



DR VITHALRAO VIKHE PATIL FOUNDATION'S

MEDICAL COLLEGE & HOSPITAL



DEPARTMENT OF PHARMACOLOGY

INFORMATION BOOKLET

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INTRODUCTION

Dr. Vithalrao Vikhe Patil Foundation's Medical College was established at Ahmednagar in 2004 under the outstanding leadership of Late Dr Balasaheb Vikhe Patil (Padmabhushan Awardee). Presently, institute has world-class infrastructure and provides high-quality medical education to students with the constant guidance and support of Hon. Namdar Radhakrishna Vikhe Patil, Chairman, Dr Vithalrao Vikhe Patil Foundation, Ahmednagar and Hon. Dr Sujay Radhakrishna Vikhe Patil, CEO, Dr. Vithalrao Vikhe Patil Foundation, Ahmednagar. The institute is recognized by the Medical Council of India, New Delhi and is affiliated to Maharashtra University of Health Sciences, Nashik.

The Department of Pharmacology was established in 2004 under the guidance of the eminent academician Dr. Dahat S. H. Since its inception, the department has steadily expanded in academic excellence, infrastructure, research and faculty strength. The department is presently headed by Dr. Kiran Vakade.

The department caters to undergraduate, nursing and physiotherapy students by providing competency based education in Pharmacology. The MBBS undergraduate intake has progressively increased from 100 to 200 students. The MD Pharmacology postgraduate programme, started in 2011, received National Medical Commission (formerly MCI) recognition in 2014.

The department is committed to promoting rational use of medicines, patient safety, evidence based therapeutics, pharmacovigilance, clinical research and ethical prescribing practices in accordance with the goals of the NMC Competency-Based Medical Education (CBME) Curriculum.

VISION MISSION

Vision

To develop the Department of Pharmacology as a Centre of Excellence in competency-based medical education, rational therapeutics, pharmacovigilance, clinical research and safe, ethical and evidence-based use of medicines, thereby contributing to quality patient care and improved community health.

Mission

- To impart competency-based knowledge of pharmacology, emphasizing pharmacokinetics, pharmacodynamics, pharmacotherapeutics, adverse drug reactions and rational prescribing.
- To develop practical competencies in the safe, effective, ethical and patient-centred use of medicines through integrated and competency-based learning.
- To develop competencies in prescription writing, dosage calculations, medication safety, adverse drug reaction reporting and pharmacovigilance.
- To promote vertical and horizontal integration with clinical disciplines in accordance with the NMC-CBME curriculum.
- To encourage undergraduate and faculty research in basic, clinical and community based pharmacology.
- To inculcate the principles of evidence-based medicine through critical interpretation of drug information and promotional literature.
- To strengthen awareness regarding National Health Programmes, essential medicines, antimicrobial stewardship and public health priorities.
- To prepare competent Indian Medical Graduates possessing the knowledge, skills, attitudes, values and professionalism expected under the NMC Competency-Based Medical Education curriculum.
- To continuously update teaching-learning methods by incorporating simulation-based learning, digital resources, self-directed learning (SDL), early clinical exposure (ECE), and competency-based assessment.

ROLE OF DEPARTMENT OF PHARMACOLOGY

Academics

- The department of Pharmacology was established in the year 2004.
- The department is involved in teaching activity to various courses like MBBS (U.G), Physiotherapy and Nursing.

For MBBS Students

- The goal of undergraduate teaching in Pharmacology is to develop competent Indian Medical Graduates with a sound understanding of pharmacological principles and the ability to apply rational, safe, ethical, evidence-based and patient-centred therapeutics in clinical practice through competency-based, integrated, and learner-centred education.
- The department follows the NMC Competency-Based Medical Education (CBME) curriculum by promoting horizontal and vertical integration with pre-clinical, para-clinical, and clinical disciplines through Early Clinical Exposure (ECE), small-group learning, Self-Directed Learning (SDL), case-based discussions and competency-based assessment.
- Students are encouraged to actively participate in teaching-learning activities through seminars, quizzes, group discussions, problem-based learning, case-based learning, journal appraisal and research activities, thereby fostering critical thinking, communication skills, teamwork and lifelong learning.

OBJECTIVES

- To achieve excellence in competency-based pharmacology education, research and patient oriented therapeutics.
- To develop graduates capable of rational, safe, ethical and evidence-based prescribing.
- To promote patient safety through medication safety initiatives and pharmacovigilance activities.
- To encourage interdisciplinary research addressing national and regional healthcare priorities.
- To support lifelong learning, professionalism, ethics and communication skills among learners.
- To contribute to quality healthcare through promotion of the rational use of medicines and continuous professional development.

ROLE OF DEPARTMENT

At the end of the course, it is the responsibility of the department that the student should be able to:

- Apply the principles of pharmacology to prescribe medicines rationally, safely, ethically, cost-effectively and in a patient-centred manner for common clinical conditions.
- Demonstrate competency in prescription writing, dosage calculations, medication safety, adverse drug reaction (ADR) reporting, pharmacovigilance and interpretation of drug information.
- Integrate pharmacological knowledge with clinical practice through evidence-based decision-making and effective participation in multidisciplinary healthcare.
- Understand and apply the principles of essential medicines, antimicrobial stewardship, National Health Programmes and public health initiatives in improving individual and community healthcare.
- Communicate effectively with patients, caregivers, healthcare professionals and the community regarding the safe and appropriate use of medicines, in accordance with the AETCOM competencies of the NMC CBME curriculum.
- Demonstrate professionalism, ethical prescribing practices, empathy and respect for socio-cultural, economic and environmental factors influencing patient care.
- Develop critical thinking, scientific inquiry and lifelong learning skills through self-directed learning, appraisal of drug information and appropriate use of digital resources and emerging technologies.

Allied Health Sciences

Teaching for Physiotherapy, Nursing and CCMP (Modern Pharmacology) courses is also done by the department and training is given on handling of various drugs on human organ systems.

CO & EXTRACURRICULAR ACTIVITIES

- We have been conducting Ganpati festival annually and having active participation for promoting overall personality development and inculcating social values of unity and leadership among undergraduate students.

- Short talks and discussions on various topics of teaching curriculum and sessions to update about recent drug updates and drug regulations are conducted to increase the zeal and as efficient learning modality.
- Role playing and case discussions to understand the minutes of clinical care.
- For overall development of personality the faculty members are themselves showing active involvement in sports and outdoor games and promoting the participation of students to promote a healthy balanced culture of study and sports.

