



RESEARCH AND DEVELOPMENT

The contribution of faculty towards research including international/national publications, citations and Ph.D guidance during the assessment years is presented in the following.

ACADEMIC RESEARCH

a) Research papers and books/books chapters published by the faculties in the assessment years

Table: Total number of International and National publications in indexed journals published by the faculties in the assessment years.

Year	National	International	Total
2023-24	14	10	24
2024-25	15	9	24
2025-26	14	4	18
TOTAL	43	23	66



Table: Publications with citations by the faculties in the assessment years

Sr. No	Name of Faculty	Total no of Publications	Publications in the assessment years (2023-2026)	Total numbers of Citations
1.	Dr. Ankit B. Chaudhary	75	15	477
2.	Dr. Dhaval J. Patel	52	15	470
3.	Dr. Navneet F. Chauhan	14	7	36
4.	Dr. Umang H. Gajjar	17	07	40
5.	Dr. Vaibhav B. Patel	22	14	113
6.	Dr. Maulik D. Vaja	39	16	287
7.	Ms. Sneha P. Dave	9	7	0
8.	Dr. Upasana M. Patel	8	2	2
9.	Ms. Shweta M. Bhadani	14	00	28
10.	Mr. Sanket S. Vyas	5	0	0
11.	Mr. Lalit P. Patel	0	0	0
12.	Mr. Ronak S. Patel	0	0	0
13.	Ms. Komal P. Patel	8	5	8
14.	Ms. Bhumika J. Limbachiya	0	0	0
15.	Ms. Krutika A. Poshia	4	4	2
16.	Ms. Ritu-Anilkumar	0	0	0
17.	Mr. Minesh A. Patel	20	20	3121
18.	Dr. Rani N. Vora	3	3	0
19.	Mr. Suraj J. Patil	10	06	33
20.	Mr. Devang B. Achary	0	0	0
21.	Ms. Riddhi G. Modh	1	2	0
22.	Ms. Megha P. Patel	0	0	0
23.	Ms. Nidhi J. Dharsandiya	0	0	0
24.	Ms. Prasadhdha N. Trivedi	0	0	0
25.	Dr. Bhakti M. Patel	1	1	0
26.	Ms. Neki J. Patel	0	0	0
27.	Mr. Jignesh R. Parmar	0	0	0
28.	Dr. Harshdeep R. Dabi	0	0	0
29.	Mr. Soyodur J. Rahman	11	4	44
30.	Dr. Aman S. Parashar	0	0	0
31.	Mr. Saurabh M. Khatri	0	0	0
32.	Ms. Kajal J. Suthar	0	0	0
33.	Ms. Bhoomi P. Soni	2	0	1
34.	Dr. Meet M. Thumbar	1	1	0
35.	Ms. Janvi Darshan Patel	0	0	0



Table: Book/Book Chapters published by the faculty members

Title of the book	Author	Year of Publication	ISBN
Tubercular Drug Delivery Systems: Advances in Treatment of Infectious Diseases: Volume II	Dhaval J. Patel Ankit B. Chaudhary	2023	ISBN 978-3-031-14100-3
A Text Book of Industrial Pharmacy	Minesh A. Patel	2023	ISBN: 978-81-19492-92-3
Malarial Drug Delivery Systems: Advances in Treatment of Infectious Diseases	Ankit B. Chaudhary	2023	ISBN: 978-3-031-15848-3
Documentation and regulatory writing	Maulikkumar D. Vaja	2023	ISBN: 9788195979882
Sustainable Approaches in Pharmaceutical Sciences, One	Maulikkumar D. Vaja	2023	Online ISBN: 9781119889878, Print ISBN: 9781119889847
A Textbook of Pharmacology - I	Madhuri D. Pandole	2023	ISBN: 978-93-6087-259-5
A text book of Pharma Marketing Management	Minesh A. Patel	2023	ISBN: 9788119492749
Pharmacological and Toxicological Screening Methods- II (MPL 202T)	Minesh A. Patel	2023	ISBN: 9788119492114
Textbook of Pharamcology – I	Sainika H. Kanzaria	2023	ISBN: 9788119517404
A textbook of Physical Pharmaceutics- I	Apexa M. Shah	2023	ISBN: 9788119908929
Physical Pharmaceutics for B. Pharm 2nd Year: A comprehensive Guide for Pharmacy	Apexa Shah	2023	ISBN: 9788119908929



