiley, Pearson, Morgan Claypool, Kopykitab, IGI Global and Refread OA Collections and **83,000+ Online Lectures**, Tutorials and Expert Talks can be accessed from anywhere across the globe.

7. Research Facilities:

Sophisticated Analytical Instrumental Laboratory (SAIL)

- High Performance Liquid Chromatograph (Shimadzu, Prominence-I, LC-2030C, 3D Plus Japan)
- FTIR Spectrophotometer (Jasco Japan, Shimadzu Prestige IR-21)
- UV Spectrophotometer (Shimadzu UV 1900, Japan)
- X- RAY Diffraction, PANalytical USA, Model- AERIS

- HPTLC, CAMAG, Linomat 5, TLC Scanner 4
- Ultra Performance Liquid Chromatograph (Waters, Austria)
- Freeze Drier (Virtis, USA)
- LC-Mass-Mass (Applied Biosystems, USA)
- Rotary Vacuum Flash Evaporator (Roteva, India)
- Eight Basket Dissolution Test Apparatus (Electrolab, India)
- Differential Scanning Calorimeter (Perkin Elmer, USA)
- Tablet Section (Rotary Tablet Machine, Granulator, Coater with accessories)
(Karnavati, India)
- Particle Size Analyzer (Malvern, UK)
- Fluorescent Microscope (Radical, India)
- Refrigerated Centrifuge (Eppendorf, USA)
- Nitrogen Evaporator (Caliper Life Sciences, USA)
- Homogenizer (Omni, USA)
- CHN Analyzer (Elementar, Germany)
- Drug Design Softwares (Schrödinger, Open Eye, Auto Dock)
- Texture Analyser (Stable Microsystems- TA.XT Express U.K.)
- Gel Electrophoresis, Model Clever
- Laminar Airflow

8. Other amenities of the School:

- Automated Library.
- R and D Lab.
- Ph.D Research Lab.
- Seminar Room.
- Wet Lab.
- Wi Fi Facility.

9. Projects Received in the Department.

S. No.	Year of Publication	Number of Research Project sanctioned
1	2020	01
2	2021	00
3	2022	06
4	2023	08
5	2024	01

S No	Year	Title of the R& D Project	Name of PI	Sponsoring agency	Amount sanctioned	Status
1	31/03/25	Pharmacokinetic Pharmacodynamics and Toxicological characterization of Nanostructures for Pharmaceutical application.	Dr. SumanRamt eke	MPCST	6.60lacs	Ongoing
2	23/04/24	Fishing out mechanoresponsive hydrogel through chiral orchestration in ampiphillic peptides a potential therapeutic to cancer and microbial challenges	Dr. Anita DuttKonar	C.S.I.R, M.H.R.D, EMR-II New Delhi.	Rs.6,00,000 /-	Ongoing
3	10/07/23	Development and evaluation of fiber and protein enriched composited bars containing Madhucalongifolia	Dr. Deepti Jain	MFP-PARC, Bhopal	Rs.2,50,000/-	Ongoing
4	26/07/23	Development and evaluation of Analgesic topical formulation of Madhucalongifolia seed oil	Dr. Deepti Jain	MFP-PARC, Bhopal	Rs.2,50,000/-	Ongoing
5	06/11/23	Detection of Voc's as biomarkers from exhale of breath for clinical diagnosis	Dr. Deepti Jain	Anvikshna Grant in Aid, RGPV	Rs.325000/-	Ongoing
6	06/11/23	Formulation and Characterization of buccal mucosal drug delivery system for Nicotine Replacement Therapy	Dr. Deepti Jain (Mentor PI) & Dr. Farhad F.	Anvikshna Grant in Aid, RGPV	Rs.200000/-	Ongoing