INFRASTRUCTURE OF DEPARTMENT

Sr. No.	Specification	Area as per NMC norm
1.	Professor & HOD	40.79 Sq. Meters
2.	Associate Professor. – 1	22.28 Sq. Meters
3.	Associate Professor – 2	18.05 Sq. Meters
4.	Assistant Professor. – 1	16.52 Sq. Meters
5.	Assistant. professor – 2	16.69 Sq. Meters
6.	Assistant professor- 3	13.88 Sq. Meters
7.	Assistant professor -4	15.44 Sq. Meters
8.	Tutor 1 & 2	18.37 Sq. Meters
9.	Tutor 3 & 4	18.37 Sq. Meters
10.	Tutor 5	9.61 Sq. Meters
11	Tutor 6	10.23 Sq. Meters
12	Dept. Office	16.86 Sq. Meters
13	Museum	148.59 Sq. Meters
14	Clinical pharmacology	201.10 Sq. Meters
15	Research Lab	49.53 Sq. Meters
16	Skill Lab	318.66 Sq. Meters
17	Demonstration Room - I	123.12 Sq. Meters
18	Demonstration Room -II	123.12 Sq. Meters
19	Seminar Room/ Library	41.54 Sq. Meters
20	Computer Assisted Learning Lab	87.70 Sq. Meters
21	Non-Teaching Staff	12.00 Sq. Meters
22	Animal holding area	11.06 Sq. Meters

TEACHING STAFF LIST

Sr. No.	Name of the Faculty	AEBAS Attend ID	Medical Registration No. & Date	Professional Qualification (s)	Designation	Total Teaching Experience (Yrs)
1	Dr. Vakade K.P.	54663917	R. No. 2007/10/3600 Dated 19/10/2007	M.B.B.S., M.D.	Professor & Head	16.05 Years
2	Dr. Vijaykumar A.N.	32583672	NA	M.Sc., Ph.D	Professor	15.06 Years
3	Dr. Ms. Seshla Sadanandan	64079996	R. No. 2015/12/5372 Dated 18/12/2015	M.B.B.S., M.D.	Associate Professor	11.10 Years
4	Dr. Mujawar J.R.	06843601	NA	M.Sc. (Medical Pharmacology), Ph.D	Associate Professor	13.10 Years
5	Dr. Khade K.S.	45327029	R. No. 2007/10/3588 Dated 19/10/2007	M.B.B.S., M.D.	Associate Professor	14.06 Years
6	Dr. Salve B.A.	08077205	R. No. 2010/03/0337 Dated 09/03/2010	M.B.B.S., M.D.	Assistant Professor	09.03 Years
7	Dr. Darshan Dev	44842457	R. No. 2024/02/0843 Dated 21/02/2024	M.B.B.S., M.D.	Assistant Professor	04.03 Years
8	Dr. Shinde B.B.	71563063	R. No. 2008/08/3116 Dated 26/08/2008	M.B.B.S.	Senior Resident	05.03 Years
9	Dr. Kapse M.M.	81741800	R. No. 2012/04/1002 Dated 30/04/2012	M.B.B.S.	Senior Resident	05.04 Years
10	Dr. Kalamkar D.D.	82446355	R. No. 2015/05/2968 Dated 26/05/2015	M.B.B.S.	Senior Resident	05.05 Years
11	Dr. Ms. Kolhe K.R.	48596064	R. No. 2010/04/0890 Dated 06/04/2010	M.B.B.S.	Senior Resident	10.10 Years
12	Dr. Joshi A.R.	90436982	R. No. 2019/06/5001 Dated 19/06/2019	M.B.B.S., M.D.	Senior Resident	03.11 Years

13	Dr. Jaiswal S.S.	53427617	R. No. 2007/10/3548 Dated 12/10/2007	M.B.B.S.	Tutor	10.10 Years
14	Dr. Bairagi G.D.	94281909	R. No. 2008/08/2971 Dated 08/08/2008	M.B.B.S.	Tutor	10.10 Years
15	Dr. Ms. Tagad M.A.	23016033	NA	M.Sc. (Medical Pharmacology)	Tutor	04.05 Years
16	Dr. Mule V.D.	72357189	R. No. 2025/05/0235 4 Dated 06/05/2025	M.B.B.S.	Tutor	01.01 Years
17	Dr. Gholve S.S.	42340938	R. No. 2025/05/0234 3 Dated 06/05/2025	M.B.B.S.	Tutor	01.00 Years
18	Dr. Jadhav N.S.	45951905	R. No. 2025/05/0299 4 Dated 20/05/2025	M.B.B.S.	Tutor	0.03 Months

NON-TEACHING STAFF LIST

Sr. No.	Name of Staff	Designation
1	Mrs. Shraddha Jalindar Nirmal	Clerk
2	Bagul Laxmi	Attendant
3	Yashoda Yele	Attendant

HEADS OF DEPARTMENT WITH DURATION

NO	Name of Staff	From	To
1.	Dr. Dahat S.H.	05/05/2004	06/05/2008
2	Dr. Nayak B.B.	01 /12/ 2008	27/11/2018
3	Dr. Gade P. R.	28/11/2018	09/12/2021
4	Dr. Kiran Vakade	10/12/2021	Till date

DISTINCTIONS IN PHARMACOLOGY

Sr. No	Year	Name Of the Student	Secured marks	Total marks	Percentage
1.	2014	GANDHI NIRANJAN	114	150	76%
2.	2014	KANAKIYA APEKSHA	115	150	76.66%
3.	2015	GUPTA SHREYA	115	150	76.66%
4.	2015	KULKARNI NEHA	114	150	76%
5.	2015	MORE PRANOTI	114	150	76%
6.	2015	PHATAK AISHWARYA	114	150	76%
7.	2015	SALUNKE MAYUR	114	150	76%
8.	2016	HAKIM YUSUF	119	150	79.33%
9.	2017	DIXIT ASMITA	116	150	77.33%
10.	2017	GHOHARE MANASI	117	150	78%
11.	2018	BORHADE ROHAN VILAS	125	150	83.33%
12.	2018	KSHRISAGAR TRISHA ANAY	119	150	79.33%
13.	2018	PATIL MEHUL BHATUPRASAD	118	150	78.66%
14.	2018	CHAUDHARI DHANASHREE	117	150	78%
15.	2018	SAHANI VARSHA RAMJATAN	117	150	78%
16.	2018	GIDWANI SHIVANI SHAM	117	150	78%
17.	2018	CHAUDHARI PRANALI GANESH	114	150	76%
18.	2018	KAHALEKAR POOJA HEMAANT	113	150	75.3%