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Students			
Novel therapeutic approaches for targeting Alzheimer's disease	Ankit B. Chaudhary	2023	ISBN: 978-0-443-13205-6
Multicomponent Synthesis	Maulikkumar D. Vaja	2024	eBook ISBN: 9783111386379 Hardcover ISBN: 9783111386317
A Comprehensive Textbook for Pharmaceutical Microbiology	Anandkumar K. Patel	2024	ISBN: 9788119908929
Drug Details: Cardiovascular and Respiratory system, Vol-I	Vaibhavkumar B. Patel	2024	ISBN: 978-81-964365-2-0
A Text book of Pharmacology-I	Minesh A. Patel	2024	ISBN: 9788197091001
Neuropharmacology: Study of the effects of Drugs on the Nervous System.	Minesh A. Patel	2024	ISBN No. 978-81-969600-5-6
A Comprehensive Textbook for Pharmaceutical Microbiology	Anandkumar K. Patel	2024	ISBN: 9789360874858
Frontiers in Pharmaceutical Sciences and Nursing Research	Madhuri Pandole	2024	ISBN: 9789394766730
Human Anatomy and Physiology II: A comprehensive Text book	Minesh A. Patel	2024	ISBN: 978-93-6087-455-1
Cancer Vaccination and Challenges Volume 1: Strategies for Therapeutic Cancer Vaccine Development	Dhaval J Patel Ankit B Chaudhary	2024	ISBN 9781003501718
Emerging Paradigms in Delivery Systems for Anti-tubercular Therapy	Priyanka Goswami	2025	ISBN: 978-0-443-24035-5

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Textbook of Pharmacology - II	Minesh A. Patel	2025	
Role of Gut Microbiota and Postbiotics for Colorectal Cancer, Advancing Therapeutics Strategies	Minesh A. Patel	2025	ISBN : 978-3-031-86064-5 ISSN: 2196-9906
Biomarker Landscape in Cancer Research, Volume 2	Krishna Vaghela	2025	ISBN : 978-0-443-33902-8
Processed Excipients in Advanced Drug Delivery	Dhaval J Patel	2025	ISBN: 9781779640048
Ovarian Cancer: Disease, Diagnosis, and Treatment.	Neha Raghani	2025	ISBN : 978-0443335365
Ovarian Cancer: Disease, Diagnosis, and Treatment.	Neha Raghani	2025	ISBN : 978-0443335365
Myasthenia Gravis	Neha Raghani	2025	ISBN : 978-0-443-36647-5
Brain Tumor Drug Development CUrrent Advances and Strategies - part 2	Vaibhavkumar Patel Dhaval J Patel	2025	ISBN: 979-8-89881-174-7
Reactive Oxygen Species in Metabolic Inflammation	Minesh A. Patel	2026	ISBN: 978-3-032-11754-0
Emerging Trends in Cancer Pharmacology From Molecular Targets to Personalized Medicine	Minesh A. Patel	2026	ISBN: 9780443315930
GPCR Dynamics: Unravelling the Complex Web of Signal Transduction	Vaibhavkumar Patel	2026	ISBN: 978-981-95-9080-3
Textbook of Medicinal Chemistry - III	Riddhi Modh	2026	ISBN: 978-93-7462-534-7



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Pathophysiology Decoded: Parkinsonism and movement disorders	Dr Meet M Thumbar	2026	ISBN: 978-93-5987- 354-1
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Table: Patents published by Faculty members