		(NRT)	Mehta (PI)			
7	06/11/23	Characterization and evaluation of phytoactive constituents and its application for the management of polycystic ovarian syndrome (PCOS)	Dr. SumanRamt eke (Mentor PI) & Ms. NehaShukla (PI)	Anvikshna Grant in Aid, RGPV	Rs.20000 0/-	Ongoing
8	06/11/23	Synthesis and characterization of inherently cancer targeted polymeric nanoparticles for the delivery of anticancer drug through CD44 receptors	Dr. SumanRamt eke	(<i>Best Project execution through Anvikshana , RGPV Grant</i>)	Rs.24000 0/-	Ongoing
9	06/11/23	Development and evaluation of β -sitosterol loaded transethosomes for anti-arthritic activity	Dr. SumanRamt eke (Mentor PI) & Mr. JunaidAlam (PI)	<i>Anvikshana , RGPV Grant</i>	Rs.50000/ -	Ongoing
10	28/08/23	Crafting machano responsive hydrogel through Orchestation in peptides: A key to dermal wound healing .	Dr. Anita DuttKonar (PI) & Dr. AnindyaBas u (Co-PI)	SERB Power <i>DST Grant New Delhi</i>	Rs.29018 00	Ongoing
11		Bioprocessing of biomaterial.	Dr. AnindyaBas u (PI) & Mr. Atul Kumar (Ph. D. Scholar)	<i>Anvikshana , RGPV Grant</i>	Rs.4.29 lakhs	Ongoing
12	2020	Modernization of existing Pharmaceutical analytical chemistry lab: Introduction of new UV Spectrophotometer and HPLC system.	Dr. Deepti Jain	AICTE MODROBS	20 lacs	Ongoing
13	2019	Bar code Medication: A novel approach to prevent medication errors.	Dr. Deepti Jain (PI) Dr. Manish Manoriya Director SIRT-Bhopal (Co PI)	TEQIP – III, RGPV	3.00 lacs	Ongoing
14	2019	Oral glucose responsive nano robotic systems for	Dr. SumanRamt	TEQIP – III, RGPV	3.00 lacs	Ongoing

		management of diabetes mellitus.	eke			
15	2019	Unravelling the proficiency of Peptide Based Bio-inspired Hydrogels as Advanced Materials for Drug Delivery Applications (TEQIP 61).	Dr. Anita DuttKonar	TEQIP – III RGPV	3.00 lacs	Ongoing
16	2019	Rational Design of Self-Healing Bacterial Concrete	Dr. AnindyaBasu	TEQIP – III, RGPV	3.00 lacs	Ongoing
17	2017	Scalable bioprocessing platform for the recombinant production of potent novel Antimicrobial peptides". DBT Project No. BT/PR21080/BBE/117/254/2016. Duration 3 years.	Dr. AnindyaBasu (PI)	DBT New Delhi	Rs 31.1lacs	Ongoing
17	2016	Development and characterization of drug loaded surface functionalized carbon Nano tube for treatment of breast cancer. vide letter no. SR/WOS-A/LS-314/2016 dated: 31/08/2016.	Ms. Nidhi Jain	DSTWomen Scientist Scheme – A (WOS-A)	24.85 lacs	Completed
18	2016	Structure based design, synthesis, characterization and biological evaluation of some small molecule inhibitors implicated in neurodegenerative diseases. Award no.MANF-2015-17-MAD 50686 dated: 01/04/2016.	Mr. Arvind Jain	MAN-JRF (Maulana Azad National Research Fellowship) oArvindjain.	19.00 lacs	Completed
19	2016	Comparative study of brain targeting system for treatment of migraine. UGC vide letter no. SERB/F/1957/2016-17 dated: 08/07/2017.	Dr. SumanRamtaka	Dr. UGC (FSER-SC) scheme. Fund for Science and Engineering Research,	5.5 lacs	Ongoing
20	2016	Amino acids and peptides as effective carrier for functional material and drug delivery. File no.: A/RD/RP-	Dr. Anita DuttKonar	M.P.C.S.T-Bhopal	4.9 lacs	Ongoing

		2/2016-17/58.				
21	2014	In search of bioinspired and functional materials: Its application in nanotechnology and Nano biotechnology	Dr. Anita DuttKonar	DST	20.0 lacs	Ongoing
22	2014	R & D project (Bioscience) : Structure Based Design of Novel Non- Carboxylic inhibitors of PTB 1 B enzyme as anti diabetic agents	Prof. PiyushTrivedi	MPCST	9.22acs	Completed
23	2013	Quantitative Determination of Active Pharmaceutical Ingredients in Pharmaceutical Formulations by FTIR/Near IR Spectroscopy.	Dr. Deepti Jain	AICTE	17.55 lacs	Completed
24	2013	Development and pharmacokinetic evaluation of multidrug gastro retentive systems for the treatment of H. Pylori	Dr. SumanRamtke	AICTE	14.11lacs	
25	2012	Targeted nano carriers for the treatment of cerebral malaria	Dr. SumanRamtke	UGC	12 lacs	Completed
26	2011	“Formulation and characterization of biodegradable medicated chewing gum delivery”,	Mr. Farhad Mehta	CSIR-SRF	--	Completed
27	2011	Potential novel carrier system for the effective management of epithelial malignancies.	Ms. Vandana Gupta	WOS-A-DST (SRF)	--	Completed
28	2010	Formulation and Characterization of biodegradable medicated chewing gum.	Prof. PiyushTrivedi	MPCST	7.31 lacs	Completed
29	2008	MODROBS : Modernization of the existing instrumentation room.	Prof. PiyushTrivedi	AICTE	8.00 lacs	Completed
30	2006	Design and development a novel biologically active moieties (Anticancer anti	Dr. N.S.H. N. Moorthy	AICTE	10.05 lacs	Completed