19.	2019	SISODIA GAYTRI MAHENDRA	124	150	82.66%
20.	2019	CHORDIA AAYUSH HEMANT	118	150	78.66%
21.	2019	BANUSHALI DHAWAL BHARAT	116	150	77.33%
22.	2019	SHAH KIRAN HITESH	115	150	76.66%
23.	2019	CHAVAN GAURI SHANKAR	114	150	76%
24.	2020	VAISHNAVI RAVI	124	150	82.66%
25.	2020	RYAN CHACKO SANTOSH	119	150	79.33%
26.	2020	DESHMUKH SARTHAK SANTOSH	118	150	78.66%
27.	2020	PATIL RUCHA RADHAKRISHNA	118	150	78.66%
28.	2020	YASH DHARMENDRA KENDRE	117	150	78%
29.	2020	TAKAWANK NAYAN UDDHAV	116	150	73.33%
30.	2020	CHOUDHARY MONICA MANGILAL	115	150	76.66%
31.	2020	JAIN KARUNA PRAMOD	115	150	76.66%
32.	2020	POTARE ANIRUDDHA SANTOSH	115	150	76.66%
33.	2020	RATHOD RITIKA VINOD	114	150	76%
34.	2020	SONAWANE SHANTANU CHANDRAKANT	114	150	76%
35.	2020	BHARDWAJ RIYA RAMAN	113	150	75.33%
36.	2020	NAIR KIRTI GIRISH	113	150	75.33%
37.	2020	PATIL UDAY SURESH	113	150	75.33%
38.	2022	PATIL AASTHA VAIBHAV	230	300	76.66 %
39.	2022	SAHETYA AISHWARYA MOHANKUMAR	227	300	75.66 %
40.	2022	POPALE SHUBHAM SATISH	226	300	75.33 %
41.	2023	KHEDKAR SHITAL RAJENDRA	242	300	80.66 %
42.	2023	AMLE VAISHNAVI ASHOK	237	300	79.00 %
43.	2023	SAYYAD NIMRA ASHFAQ PATEL	235	300	78.33 %

44	2023	GHODKE UTKARSHA DIGAMBAR	235	300	78.33 %
45	2023	BHALERAO OJAS ANAND	234	300	78.00 %
46	2023	MAHAJAN TILOTTAM KAMLESH	232	300	77.33 %
47	2023	ANSARI AFIFA BEGUM MOHD ABID	230	300	76.66 %
48	2023	JOSHI ONKAR GOVIND	229	300	76.33 %
49	2023	BAJPEYEE SEJAL ASHWINKUMAR	228	300	76.00 %
50	2023	WADGHANE SHRIRAM PASRASRAM	228	300	76.00 %
51	2023	ANDHALE OMKAR ANNASAHEB	227	300	75.66 %
52	2023	ATTAL PRERANA LAXMIKANT	227	300	75.66 %
53	2023	PATIL NAKSHATRA MILIND	227	300	75.66 %
54	2023	PATIL SHUBHAM BALASO	226	300	75.33 %
55	2023	SHAIKH SALMA SULTANA ABUSALLAM	226	300	75.33 %
56	2023	MAHURKAR PRATHAMESH SANJAY	225	300	75.00 %
57	2023	NAHAR DIYA BHATUKUMAR	225	300	75.00 %
58	2023	PALVE ADITYA VIJAY	225	300	75.00 %
59	2024	PATIL PRIYA BABURAO	240	300	80.00 %
60	2024	DHOTRE PALLAVI ASHOK	239	300	79.67 %
61	2024	KHARATE AKANKSHA PRAKASH	239	300	79.67 %
62	2024	PILLAI ABISHEK HARIKUMAR	238	300	79.33 %
63	2024	ZAGADE ARNAV GAHININATH	238	300	79.33 %
64	2024	SALUNKHE SWAPNALI HANMANT	236	300	78.67 %
65	2024	GODASE SARVESH SURENDRA	236	300	78.67 %
66	2024	ANANYA GYANENDRA CHAND KAUSHIK	235	300	78.33 %
67	2024	CHANDRA OUM KAMLESH	233	300	77.67 %
68	2024	MIHIR RITESH PATEL	233	300	77.67 %
69	2024	BANSOD SAIRAJ GAJANAN	232	300	77.33 %

70	2024	KARWA VEDANT ATUL	231	300	77.00 %
71	2024	KHAN NASIM INAMULLAH	231	300	77.00 %
72	2024	GUNJAL HARSH SANDEEP	230	300	76.67 %
73	2024	KANSARA HANNSAL TUSHAR	230	300	76.67 %
74	2024	BHATT PRACHI GAJENDRA	229	300	76.33 %
75	2024	MACHE ASHWINI BABASAHEB	228	300	76.00 %
76	2024	UPLENCHWAR AYUTA YOGESH	228	300	76.00 %
77	2024	KANTROD SANIYA RAKESH	227	300	75.67 %
78	2024	RAUT RIYA SANJAY	227	300	75.67 %
79	2024	UDAR AVANTIKA ZIBAL	227	300	75.67 %
80	2024	GUTAL PRATIK DADARAM	225	300	75.00 %
81	2024	KALYANKAR TEJASWINI SHANKARRAO	225	300	75.00 %
82	2024	KHETMALIS ADITYA SAHEBRAO	225	300	75.00 %
83	2024	NANDEDKAR SAKSHI SUHASRAO	225	300	75.00 %
84	2024	SALUNKE VAISHNAVEE PRADEEP	225	300	75.00 %
85	2025	BAVASKAR YASHASVI SHRIKRISHNA	242	300	80.66 %
86	2025	DHRUWIN PATEL	233	300	77.66 %
87	2025	BORA SAMRUDHI RAJENDRAKUMAR	230	300	76.66 %
88	2025	KANDOI SHREYA JAYPRAKASH	229	300	76.33 %
89	2025	SHEIKH SANIYA NAZIR HUSSAIN	229	300	76.33 %
90	2025	SHARAYU SUNIL CHAVHAN	225	300	75.00 %

