

Sahyadri College of Pharmacy, Methwade, Sangola

Department of Pharmacognosy

Pharmacognosy is the study of medicines derived from natural sources. The American Society of Pharmacognosy defines Pharmacognosy as the study of the physical, chemical, biochemical and biological properties of drugs, drug substances or potential drugs or drug substances of natural origin as well as the search for new drugs from natural sources.

Department Staff:

Sr. No.	Name	Qualification	Designation
1.	Miss. Mujawar Mubina Ilahi	M. Pharmacy (Pharmacognosy)	Assistant Professor
2.	Miss. Kadam Ravati Khandu	M. Pharmacy (Pharmacognosy)	Assistant Professor

Objective:

- To emphasize on standardization of herbal medicine with respect to its morphological, microscopical and preliminary phytochemical investigation.
- Formulation and standardization of herbal formulation.
- Isolation and characterization of Phytopharmaceuticals.

List of Major Equipment

Sr. No.	List of Major Equipment	Sr. No.	List of Major Equipment
1	Conical Percolator	20	Digital Balance
2	Oven	21	Soxhelt apparatus

3	Microscope compound	22	Digital Balance
4	Medical Microscope	23	Oven
5	Electrical Water Bath 6 holes	24	Cleavenger Apparatus
6	Centrifugal Machine	25	Heating Mantle
7	Medical Microscope	26	Digital camera Portable-DC5A
8	Heating Mantle	27	Copper water bath
9	Projection Microscope	28	Autoclave
10	Muffle Furnace	29	Stage Micrometer
11	U.V. Chamber	30	Heating Mantle
12	Heating mantle	31	Polarized Microscope Labline
13	Distillation unit	32	Electric water Bath 12 Holes Inner S.S. Thermostatics Labline
14	Zone Reader	33	U.V. Cabinet
15	Incinerator burner	34	Stage Micrometer

16	Moistuer Balance	35	Muffle Furance
17	Lucus Moist chamber	36	Antibiotics Zone Reader
18	Stimulator	37	Digital Balance
19	Ocular micrometer	38	soxhelt apparatus

Department statistics:

- No. of Publications - 02
- No. of presentations – 02
- Various research papers were presented in National and International Conferences.

Ongoing Research Activities:

- Development & Evaluation of Polyherbal hair conditioner.
- Pharmacogenetic and Preliminary phytochemical investigation of phytopharmaceuticals.
- Investigation of anti-inflammatory, antimicrobial properties of herbal extracts.
- Novel drug delivery of herbal drugs.

Department Achievements:

- Our students displayed remarkable performance in GPAT 2022 exam: Kamble Ashwini Shivaji, Nanaware Dhanashri Madhukar & Sargar Monali Rajaram got qualified with good score.
- Creating YouTube channel for Pharmacognosy Practicals: B.Pharm Third Year students performing Pharmacognosy & Phytochemistry II Practical & uploaded on You tube channel.

Patents & Intellectual Property

1. Apparatus for Isolation and Separation of Herbal Drugs

Inventor: Prof. Mubina Ilahi Mujawar

Type: Design Patent

Design No.: 404978-001

2. IRILONE 4'-O-glucoside and Derivatives for Cancer Treatment

Inventor: Prof. Mubina Ilahi Mujawar

Type: Utility Patent

Patent Application No.: 202421030830A

Book Publications

Sr. No.	Title of the Book	Authors	Publisher	Format	Year	ISBN
1	Pharmacognosy as per PCI Syllabus for D. Pharmacy	Prof. Mubina Mujawar, Naziya Bagwan, Amruta Sonmale	Walnut Publication, Delhi	E-Book	2025	978-81-974408-7-4
2	Textbook of Pharmacy Law and Ethics as per ER 2020 for D. Pharmacy and B. Pharmacy	Prof. Mubina Mujawar	Pharma Carrier Publication, Nashik	Print	2023	978-93-6293-364-0

Book Chapters

Sr. No.	Title of Book Chapter	Authors	Book Title	Publisher	Year	ISBN
1	Aloe Vera: A Potential Herb and Its Medicinal Importance	Mubina Mujawar Devale Kajal, Kale Manisha, Pated Gurudevi,	<i>Medicinal Plants for the Management of Lifestyle Diseases, Vol. I</i>	Academic Decipher Press, Mumbai	2025	978-81-985004-3-4
2	Scutellaria Baicalensis: A Small Plant With Large Pro-Health Activities	Mubina Mujawar Diksha Jadhav, Amruta Bagal, Pratiksha Khatkale,	<i>Medicinal Plants for the Management of Lifestyle Diseases, Vol. I</i>	Academic Decipher Press, Mumbai	2025	978-81-985004-3-4
3	Amla: A Traditional Medicine With Modern Scientific Validation	Mubina Mujawar Anjali Shivaji Ghule, Sanjana Badade, Saniya Sawant,	<i>Medicinal Plants for the Management of Lifestyle Diseases, Vol. I</i>	Academic Decipher Press, Mumbai	2025	978-81-985004-3-4
4	Turmeric: The Golden	Mubina	<i>Medicinal Plants for the</i>	Academic	2025	978-81-

Sr. No.	Title of Book Chapter	Authors	Book Title	Publisher	Year	ISBN
	Healer	Mujawar Rutuja Chavan, Sakshi Kachare, Samruddhi Yadav,	<i>Management of Lifestyle Diseases, Vol. I</i>	Decipher Press, Mumbai		985004-3-4
5	Phytochemical Studies and Anticariogenic Activity of Folklore Plants	Mubina Mujawar , E. N. Gaviraj, S. P. Ghunaki	<i>Techno–Societal</i>	Springer Nature	2022	978-3-031-34647-7
6	Natural Colorectal Cancer Leads: Prospective from Leaf Extract of <i>Mirabilis jalapa</i> and <i>Borago officinalis</i>	Mubina Mujawar , Vishal Babar	<i>2nd International Conference on Innovations in Pharmaceutical, Life & Forensic Sciences: Bridging Classical Knowledge with Modern Technologies</i>	AkiNik Publication	2026	978-93-7150-485-0

Conference Proceedings

Sr. No.	Title of Conference Proceeding	Authors	Conference / Event	Publisher	Year	ISBN
1	Review on Gene Therapy Controversy	M. I. Mujawar S. U. Magade, S. S. Kalibag, D. G. Jadhav, P. A. Khatkale,	National Conference on Frontiers of Multidisciplinary Approaches in Life Sciences (NCFMALS–2025)	VYD Publisher	2025	978-81-984715-4-3
2	Phytochemical Studies and Anticariogenic Activity of Folklore Plants	Mubina Mujawar , E. N. Gaviraj, S. P. Ghunaki	Techno–Societal	Springer Nature	2022	978-3-031-34647-7
3	Natural Colorectal Cancer Leads: Perspectives from Leaf Extract of <i>Mirabilis jalapa</i>	Mubina Mujawar , Dr. Vishal Babar	2nd International Conference on “ Innovations in Pharmaceutical, Life & Forensic Sciences: Bridging Classical Knowledge with Modern Technologies ”	AkiNik Publication	2026	978-93-714-1

Awards & Recognition

Prof. Mubina Ilahi Mujawar has received the following recognitions:

- Best Academician Award – 2023
Dr. C. V. Raman Excellence in Education, IJAR SCT
- Bharat Gaurav Puraskar – 2024
KTK Outstanding Achievers Foundation, New Delhi
- 14 research/review publications,
- 2 books,
- book chapters, and
- 3 conference proceedings


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