		HIV etc)				
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10. Number of Patents/ Industrial Design Granted (USA Applied, Germany, UK, South Africa&India Granted)::

S. No.	Year of Publication	Number of Patents/ Industrial Design Granted
1	2020	00
2	2021	02
3	2022	01
4	2023	45
5	2024	12

Patent and Industrial design (2024):

1. German Utility patent granted on topic “Formulation of guava leaf medicated chewing gum”. No.20 24 104 346 grant date 18/11/2024.IPC no.A61K8/61.
2. Indian Patent published on topic “ Method for simultaneous estimation of quercetin and beta sitosterol in plant extract using RPHPLC”, Nov 2024.
3. Indian design registration filed on topic “X Ray Diffraction Apparatus For Determining Crystallinity And Phase Purity Of Synthetic Compounds” on 04 January 2024. Application number:403799-001.
4. Indian design registration granted on topic “Apparatus for Measuring anti-inflammatory, analgesic and antioxidant activity of natural products”on 06 January 2024. Application number:403939-001.
4. Indian design registration granted on topic “Programmable infusion pump to deliver liposomal therapeutics on 04 January 2024. Application number:403791-001.
5. Indian design registration granted on topic “ AI – Based controller stress rheometer for Viscoelectric analysis of emulsion. Design application number-426390-001 dated 10/Aug/2024.
6. Indian design registration grantedon topic “ IOT based device for measuring HIV and Hepatitis through Saliva”. Design application number-426392-001 dated 10/Aug/2024.

7. Indian design registration granted on topic “ IOT based breast cancer detection device using micro calcification”. Application number-427794-001 dated 22/Aug/2024.

8. Indian design registration granted on topic “Digital ocular drug delivery device for diabetic retinopathy control”. Application number-427795-001 dated 22/Aug/2024.

9. Indian design registration patent filed on topic “Microfluidic SGPT detection Apparatus with IOT integration”. Under examination. 10 applicant. Design granted application number -433141-001.

10. German Utility patent granted on topic “ Formulation and characterization of Nicotine Buccal Film. Patent filled DRN, Document reference number 2024103019104900DE dated 30/10/2024. Patent Granted Number: 20 2024 106 235, dated 25/11/2024.

11.UK design registration granted on topic “ AI based non invaisive brain scanning device for neuro defects identification”. Design Granted Number: 6406023, dated 30 Nov 2024.

11. Book /Chapter by Faculties:

S. No.	Year of Publication	Number of Book / Book Chapter
1	2020	01
2	2021	05
3	2022	04
4	2023	05
5	2024	03

Book chapter/ Book published (2024):

1. Dr. Farhad F Mehta published book on the topic “Formulation and Characterization of NiotineBuccal Film” Published by LAP Lambert Academic Publishing, Omniscryptom S.R.L. Publishing group, Str.A.Russo15, Chisinau 2068, Republic of Maldova, Europe. ISBN:978-620-7-48304-4, Price: 60.90 €. Available for purchase on <https://www.lap-publishing.com/>. Copyright © Farhad F Mehta, Digvijay Kumar.

2. Dr. Farhad F Mehta, KajalAgrawal and DrDeepti Jain published book on the topic “Formulation and Characterization of Niotine Mouth Spray” Published by LAP Lambert Academic Publishing, Omniscryptom S.R.L. Publishing group, Str.A.Russo15, Chisinau 2068, Republic of Maldova, Europe. ISBN:978-620-7-48769-1, Price: 60.90 €. Available for purchase on <https://www.lap-publishing.com/>. Copyright © Farhad F Mehta, KajalAgrawal, Deepti Jain.

3. Basu A., DuttKonar A., Bioderived Materials: Harnessing Nature for Advanced Biochemical Handiwork, (2024) Edited Book DOI: 10.2174/97898151368691240101; eISBN: 978-981-5136-86-9, 2024 .