INNOVATIVE TEACHING AND LEARNING METHOD

- Skill lab



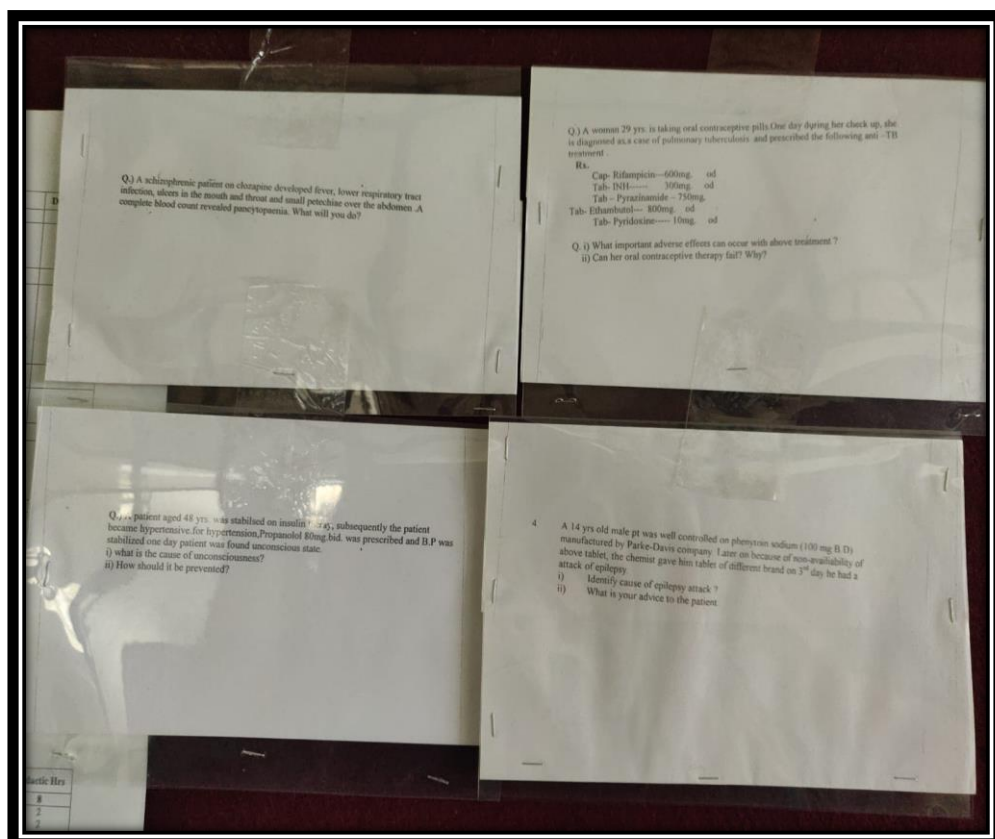
- Seminar



- Small group discussion



- Therapeutic problem discussion:



- Online education:



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Dr. Vijay Kumar Abhavathi

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☐		How to remove rat liver, kidney, spleen... Albino Rat Dissection	18+ only	Age-restricted	Nov 16, 2018 Published	6,588	9	79.7% 47 likes

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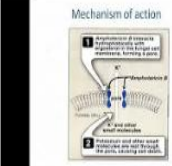
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Antifungal - 2

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22:03

Antifungal -1

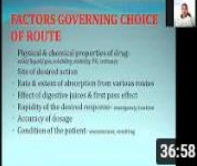
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ANAEMIA IN PREGNANCY

- Anaemia is also the most common indirect cause of maternal mortality
- Anaemia will worsen the capacity to tolerate blood loss.
- Most common type of anaemia in pregnancy is dimorphic anaemia, that is combination of vitamin B12 and Folic acid and iron deficiency anaemia.
- Vitamin B12 and Folic acid deficiency because of malnutrition and
- Iron deficiency anaemia -microcytic hypochromic anaemia
- Vitamin B12 deficiency causes megaloblastic or macrocytic anaemia
- Most common cause of anaemia is nutritional deficiency or malnutrition

Anaemia in Pregnancy explained in Marathi

72 views • Apr 18, 2021

4 DISLIKE SHARE SAVE ...

med lectures
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SUBSCRIBED

This video covers the explanation of Anaemia in pregnancy in Marathi. This video is created under the guidance of Dr. Kiran Vakade by Pratiksha Santosh Bhandari.

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CONGESTIVE HEART FAILURE

0:08 / 35:48

CONGESTIVE HEART FAILURE

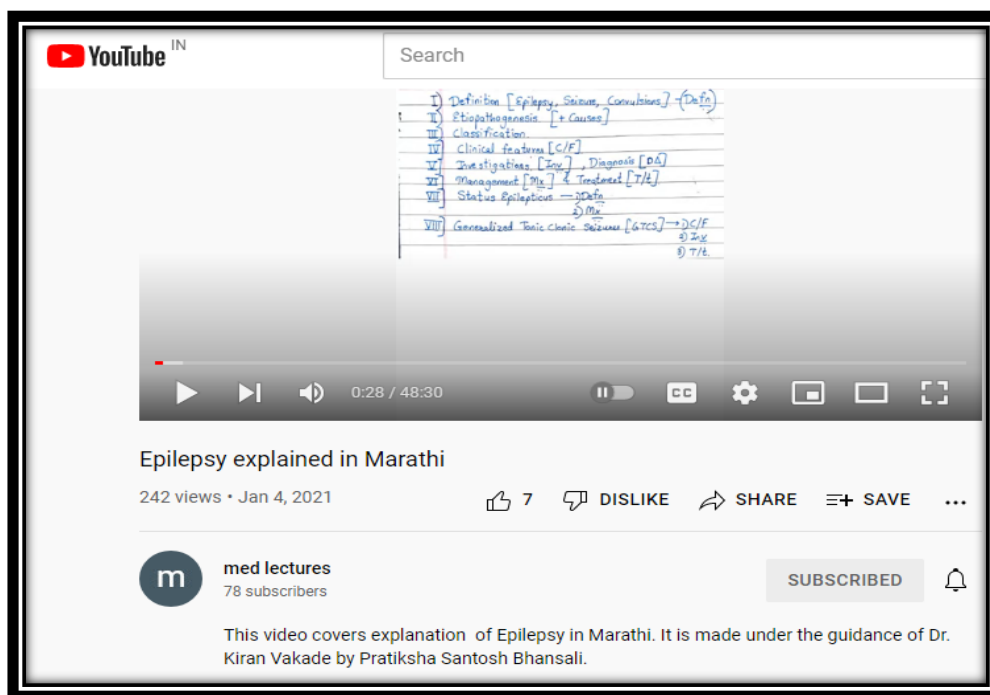
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1 DISLIKE SHARE SAVE ...

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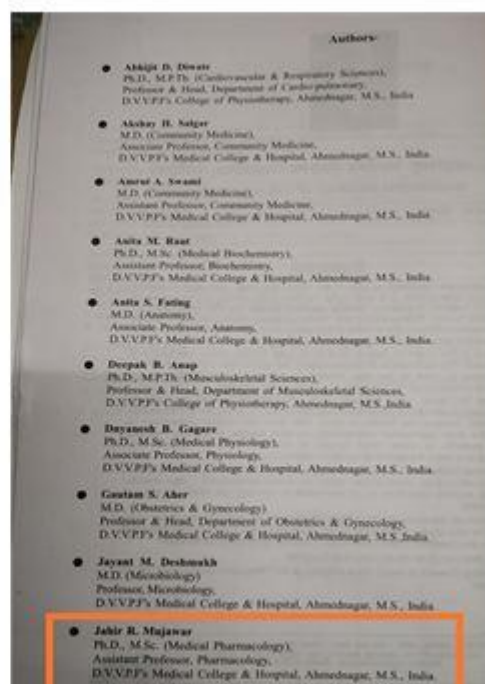
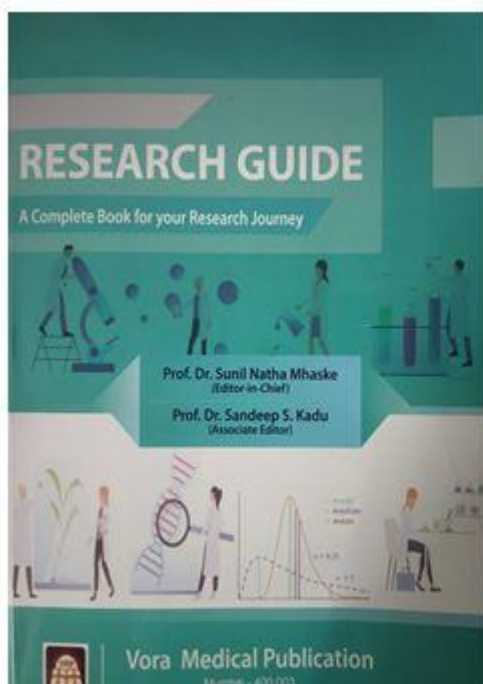
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CONGESTIVE HEART FAILURE in Marathi
by GAURAV VIJAYRAO DESHMUKH
under guidance of Dr. KIRAN VAKADE M.B.B.S. M.D. (PHARMACOLOGY)



BOOKS/CHAPTER CONTRIBUTED BY FACULTY

Name of the faculty	Dr. Jahir Mujawar
Topic/chapter	Ethical Issues in Medical Research
Book name	RESEARCH GUIDE : A Complete Book for your Research Journey 2020
Page Number	227-229
Publication	Vora Medical publication, Mumbai



PATENTS AND COPY RIGHT

Dr. Zahir Mujawar :



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details	
APPLICATION NUMBER	201721028766
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/10/2017
APPLICANT NAME	1 . 1) ZAHIR MUJAWAR 2 . 2) SATYAVAN SINGH PATEL 3 . 3) MANISH PURUSHOTTAM DESHMUCH
TITLE OF INVENTION	A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF OXIDATIVE STRESS IN PREGNANCY INDUCED HYPERTENSION AND PREECLAMPSIA
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	info@khuranaandkhurana.com
ADDITIONAL-EMAIL (As Per Record)	tarun@khuranaandkhurana.com
E-MAIL (UPDATED Online)	docket@khuranaandkhurana.com,info@khuranaandkhurana.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25/11/2019
PUBLICATION DATE (U/S 11A)	20/12/2019

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201721028766 A

(19) INDIA

(22) Date of filing of Application :13/10/2017

(43) Publication Date : 20/12/2019

(54) Title of the invention : A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF OXIDATIVE STRESS IN PREGNANCY INDUCED HYPERTENSION AND PREECLAMPSIA

(51) International classification	:A61K 36/00 A61K 8/00	(71)Name of Applicant : 1)1) ZAHIR MUJAWAR Address of Applicant :DATT MEGHE INSTITUTE OF MEDICAL SCIENCES (DEEMED UNIVERSITY), SAWANGI (MEGHE), WARDHA- 442 004, MAHARASHTRA, INDIA Maharashtra India
(31) Priority Document No	:NA	2)2) SATYAVAN SINGH PATEL
(32) Priority Date	:NA	3)3) MANISH PURUSHOTTAM DESHMUCH
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)1) ZAHIR MUJAWAR
Filing Date	:NA	2)2) SATYAVAN SINGH PATEL
(87) International Publication No	:NA	3)3) MANISH PURUSHOTTAM DESHMUCH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a composition to remedy the oxidative stress in pregnancy induced one or more of hypertension and preeclampsia. The present disclosure provides a synergistic pharmaceutical composition comprising one or more herbal ingredient selected from a processed leaves material of Ocimum sanctum and a processed roots material of Asparagus racemosus; an antioxidant; and one or more antihypertensive agent(s) selected from nifedipine and methyldopa.



No. of Pages : 50 No. of Claims : 15

STUDENTS RESEARCH

Name of the student	Topic	Guide
Mitali Binayake	An evaluation of knowledge, attitude and practice of pharmacovigilance among interns in a tertiary care teaching hospital of North Maharashtra	Dr. Kiran Vakade
Aayush Chordia	Drug utilization pattern for skin diseases in dermatology OPD at tertiary care hospital of western Maharashtra	Dr. Kiran Vakade



APPOINTMENTS AS JOURNAL EDITORIAL MEMBER

Name of the faculty	Name of journal
Dr. Kiran Vakade	International Journal of Research in Physiology and Pharmacology



Guest lecture/CME/Conference conducted by the department:

- **Maharashtra Pharmacologists conference 2012 conducted by department of Pharmacology on 13th and 14th July 2012**





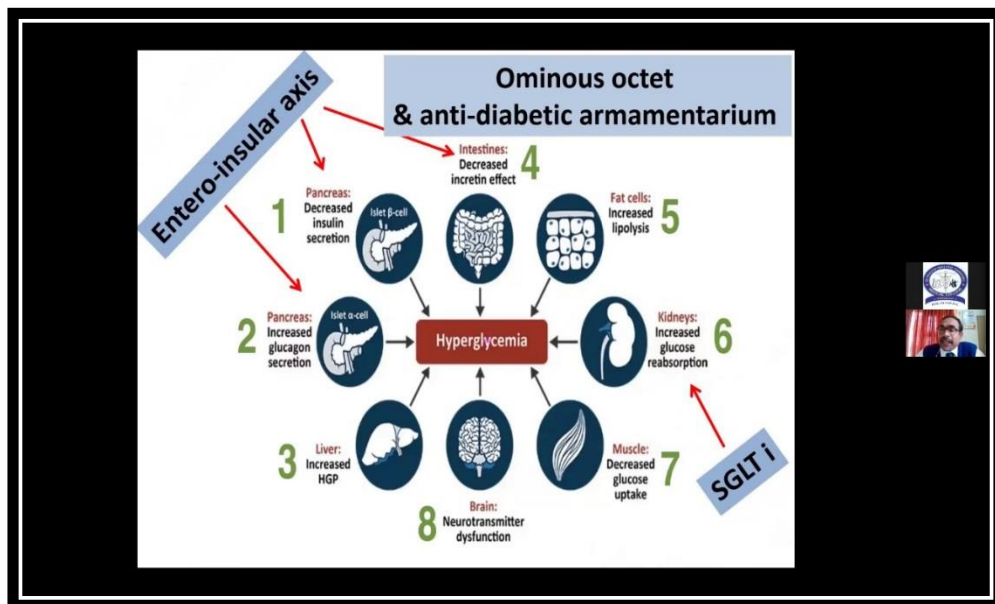
**Guest Lecture on “Guidelines in the Management of Tuberculosis” is delivered
By Dr. Sushilkumar Wakchaure on 02/06/2021**



- **Guest Lecture on Guidelines in the Management of Malaria delivered By Dr. Anil Sonawane on 12th August 2021**



- CPD (webinar) on “Current Guidelines for the management of Diabetes Mellitus” conducted on 24th August 2021



The Department of Pharmacology organized a guest lecture on "Pharmacology Awareness" on 22nd September 2022 by Dr. Shyamsundar Jadhav to create awareness about the importance of Pharmacology in clinical practice and healthcare.



The Department, in association with the Department of Forensic Medicine and Toxicology (FMT), observed International Overdose Awareness Day on 31st August 2022 through awareness programmes promoting overdose prevention, medication safety and responsible use of medicines.



CME on Innovations in the Management of Hypothyroidism and Hyperthyroidism- jointly organised by the Department of Pharmacology and Department of Community Medicine on 25th July 2025



CME on Innovations in the Management of Hypothyroidism and Hyperthyroidism- jointly organised by the Department of Pharmacology and Department of Community Medicine on 25th July 2025



The Department of Pharmacology organized a guest lecture titled "Pharmacovigilance: A Gateway to Careers in Drug Safety and Regulatory Sciences" on 23rd July 2025 by Dr. Shefali Adhikari to create awareness about career opportunities and recent advances in pharmacovigilance and regulatory sciences.



LIST OF PUBLICATIONS BY THE FACULTY OF PHARMACOLOGY

Sr. No.	NAME OF TOPIC	AUTHORS	JOURNAL	YEAR
1.	Estimation of Antispasmodic Potency of Dicyclomine in Comparison to Atropine on Isolated Rat Colon.	Vijay Kumar A N, Sudhakar Lakavath, S. Vijay Prasad, Nitin L. Kapure, Nagaraju Vanaparthi, Kondam Ambareesha	International Journal of Analytical, Pharmaceutical and Biomedical Sciences (IJAPBS)	2012
2.	Study of prescribing pattern of antimicrobial agents in an ipd of a tertiary care hospital in Ahmednagar.	Kapure NL, Nayak BB, Raul AR, Vijaykumar AN, Vijayprasad S, Vakade KP, Jadhav AR	Int J Med Res Health Sci	2014
3.	Comparative cardiovascular safety of risperidone and olanzapine, based on electrocardiographic parameters and blood pressure: A prospective open label observational study.	Balwant Choure	Indian Journal of Pharmacology	2014
4.	Drug utilization pattern in medical intensive care unit (micu) in a tertiary care teaching hospital in rural area of Maharashtra.	Nibrad V V, Nayak BB, Vakade KP, Jadhav AR, Vijay Kumar A.N	IJABPT	2015
5.	Acute effect of Fluconazole, Itraconazole and Voriconazole on blood glucose in normoglycemic &	Jadhav Amol, Nayak BB, Vakade Kiran P, Sanghishetti Vijay Prasad, Vijay Kumar A.N,	IJMRHS	2015

	diabetic rats: an experimental study.	Vrushali Nibrad, Raul AR		
6.	The effect of riluzole alone and in combination with sodium valproate on Pentylenetetrazole (PTZ) induced seizures in Swiss-Albino rats.	Jadhav Amol, Nayak BB, Vakade Kiran P, Sanghishetti Vijay Prasad, Vijay Kumar A.N, Vrushali Nibrad,	International Journal of Basic & Clinical Pharmacology	2015
7.	A study of prescribing pattern of drugs in patients of cardiovascular emergencies at a tertiary care hospital of Western Maharashtra.	Kiran P. Vakade, Vandana M. Thorat, Chitra C. Khanwelkar, Sujata A. Jadhav, Vijayprasad M. Sanghishetti.	International Journal of Research in Medical Sciences	2016
8.	An evaluation of knowledge, attitude and practice of Pharmacovigilance among interns in a tertiary care teaching hospital of North Maharashtra.	Kiran Prabhakar Vakade, Vijayaprasad M. Sangiseti, Mitali V. Binayke , Vijaykumar N. Abhavathi, Bana Bihari Nayak	International Journal of Basic & Clinical Pharmacology	2016
9.	Comparison of cardiovascular safety of escitalopram and sertraline based on electrocardiographic alterations: a Pharmacovigilance study	Balwant Choure	IJBCP	2016
10.	A comparative study of the effects of risperidone and olanzapine on metabolic parameters of schizophrenic	Balwant Choure	IJBCP	2016

	patients.			
11.	A randomized comparison between lercanidipine and amlodipine for efficacy and tolerability in patients with essential hypertension	Balwant Choure	IJBCP	2016
12.	Study of current prescribing pattern of antimicrobial drugs in indoor cases of enteric fever in a tertiary care hospital.	Balwant Choure	Int J Basic Clin Pharmacol	2016
13.	Circulating Biomarkers of Oxidative Stress in Preeclampsia and Effect of Herbal Antioxidant Asparagus Racemosus Supplementation	Jahir R. Mujawar, B. P. Kale, S.S. Patel	Journal Datta Meghe Insitutte of Medical Sciences (Indexed Copernicus	2016
14.	Circulating biomarkers of oxidative stress in preeclampsia and efficacy of antioxidant Vitamin C supplementation.	Jahir R Mujawar, and SS Patel.	Research Journal of Pharmaceutical, Biological and Chemical Sciences(Indexed Copernicus	2016
15.	Effective Obesity Control with Ayurvedic Medicines	A.N. Vijay Kumar Abin Mani Vijay Thawani	Indian Medical Gazette	2017
16.	Role of Selective β 1 Blockers on Vascular Inflammation and Atherosclerosis	A. N. Vijay Kumar, Vijay Thawani.	Indian Medical Gazette	2017
17.	Do Antidepressants Really Work?	A.N. Vijay Kumar, Vijay Thawani.	THE ANTISEPTIC	2018