Sr No	Patent	Author	Date of Publication
1	Process for the preparation of Imidazolidine-2-Thione & Imidazole-2-Thione	Navneet F. Chauhan	03/04/2019
2	Stable Pharmaceutical Composition Comprising Entacopone	Dhaval J. Patel	10/04/2019
3	Furosemide Nanosuspension	Dhaval J. Patel	26/06/2019
4	Lozenge	Dhaval J. Patel	30/08/2019
5	A Novel Sustainable Water Purification Portable Device with TDS Measuring Display and Controller	Maulikkumar D. vaja Kaushik R. kamani Sohansing S. Vaghela	15/07/2022
6	A Novel Sustainable Water Purification Portable Device with TDS Measuring Display and Controller	Maulikkumar D. vaja Kaushik R. kamani Sohansing S. Vaghela	30/11/2022
7	A Polyherbal Hair Oil Formulation	Shweta Pandya	13/01/2023
8	A novel IoT-based hydrophone system for medical Tanacetum parthenium	Minesh A. Patel Maulikkumar D. vaja Heena A Chokshi Sejal D. Patel	02/05/2023
9	Portable Multilayer Tablet Punching Machine	Maulikkumar D. vaja	15/06/2023
10	Portable Mass Spectrophotometer for Analysis of Chemical Compounds	Navneet F. Chauhan	06/07/2023
11	T- Maze device for Detection of Locomotor activity in animals	Minesh A. Patel Maulikkumar D. vaja Heena A Chokshi	10/07/2023
12	Dissolution Apparatus For Tablets And Capsule Dosage Form	Upasana M. Patel Apexa M. Shah Sejal D. Patel Bhumika J. Limbachiya	19/07/2023



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13	Thermogravimetric analyzer (TGA) for measurement of Thermal stability of materials	Ankit B. Chaudahry Maulikkumar D. vaja Krutika A. Poshiya Komal P. Patel Sanketkumar S. Vyas	19/07/2023
14	Smart Dissolution Apparatus for Tablets & Capsules	Minesh A. Patel	31/07/2023
15	Modified reciprocating type Dissolution apparatus	Maulikkumar D. vaja	05/09/2023
16	Formulation development and phyto-pharmacological Screening of some polyherbal traditional indian Medicinal plants	Sandip N. Badeliya Sneha P. Dave	08/09/2023
17	Apparatus for Animal Tissue Preservation in Laboratories	Minesh A. Patel	13/08/2023
18	Laboratory water maze apparatus for monitoring Neurotoxic activity	Minesh A. Patel	16/08/2023
18	Nanotechnology Based Antimicrobial Bandage Dispensing	Minesh A. Patel	24/08/2023
19	Pharmaceutical Composition of Montelukast and Fluticasone for the Treatment of Asthma	Minesh A. Patel	26/08/2023
20	Device use for Different Broad-Spectrum Anti-biotics & Narrow-Spectru Antibiotics for Infecttious Patient	Minesh A. Patel	10/09/2023
21	Autoclave For Ultra- Clean Sterilization In Pharmaceutical Laboratories	Apexa M. Shah	25/09/2023
22	Basket type tablet dissolution Apparatus	Anandkumar K. Patel	27/09/2023
23	Laboratory percolation apparatus for extraction of herbal Drugs	Priyanka K. Goswami	12/10/2023
24	Apparatus for developing polyherbal formulation for Diabetic Neuropathy	Minesh A. Patel	12/10/2023
25	Device for Developing Polymeric Micelles for Drug Delivery	Apexa M. Shah	26/10/2023
26	Portable topical device for Estimation of ulcers in stomach	Minesh A. Patel	30/10/2023
27	Medical device for development of biodegradable polymeric nanocapsules	Anandkumar K. Patel	20/11/2023

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28	Automated Device for Detection of Defected Tablets	Anandkumar K. Patel Dhaval J. Patel	22/12/2023
29	Artificial Intelligence based Device for Prediction of Diabetes	Vaibhavkumar B. Patel	09/02/2024
30	Portable Apparatus For Peritoneal Dialysis	Ruchi Yadav	04/04/2024
31	Apparatus Used for Noninvasive Monitoring of hemoglobin In Blood	Madhuri Pandole	18/04/2024
32	Formulation and Characterization of In vitro and In vivo evaluation of floating drug delivery system of Nifedipine.	Minesh A. Patel	03/06/2024
33	Spray Drying Apparatus for coated tablets	Sanket Vyas	22/03/2024
34	Development, characterization and Pharmacological Evaluation of Xanthan gum based nano gel loaded with terbinafine & Clorteimazole.	Minesh A. Patel	
35	Spindle for dissolution Apparatus	Maulikkumar D. Vaja	19/07/2024
36	Portable RP-HPLC device for estimation of drugs in rat plasma protein	Krutika A. Poshiya	25/10/2024
37	Equipment for Lab Animal Research	Maulikkumar D. Vaja Heena Chokshi Dipak Patel Om Dixit Shubham savaliya Janak Jansari Fenil Patel	05/06/2025
38	A Method for evaluating the metal chelating antioxidant activity of apple cider vinegar	Maulikkumar D. Vaja	02/01/2026



Table: Faculties membership with professional bodies

Sr. No	Name of Faculty	Membership with Professional Body
	Dr. Ankit B. Chaudhary	ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA. ASSOCIATION OF PHARMACY PROFESIONALS. INDIAN DRUGS OF MANUFACTURES ASSOCIATION.
1	PROF. (DR.) MAULIKKUMAR D. VAJA	ROYAL SOCIETY OF CHEMISTRY. AMERICAN CHEMICAL SOCIETY, ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA, ASSOCIATION OF PHARMACY PROFESSIONAL
2	Patel Dhaval J	Association of Pharmaceutical Teachers of India. https://drive.google.com/open?id=1ODEKbRjL2zOsYQas51IME8P5mwUBpp7q
3	Dr.Sneha P. Dave	https://drive.google.com/open?id=1JsCJgVZFJQxNGNMIMEDrKvRdbr7LAb0d
4	Dr. Navneet F. Chauhan	Association of Pharmaceutical Teachers of India (APTI) https://drive.google.com/open?id=1d0r0CRZ5DI7I0EzGI4X6tJnyO157xiIe
5	MR. SANKET VYAS	APTI https://drive.google.com/open?id=1LQBrgL9BrDc71jY9kmYIm98TIh4JBtcB
6	Dr.Sneha P. Dave	https://drive.google.com/open?id=1JsCJgVZFJQxNGNMIMEDrKvRdbr7LAb0d



SPONSORED RESEARCH

Table: Summary of the research projects sanctioned in details project title, funding agency, amount and duration

Sr No	Name of Faculty/Mentor	Title of Project	Sanctioned amount	Funded By	Academic Year
1	Dr Dhaval Patel	Design and Development of dry suspension based in-situ gel of cefpodoxime proxetil	85000/-	GTU-SSIP	2018-19
2	Dr Kaushik B Kanada	Herbal Nasal Drops of Clitoria ternatea for Migraine	85000/-	GTU-SSIP	2018-19
3	Mr. Ravi R Thakar	Polyherbal Formulation for Mastitis	40,000/-	LMCP-SSIP Cell	2019-20
4	Dr Ankit B.Chaudhary	Synthesis of Key intermediate of Allopurinol using new route	1,00,000/-	LMCP-SSIP Cell	2019-20
5	Dr. Maulik D. Vaja, Dr. Ankit B. Chaudhary	Preparation of sugar-free products at low price from Stevia plant	35000/-	LMCP-SSIP Cell	2020-21
6	Dr Kaushik B Kanada	Development of Poly herbal tablet for menstrual disorders	75,000	LMCP-SSIP Cell	2021-22
7	Dr.Maulik D. Vaja, Dr. Ankit B.Chaudhary	Preparation of sugar-free products at low price from Stevia plant	75,000/-	LMCP-SSIP Cell	2022-23
8	Dr. Umang Gajjar	Formulation and Evaluation of Polyherbal blended Jam for paediatric and geriatric patients	40,000/-	SSIP, Sharda School of Pharmacy, Gandhinagar	2023-24
9	Ms. Gauravi Xavier	Development and Evaluation of Butterfly Blue pea Flower (Clitoria Ternatea) Gummies	40,000/-	SSIP, Sharda School of Pharmacy, Gandhinagar	2024-25
10	Ms.Krishna Vaghela, Dr. Manan Sharma	Development and Evaluation of polyherbal Chocolate	44,000/-	SSIP, Sharda School of	2024-25



		of prickly pear Fruit and Shatavari for postpartum woman as Hematinin and Lactating Agent		Pharmacy, Gandhinagar	
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CONSULTANCY RESEARCH

Table: Summary of the research projects sanctioned in details project title, funding agency, amount and duration

Sr No	Year	Name of Faculty	Title	Funding Agency	Sanction Amount
1	2023-2024	Dr. Navneet Chauhan Dr. Ankit Chaudhary	Synthesis of N-methyl-o-phenylenediamine by commercially viable process	Pramukh Pharmachem Pvt Ltd	2,25,000/-
2	2023-2024	Dr. Maulik Vaja Dr. Ankit Chaudhary	Preparation of intermediate of angiotension II receptor blockers (Sartans) by commercially viable process	Pramukh Pharmachem Pvt Ltd	2,25,000/-
3	2023-2024	Dr. Sandip Badeliya Dr. Ankit Chaudhary	Synthesis of 4-Nitro-3-methyl benzoic acid by commercially viable process.	Pramukh Pharmachem Pvt Ltd	2,25,000/-
4	2025-2026	Dr. Ankit Chaudhary, Dr. Maulik Vaja Mr. Soyodur Rahman	Synthesis of 7-chloro-1,2,3,4-tetrahydro-5H-1-benzazepin-5-one	Pramukh Pharmachem Pvt Ltd	2,50,000/-
5	2025-2026	Dr. Navneet Chauhan Dr. Ankit Chaudhary,	Preparation of Mebeverine HCI by commercially viable process	Pramukh Pharmachem Pvt Ltd	2,50,000/-
6	2025-2026	Dr. Maulik Vaja Mr. Suraj Patil	Synthesis of Veratic acid by commercially viable process	Pramukh Pharmachem Pvt Ltd	2,50,000/-
7	2025-2026	Dr. Ankit Chaudhary, Dr. Maulik Vaja Dr. Navneet Chauhan	Synthesis of Itopride HCI by commercially viable process	Pramukh Pharmachem Pvt Ltd	2,50,000/-



Central instrumental facility

The institute has central instrumentation facility spread over a 80Sq mt meant for faculty and students of departments. This lab is equipped with HPLC (Waters), HPLC (Younglin), UV Spectrophotometer-1600, UV Spectrophotometer-1800, Polarimeter, Fluorimeter, Nephelometer, Turbiditymeter, Colorimeters, Conductometers, pH meters, Karl-Fischer for water determination, Potentiometer, etc.

Animal House

The institute has facilities spread over an area of 80 sq mts. The facility abides by CPCSEA guideline and is regulated by IAEC no: 1161/ac/08/CPCSEA dated 27.03.2008.

Department level research lab

Every Department has specialized research lab for UG, PG and Pharm.D students equipped with sophisticated equipment like Dissolution apparatus, Sieve shaker, pH meter, Ball Mill, Homogenizer, Probe Ultrasonicator, Refrigerated Ultracentrifuge, Autoclave, Friability apparatus, Rota vapor, Electrophoresis, Auto-analyzer, RotaRod, Digital Analgesimeter, Cook's Pole climbing apparatus, BOD Incubator, Digital Photoactometer, Electroconvulsimeter, Orbital Shaker Incubator, Fermentor, Trinocular microscope, etc.

Instruction Materials

Every teacher needs supplies and resources in order to have a successful classroom. Instruction materials can really help to introduce new concepts to the students and assist them in attaining the course outcomes. The faculties have developed various instruction materials which includes digital notes and presentations. Several digital notes and presentations are uploaded by a faculty member on institute website (<http://www.sips.org.in/students-corner/>).

Course Plans – Course plan is an essential tool when designing any course. They add important structure to lesson planning and the delivery of instruction. They act as a guide for both the teacher and student; and can provide a valuable routine. Also, course plan works as a reference for colleagues, administrators, and accreditation agencies. It allows others to see what the teacher is doing in the course, and what is expected of the students.

Manuals – The students are provided with laboratory manuals to prepare themselves for the experiments in advance.



Working models/charts/monograms: - These will help the student conceptualize the learning objectives. The faculties have put in place array of charts and working models in the laboratory as well as standard operating procedures for the specific instrument for the facile comprehension of the concepts.