12. Research paper published in Peer Reviewed journals:

S. No.	Year of Publication	Number of Papers
1	2020	25
2	2021	11
3	2022	14
4	2023	06
5	2024	19

Research Paper Published (2024):

1.Patidar T, Ramteke S. Development and Validation of a Robust HPLC Method for Simultaneous Quantitative Analysis of Quercetin and β sitosterol in Plant Extract. Food Analytical Methods, 17 (2024), 393-405. <https://doi.org/10.1007/s12161-024-02581-1>.

2.RahulMauraya, SumanRamteke, Narendra Kumar Jain, Quality by design (QbD) approach-based development of optimized nanocarrier to achieve quality target product profile (QTPP)-targeted lymphatic delivery published by IOP issn: 1361-6528 Nanotechnology April 2024, DOI:10.1088/1361-6528/ad355b.

3.Anand V, Singhai N, Shukla A K, Ramteke S. Design synthesis and assessment of clarithromycin misoporous silica nanoparticles encapsulating for enhanced topical drug administration. Vol 15 (3) May 2024: 357-368. DOI: 10.15515/abr.0976-4585.15.3.357368

4. Kumar A, Mishra B., DuttKonar A, Mylonakis E, and Basu A., (2024) Molecular Dynamics Simulations Help Determine the Molecular Mechanisms of Lasioglossin-III and Its Variant Peptides' Membrane Interfacial Interactions. *Journal of Physical Chemistry B*, DOI: 10.1021/acs.jpcc.4c02387
5. Juhi S., Basu A, Lim S. Synthesis and Applications of Bacterial Cellulose Composites InBioderived Materials: Harnessing Nature for Advanced Biochemical Handiwork, 2024, DOI: 10.2174/9789815136869124010008
6. Patel D, Patil A, Mehta F F, Kasode M L, Desu S R, Balakashmi C and Trivedi H J. Development and evaluation of nose to brain drug loaded microemulsion. *Int. J. Zool .Investig.* 2024; 10(1): 475-481.
7. Patel A, Mehta F F, Suri P, Vashist S, Choudhary SA, Kaur R, Udugade SB, Dey P. Silica based nanocarrier for controlled drug delivery: A critical review of design strataegies and biomedical applications. *J. Clinical Health Risk.* 2024; 14(2): 3624-3636.
8. KumarPrakash, TiwariGaurav, Mehta F F, SoodSalvi, Singh Gurdeep. Overview of pharmacological activities and structure modifications of Piperine derivatives. *Chemistry Select, Wiley Online Library.*(Submitted under review), SCI-2.9
9. Mehta F F, Kandacvalli D, Sinha M, Kiran V, Babu R H, Mishra A K, Choudhary P, Panda S. Mucus- Penetrating Nanoparticles: Overcoming barriers in Mucosal drug delivery. *Afr. J. Bio. Sc.* 2024; 6 (Si4): 35-61. ISSN: 2663-2187. Doi: 10.48047/AFJBS.6.Si.2024. 35-61.
10. Mehta F F, Sarma S S, Kaur M P, Mallamma, Gupta N, Choudhary P, Triphathi K, Mahapatra L. Design and evaluation of NSAID's loaded drug Ethosomal gel formulation for Rheumatoid Arthritis. *Afr. J. Bio. Sc.* 2024; 6 (Si4): 511-522. ISSN: 2663-2187. Doi: 10.48047/AFJBS.6.Si.2024. 511-522.
11. Sunkara S P, Mehta F F, Aqeel S, Nath A V B, Behera S K, Katual M K, Kaur R, Parija S. Formulation, Evaluation of Mucoadhesivebuccal film of Felodipin using factorial design. *Afr. J. Bio. Sc.* 2024; 6(6): 7807-7817. ISSN: 2663-2187. Doi: 10.48047/AFJBS.6.6.Si.2024.7807-7817