18.	Digital Gaming is a Mental Illness Vol 115 No 9	A.N. Vijay Kumar, Vijay Thawani.	THE ANTISEPTIC	2018
19.	Influence of Eclipta Alba on serum alanine aminotransferase (alt) and Aaspartate aminotransferase (ast) activity in rabbits	Kale B.P and Mujawar Jahir Rauf	International Journal of Pharmacology Research (Indexed Copernicus)	2018
20.	Pharmacoeconomics of allergic rhinitis drugs treatment in tertiary care hospital.	Sanjeeva Kumar G.T, A. N. Vijay Kumar, Rahul Rajendra Kunkulol	IJBCP	2019
21.	Drug utilization pattern for skin diseases in dermatology OPD at tertiary care hospital of Western Maharashtra	Kiran Vakade Vishal A Indurkar , Aayush H Chordia	International Journal of Clinical and Biomedical Research (IJCBR)	2019
22.	Effect of Diabecon a multiherbal formulation on serum glucose level in alloxan induced diabetic rats	Nitin Kapure, Kiran Vakade, B. B. Nayak.	VIMS health sciences journal	2019
23	Effect of herbal combination of triphala and <i>Garcinia cambogia</i> extracts on liver function test and kidney function test in high fat diet induced obesity in rats	Vijay Kumar A. N.1*, Vijay Thawani2, Lal Hingorani3	International Journal of Basic & Clinical Pharmacology	2019
24	Differential diagnosis of covid - 19. Theantiseptic, ISSN 0003-5998. AUGUST	A.N. Vijay Kumar, Vijay Thawani	The antiseptic	2020
	Drug utilization study	Pratiksha Santosh	International	2022

25	of antihypertensive drugs in a tertiary care hospital of western maharashtra- a prospective cross-sectional study	Bhansali, Choure Balwant, Amrut Arun Swami, Gaurav Vijayrao Deshmukh, Kiran vakade and Manisha Tagad	journal of current medical and pharmaceutical research	
26	Evaluation Of Clinical Profile Of The Cases Of Acute Renal Failure In Adults At A Tertiary Level Hospital In Western Maharashtra, India.	Pramod R Gade, Shivnath N Parkhe, Balwant K Choure, and Jahir R Mujawar	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2022
27	Evaluation Of Clinical Profile Of The Cases Of Acute Renal Failure In Adults At A Tertiary Level Hospital In Western Maharashtra, India	Pramod R Gade, Shivnath N Parkhe, Balwant K Choure, and Jahir R Mujawar	Research Journal of Pharmaceutical, Biological and Chemical Sciences (Indexed Copernicus)	2022
28	Comparative Efficacy and Tolerability of Bisoprolol and Metoprolol in Patients with Stage-1 Hypertension: An Observational Study	A.N. Vijay Kumar ¹ , Yakaiah Vangoori ² and Sanjeeva Kumar Goud T3	European Journal of Cardiovascular Medicine (EJCM)	2025
29	Comparative Analysis of the Efficacy and Safety of Sitagliptin and Liraglutide in the Management of Type 2 Diabetes Mellitus: An Observational Study	Sanjeeva Kumar Goud T1, A. N. Vijay Kumar ² and Yakaiah Vangoori ³	Journal of Contemporary Clinical Practice	2025
30	Prevalence of Insomnia and Its Impact on Academic Performance among	Kashyap Prajapati ¹ , Seshla Sadanandan ² , Anoop Laxminarayan	American Journal of forensic psychology	2026

	Students: A Systematic Review	Hajare ³		
31	Drug Utilization Pattern In Hospitalised Patients With Acute Undifferentiated Febrile Illness At A Tertiary Care Teaching Hospital	Seshla Sadanandan ¹ , Shirsat Shriganesh Shivram ² , Satish Ramchandra Patil ³ ,	International Journal of Clinical and Biomedical Research	2026

PAPER AND POSTER PRESENTATION BY THE FACULTY

No	Title of the paper presentation	Presented at	Presented by
1.	Oxidation stress in PIH: Role of Shatavari and Tulsi	International Ayurveda Research Conference 2016	Dr. Jahir Mujawar
2.	Evaluation of the effect of herbal combination of Triphala extract and Garcinia cambogia extract in an experimental model of high fat diet induced obesity in rats	A conference of the Clinical Scientists on research in Basic Medical Sciences, 2019	Dr. Vijay Kumar
3.	Drug utilization study of antihypertensive drugs at a tertiary care Hospital	IRCON-2020 at GMC & Hospital, Aurangabad,	Dr. Pritpal Singh G Ahluwalia

NATIONAL / STATE / MUHS LEVEL APPOINTMENTS OF THE STAFF

Name of the staff	Appointments
Dr. Kiran Vakade	- Appointed as Editorial Member of International Journal of Research in Physiology and Pharmacology, since 10.5.2019 - Member of board of study for dental faculty, PIMS , Loni (2021-2023)

	• Appointed as Center observer for MUHS university examination • Appointed as Center Incharge for MUHS examination • Appointed as External examiner at various MUHS and other deemed universities practical examination. • Appointed as member secretary of IAEC by CPCSEA • Member of board of study for Pravara Institute of Medical Sciences, Loni (Medical)
Dr. Vijay Kumar	• Appointed as External examiner at various MUHS and other deemed universities practical examination. • Appointed as Center observer for MUHS university examination.
Dr. Seshla Sadanandan	• Appointed as External examiner at various MUHS and other deemed universities practical examination.
Dr. Jahir Mujawar	• Appointed as External examiner at various MUHS and other deemed universities practical examination. • Appointed as Center observer for MUHS university examination.
Dr. Khade K.S.	• Appointed as External examiner at various MUHS and other deemed universities practical examination.

ADDITIONAL QUALIFICATION OF STAFF

Name of the staff	Additional Qualification
Dr. Kiran Vakade	• Certificate Course in Evidence Based Diabetes Management (CCEBDM) • Certificate Course in Management of Thyroid disorder (CCMTD)
Dr. Vijay Kumar	• Doctor of Philosophy (Ph.D.) • Certificate Course: Basic Course in Biomedical Research (BCBR)
Dr. Seshla Sadanandan	• Certificate Course: Basic Course in Biomedical Research (BCBR) • Certificate Course: Professional diploma in Clinical research (PDCR) • Advance Certificate In Clinical Trial Monitoring
Dr. Jahir Mujawar	• Doctor of Philosophy (Ph.D.) • LLB • Fellowship in Embryology
Dr. Khade K.S.	• Certificate Course: Basic Course in Biomedical Research (BCBR)
Dr. Bharat Salve	• Certificate course in Advances in thyroid disorder Post Graduate Diploma in Clinical Endocrinology and Diabetes. • Certificate course “Mastercalss in Hypertension. • Post Graduate Diploma in Cardiology. • An Advanced course in ECG interpretation
Dr Joshi Akshay	• Certificate Course: Basic Course in Biomedical Research (BCBR)

CURRICULAR/CO-CURRICULAR/EXTRACURRICULAR ACHIEVEMENTS OF STAFF

Name of Faculty	Achievements
Dr. Kiran Vakade	• Certificate Course in Evidence Based Diabetes Management. • Certificate course in Management of thyroid disorders. • Member of BOS Dental Faculty PIMS Loni • Member Secretary of Institutional Animal Ethics Committee. • Publications: 5 • Quiz master: Pharma Quiz 2019. • Organizing National Research Conference. • Attended CISP workshop • Attended Basic MET workshop. • Worked as CI, CO for various MUHS examinations. • Sports Incharge : Antarang 2018 • Organizing CME/CPD programs. • CME speaker
Dr. A.N. Vijay Kumar	• Degree: Doctor of Philosophy (Ph.D) • Certificate Course: Basic Course in Biomedical Research (BCBR) • Basic Course in Medical Education (BCME) under MET • Attended Basic Research Methodology workshop • Appointed as Centre Observer for theory exams under MUHS Maharashtra • Appointed as committee member of the Rastriya Vyaoshri Yojana under DDRC Ahmednagar, Maharashtra. • Publications: 16 • Paper Presentation: 1 • Attended CISP-I & CISP-II workshops • Attended various online training related with COVID management • PGDCA certificate course in computer applications
Dr. Seshla Sadanandan	• PDCR course • Advance Certificate In Clinical Trial Monitoring • Pharmacovigilance training workshop • Therapeutic drug monitoring workshop • Certificate course BCBR • Publications: 14 • Attended Basic MET workshop. • Organizing CME/CPD programs

	• Third prize in Research competition organized by Research cell, DVVPF • First Prize in Oral Paper presentation, Teacher category, Monthly Research meet organized by Research cell, DVVPF
Dr. Jahir Mujawar	• Degree: Doctor of Philosophy (Ph.D) • Certificate course in good clinical practice • TESOL certificate course • International faculty position: - international school Jinan university Gaungzhou PR china - Medical college Wuhan university of science and technology • Co-Author: Research Guide , Vora Medical Publications • Paper Presentation 2 • Publications: 5
Dr. Bharat Salve	• Diploma in Diabetology (2014 - 2016). • Certificate Course In Management of Thyroid Disorders (CCMTD) • Gold medal winner in the examination conducted by United Diabetes Forum group in the First International Conference - "Challenges in Diabetes-2015" • Paper Presentation : 1 • Paper Publications: 3 • CME speaker
Dr. Darshan Dev	• Chief of Air Staff commendation for conducting mass casualty air evacuation exercise from Leh to Chandigarh (2017) • 2nd time Chief of Air Staff commendation for setting up 100-bedded Covid Care Centre at Tughlakhabad, Delhi (2021) • Primary course in Aviation Medicine at Institute of Aerospace Medicine, Bengaluru (2013) • Workshop on ‘animal experiments in drug discovery’ and ‘animal handling and experimental Pharmacology’ • First prize for oral presentation titled ‘An experimental study to investigate and compare the anti-depressant effects of Ashwagandha, Gingko biloba and Sertraline in male albino mice’ at AICON ‘24
Dr Joshi Akshay	• BCBR • BLS & ACLS

**RESOURCE PERSON/ FACULTY / GUEST SPEAKER FOR VARIOUS
CONFERENCES / SEMINAR/ WORKSHOP:**

Appointments as international faculty position:

Name of the faculty	Name of University
Dr. Jahir Mujawar	International School Jinan University, Guangzhou, China
Dr. Jahir Mujawar	Wuhan University of Science and Technology, Wuhan hubei, China

**RESOURCE PERSON/ FACULTY/ GUEST SPEAKER AT VARIOUS
WEBINARS:**

Date	Topic	Name of faculty
23/07/21	Gen. 2 Basal circuit breaker for the vicious cycle of hyper hypoglycemia	Dr. Bharat Salve
24/08/21	Antidiabetic drugs	Dr. Kiran Vakade
24/08/21	Various guidelines for the management of diabetes	Dr. Bharat Salve
14/09/21	Right Insulin Injection Technique	Dr. Bharat Salve
18/10/21	SGLT-2 inhibitor – A therapeutic option across the continuum of type 2 diabetes	Dr. Bharat Salve
19/ 11/21	Thyroid and Diabetes	Dr. Bharat Salve
26/03/24	GCP, BLS/ALS and GLP Certificate course	Dr. Kiran Vakade
26/03/24	GCP, BLS/ALS and GLP Certificate course	Dr Seshla Sadanandan
28/06/24	GCP, BLS/ALS and GLP Certificate course	Dr. Kiran Vakade

28/06/24	GCP, BLS/ALS and GLP Certificate course	Dr Seshla Sadanandan
28/06/24	GCP, BLS/ALS and GLP Certificate course	Dr. A.N.Vijay Kumar
18/09/24	Building ADR Reporting Culture for Patient Safety	Dr Seshla Sadanandan
Sept 2025	‘Rendezvous with antibiotics: a hands on workshop on PK-PD cornerstones’	Dr. Darshan Dev
November 2025	Artificial Intelligence in Medical Education	Dr. Darshan Dev
November 2025	Pre-conference workshop titled ‘Prescription in older adults- an Escape Room exercise’ as part of GERICON 2025- National Conference of the Indian Academy of Geriatrics at Armed Forces Medical College, Pune	Dr. Darshan Dev

FUTURE PLAN

- To strengthen competency-based medical education (CBME) by incorporating digital learning platforms, artificial intelligence enabled educational tools and competency based assessment strategies.
- To establish a Centre of Excellence in Clinical Pharmacology by expanding activities in pharmacovigilance, medication safety, therapeutic drug monitoring, pharmacoepidemiology, pharmacoeconomics and antimicrobial stewardship.
- To strengthen the institutional research ecosystem by promoting investigator initiated and collaborative clinical research, with the Department of Pharmacology playing a pivotal role in protocol development, scientific review, ethical conduct of research through the Institutional Ethics Committee (IEC), regulatory compliance and Good Clinical Practice (GCP).
- To facilitate the initiation and conduct of ethically compliant clinical trials at the institute by providing scientific, regulatory and pharmacological expertise in collaboration with clinical departments, research organizations and industry partners.
- To establish a Clinical Research and Regulatory Sciences Unit for training undergraduate students, postgraduate students, interns and faculty in clinical trial methodology, pharmacovigilance, regulatory affairs, research ethics and evidence based medicine.
- To strengthen interdisciplinary research by fostering collaborations with clinical, para-clinical and basic science departments for patient oriented research addressing regional and national healthcare priorities.
- To expand community outreach activities promoting rational use of medicines, antimicrobial stewardship, medication safety, ecopharmacology and public awareness regarding responsible use of drugs.
- To upgrade the departmental museum, skill laboratory and digital learning resources into an interactive competency based learning facility supporting simulation, prescription skills and clinical pharmacology training.
- To encourage faculty and student participation in funded research projects, national and international collaborations, publications and continuing professional development programmes.



INFORMATION BOOKLET

DR. VITHALRAO VIKHE PATIL FOUNDATION'S MEDICAL COLLEGE & HOSPITAL

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