12. Raziya S K, Babu B K, Srivastava R, Mehta F F, Shakya S, Chakraborty G, Mamathadevi A B, Babu B K.. Recent advances in engineering and therapeutic application of Tetracyclin loaded Nanoparticles. *Biochem.Cell. Arch.* 2024; 24 (2): 2717-2730. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2717>.
13. Mehta F F, Thulaisamai T, Raziya S K, Chakraborty G, Dewan S, Behera S R, Kumar A, Mishra V, Babu B K. Nanofiber encapsulation; Revolutionizing biopharmaceutical delivery through electrospinning. *Biochem.Cell. Arch.* 2024; 24 (2): 2747-2760. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2747>.
14. Mehta F F, Bhattacharjee A, Sharma R, Gupta N, Srivastava A, Akiladevi D, Dwivedi D, Thulasimani T. Preparation and evaluation of Famotidine loaded solid lipid nanoparticle for oral drug delivery. *Biochem.Cell. Arch.* 2024; 24 (2): 2851-2858. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2851>.
15. Pandey J, Mandha M, Khan M R, Ghara A, Nayak S, Chakraborty G, Mehta F F, Kumar M R . Multitarget histone deacetylase inhibitors with reduced BRD4-LIFR-JAK1-STAT 3 mediated drug resistance. *Biochem.Cell. Arch.* 2024; 24 (2): 2761-2770. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2761>.
16. Devi P.R, Shreyasi, Sheth Z, Sophia M S C, Purohit D, Mehta F F, Tripathi K. Development of In Vitro isradipine fast dissolving tablet using direct compression method. *Biochem.Cell. Arch.* 2024; 24 (2): 2801-2808. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2801>.
17. Mehta F F. Formulation, development and characterization of Pantaprazole loaded microsphere by solvent evaporation. *Biochem.Cell. Arch.* 2024; 24 (2): 2961-2968. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2961>.
18. Raziya S K, Maurya D N, Shukla P, Mehta F F, Shukla P, Das P K, Patel A, Babu B K. Nanocarrier for arsenic trioxide delivery and its clinical application in solid tumor. *Biochem.Cell. Arch.* 2024; 24 (2): 2859-2870. ISSN: 0972-5075. DOI: <http://dx.doi.org/10.51470/BCA.2024.24.2.2859>.
19. Mehta F F, Pandey B S, Srinivas L, Akkireddy B L, Purohit D, Usman M R M, Shinde Y. Preparation, optimization and evaluation of dexamethasone film for

inflammation. *Front. Health Inform., Elsevier*; 13 (3), 2024 ISSN:2676-7104.
<https://doi.org/10.52783/fhi.502>.

20. Tiwari P, Gupta A, Shivhare V, Ahuja R, Mandloi A, Mishra A, Basu A, Konar A. Streogenic harmony fabricated mechanoresponsive homochiral triphenylalanine analogues with synergistic anti bacterial performances: A potential weapon for dermal wound management. *ACS applied biomaterial*. 7(1), 2024.
<http://dx.doi.org/10.1021/acsabm.3c00926>.

21. Ahuja R, Shivhare V, Konar A D. Recent advances in smart self-assembled bio inspired hydrogel: A bridging weapon for emerging health care applications from bench to bedside. *Macromolecular Rapid Communications*, 2024. Sep;45(17):e2400255. Doi:10.1002/marc.20240 0255. Epub 2024 Jul 3.

22. Kumar A, Mishra B, Konar A D, Mylonakis E and Basu A. Molecular dynamics simulation help determine the molecular mechanism of lasioglossin –III and its variant peptide membrane interfacial interaction. *The Journal of Physical Chemistry*. 2024, 128(25). <https://pubs.acs.org/doi/10.1021/acs.jpcc.4c02387?goto=supporting-info&articleRef=test>

13. MOU signed between SOPS, UTD, RGPV and other agencies:

1. MOU was signed for Collaboration In Research And Teaching Between School Of Pharmaceutical Sciences (SOPS), Rajiv Gandhi Prodyogiki Vishvavidyalaya, UTD-RGPV, Bhopal & ICMR-National Institute For Research In Environmental Health, Indian Council Of Medical Research (ICMR), Bhopal.
2. MOU was signed for Collaboration In Research And Teaching Between School Of Pharmaceutical Sciences (SOPS), Rajiv Gandhi Prodyogiki Vishvavidyalaya, UTD-RGPV, Bhopal & Adamya Herbal Care Pvt Ltd a company incorporated under the Companies Act, 1956 and having its registered office at 3/176, Sec. –B, Priyadarshani colony, Sitapur Road, Lucknow- 226020, (U.P.) India.
3. MOU was signed for collaboration in Research and Teaching between School Of Pharmaceutical Sciences (SOPS), Rajiv Gandhi Prodyogiki Vishvavidyalaya, UTD-RGPV, Bhopal & Department of Pharmacy, Shri G.S. Institute of Technology & Science, Indore.

4. MOU was signed for collaboration in Research and Teaching between School of Pharmaceutical Sciences (SOPS), Rajiv Gandhi Prodyogiki Vishvavidyalaya, UTD-RGPV, Bhopal & Pinnacle Biomedical Research Institute (PBRI) Hills Road, Depot Square, Bhopal.

Few Departmental Glimpses:



