

**Semester end report Jan- May 2020 AY 2019-20****Department of Pharmacology****Department Faculty-04**

Dr. Lokesh Bhatt, Dr.Kedar Prabhavalkar , Dr. Pravin Kale, Dr. Gaurav Doshi

This report summarizes the various activities of the Dept. of Pharmacology for of the academic year 2019-20 (July- May 2020).

**1. Academic activity**

- The faculty in the department took lectures and laboratory sessions as per their workload and timetable for the both semesters of AY 2019-20.
- Focus group sessions for slow learners and lateral students were conducted.
- Tutorials, quiz and assignments were taken.
- Student mentorship and career guidance activities were conducted on a need basis for both UG and PG students.
- The faculty actively conducted various examination related activities viz. University of Mumbai semester paper setting, paper correction, paper moderation, paper revaluation in addition to OSM of final year and M. Pharm examinations.

**Online teaching –learning during the COVID-19 lockdown period  
(March 17, 2020 – May 10, 2020)**

Faculty	Class	No. of Lectures	No. of Quiz/assignments	Research students work
Dr. Lokesh Bhatt	M. Pharm Sem II B. Pharm Sem IV, VIII	12	5 Quizzes 2 Assignments	5 Research/review paper submitted
Dr. Kedar Prabhavalkar				
Dr. Pravin Kale	SYBPharm Div A & B	1 hr	Nil	Nil
Dr. Gaurav Doshi	F.Y.B.Pharm (Div A & B)	10 Lectures	10 Quizzes 02 Assignments 01 Sessional Exam for Pathophysiology	1. Review and Finalization of Final Year UG research project report.



	F.Y.B.Pharm ( Div A & B)	Sessional Practical Exam	Synopsis and Viva	2. Checking draft of review of the paper submitted by F. Y. M Pharm students, finalization of the draft and planning to submit to the journal.
	T.Y.B.Pharm F.Y.M.Pharm (Pcology)	01 Lecture 01 Lecture	1 Assignment 01 Sessional Exam for Clinical Research and Pharmacovigilance	3. Zoom meetings with M.Pharm student for Research work

**Research activities****Publications-**

Faculty	Title of the paper/ Name of the journal/ Publication date/ Impact factor/books/book chapter
<b>Dr. Lokesh Bhatt</b>	<p>Papers</p> <ol style="list-style-type: none"> <li>1. Choudhary N, Gupta R, Bhatt LK. Anti-rheumatic activity of Phenethyl isothiocyanate via inhibition of histone deacetylase-1. Chem Biol Interact. 2020 Apr 11:109095 (Impact factor: 3.4)</li> <li>2. Kulwal V, Baxi K, Sawarkar SP, Bhatt LK. Colorectal Cancer Management by Herbal Drug-Based Nanocarriers: An Overview. Crit Rev Ther Drug Carrier Syst. 2020; 37(1): 65-104 (Impact factor: 2.9)</li> <li>3. Rahate K, Bhatt LK, Prabhavalkar KS. SERCA stimulation: A potential approach in therapeutics. Chem Biol Drug Des. 2020 Jan;95(1):5-15 (Impact factor: 2.1)</li> <li>4. Gangar K and Bhatt LK. Therapeutic targets for the treatment of comorbidities associated with epilepsy. Curr Mol Pharmacol; 2020;13(2):85-93. (Impact factor: 1.5)</li> <li>5. Gupta R, Bhatt LK, Momin M. Potent antitumor activity of Laccacid acid and Phenethyl isothiocyanate combination in colorectal cancer via dual inhibition of DNA methyltransferase-1 and Histone deacetylase-1. Toxicol Appl Pharmacol. 2019 Jun 19;377:114631 (Impact factor: 3.6)</li> <li>6. Gupta R, Bhatt LK. Combating Colorectal Cancer with Immunotherapy: Where we are? Drugs Today (Barc). 2019 Aug;55(8):513-528. (Impact factor: 1.0)</li> </ol>



	<p>7. Vijayakumar EC, Bhatt LK, Prabhavalkar KS. High Mobility Group Box-1 (HMGB1): A potential target in therapeutics. <i>Curr Drug Targets</i>. 2019;20(14):1474-1485 (Impact factor: 2.6)</p> <p>8. Gupta R, Bhatt LK, Johnston TP, Prabhavalkar KS. Colon cancer stem cells: Potential target for the treatment of colorectal cancer. <i>Cancer Biol Ther</i>. 2019;20(8):1068-1082. doi: 10.1080/15384047.2019.1599660. (Impact factor: 2.8)</p> <p>Book Chapter:</p> <p>1. Lokesh Bhatt. Atherosclerosis. In <i>Encyclopedia of Molecular Pharmacology</i>. Stefan Offermanns and Walter Rosenthal (Eds), Springer Nature 67383_0_En, (206-1)</p> <p>2. Book name: <i>Neurological Disorders and Imaging Physics</i>, Volume 5, Chapter 11 Title: Neuroimaging in Parkinson's disease</p>
<b>Dr. Kedar Prabhavalkar</b>	<p>1. Rahate K, Bhatt LK, Prabhavalkar KS. SERCA stimulation: A potential approach in therapeutics. <i>Chem Biol Drug Des</i>. 2020 Jan;95(1):5-15 (Impact factor: 2.1)</p> <p>2. Palwankar SM, <b>Kale PP</b>, Kadu PK, Prabhavalkar K. Assessment of Antidiabetic Activity of Combination of <i>Murraya koenigii</i> Leaves Extract and <i>Vitis vinifera</i> Seeds Extract in Alloxan-induced Diabetic Rats. <i>Journal of Reports in Pharmaceutical Sciences</i>. 2020. In Press</p> <p>3. Dhangar R, <b>Kale PP</b>, Kadu PK, Prabhavalkar K. Possible benefits of considering glutamate with melatonin or orexin or oxytocin as a combination approach in the treatment of anxiety. <i>Current Pharmacology Reports</i>. 2020;6:1-7.(I.f. 1.5)</p>
<b>Dr. Pravin Kale</b>	<p>1. Jaiswal M, <b>Kale PP</b>. Mini review- Vanadium induced neurotoxicity and possible targets. <i>Neurological Sciences</i>. 2020;41:763-768. (Impact factor 2.4)</p> <p>2. Palwankar SM, <b>Kale PP</b>, Kadu PK, Prabhavalkar K. Assessment of Antidiabetic Activity of Combination of <i>Murraya koenigii</i> Leaves Extract and <i>Vitis vinifera</i> Seeds Extract in Alloxan-induced Diabetic Rats. <i>Journal of Reports in Pharmaceutical Sciences</i>. 2020. In Press</p>



	<p>3. Dhangar R, <b>Kale PP</b>, Kadu PK, Prabhavalkar K. Possible benefits of considering glutamate with melatonin or orexin or oxytocin as a combination approach in the treatment of anxiety. <i>Current Pharmacology Reports</i>. 2020;6:1-7.(I.f. 1.5)</p> <p>4. John P, <b>Kale PP</b>. Prominence of oxidative stress in the management of Anti-tuberculosis drugs related hepatotoxicity. <i>Drug Metabolism Letters</i>. 2019; 13(2): 95-107. DOI: 10.2174/1872312813666190716155930]</p>
<b>Dr. Gaurav Doshi</b>	<p>1. Published paper entitled "Gas chromatography-mass spectrometry elucidation and antipsoriatic activity on developed herbal formulations from Carissa congesta, Catharanthus roseus, Annona squamosa and Polyalthia longifolia Plant Extracts" in "Pharmacognosy Research" April- June 2020, 12 (2) :163-168 (SCOPUS and PUBMED INDEXED, H Index: 25 and SJR Ranking: 0.50)</p> <p>2. One book of 5 Chapters accepted by Book Publisher International entitled "A Mini Guide LC-MS and GC-MS techniques: A tool for phytoconstituents evaluation of plant extracts"</p>

**Research projects sanctioned/submitted**

No. of govt. funded research projects submitted	= 03 (DST-SERB)
No. of govt. funded research projects granted	= 0
Industry consultancy	= 01 (VP Lyf-AP)
Govt. funded grant	= Rs. 0/-
Industry consultancy	= Rs. 1,01,480/-
<b>Total grant received</b>	<b>= Rs. 1,01,480/-</b>

Faculty	Title of the project	Name of the funding agency/PI/CI	Submission date/Outcome
<b>Dr. Lokesh Bhatt</b>	-	-	-
<b>Dr. Kedar Prabhavalkar</b>	Targeting glutamatergic system with orexin inhibitor	SERB-CI	10 <sup>th</sup> Feb 2020- Rejected



	or oxytocin in the treatment of anxiety.		
<b>Dr. Pravin Kale</b>	Targeting glutamatergic system with orexin inhibitor or oxytocin in the treatment of anxiety.	SERB-PI	10 <sup>th</sup> Feb 2020- Rejected
<b>Dr. Gaurav Doshi</b>	1. Two Projects initiated and submitted proposal. 1. Hepatoprotective activity. 2. Hypertensive activity 2. Applied for Skill Development Programme Proposal for Clinical Research Associate (CRA) Course	Ethno Medicinal Research Centre, FEEDS Campus, Manipur.  [Ref. no. RGSTC/File-2015/CR-33] on 03/03/2020.	Under review  Under Review

**Conferences/Seminars/Workshops/FDP organized /attended**

Faculty	Name of the event	Presented	Organized/ Attended	Dates
<b>Dr. Lokesh Bhatt</b>	1. One-week online skill development workshop on scientific writing		Attended	April 21-30, 2020
	2. Three days online workshop on communication skills: Express to impress organised by SVKM's BNCP,		Attended	April 23-25, 2020
	3. Industry lecture sessions organized by SVKM's Dr. BNCP		Attended	April 24, 30, May 9, 16 and 23, 2020



<b>Dr. Kedar Prabhavalkar</b>	<ol style="list-style-type: none"><li>1. One-week online skill development workshop on scientific writing</li><li>2. Three days online workshop on communication skills: Express to impress organised by SVKM's BNCP,</li><li>3. Industry lecture sessions organized by SVKM's Dr. BNCP</li></ol>		Attended  Attended  Attended	April 21-30, 2020  April 23-25, 2020  April 24, 30, May 9, 16 and 23, 2020
<b>Dr. Pravin Kale</b>	<ol style="list-style-type: none"><li>1. One-week online skill development workshop on scientific writing</li><li>2. Three days online workshop on communication skills: Express to impress organised by SVKM's BNCP,</li><li>3. Industry lecture sessions organized by SVKM's Dr. BNCP</li></ol>		Attended  Organised  Attended	April 21-30, 2020  April 23-25, 2020  April 24, 30, May 9, 16 and 23, 2020



<b>Dr. Doshi</b>	<b>Gaurav</b>	1. National level one Webinar on Google Classroom by Dr. Anwar Shaikh, Speaker, Jointly organized by Knowledge Publications and Chemtoons conducted on YouTube Channel.		Attended	April 18, 2020
		2. One-week online skill development workshop on scientific writing		Attended	April 21-30, 2020.
		3. Three days online workshop on communication skills: Express to impress organised by SVKM's BNCP		Attended	April 23-25, 2020
		4. Three days Lecture series on "Education 4.0" by Atharva College of Engineering, Malad West.		Attended	April 28-30, 2020
		5. Industry lecture sessions organized by SVKM's Dr. BNCP		Attended	April 24, 30, May 9, 16 and 23, 2020
		6. One Week Online Faculty Development on "Climbing the Ladder of Education System Through Innovation & E-Learning Tools	Organized	Attended	May 4-9, 2020
		7. NAAC: Systematic Data Organization and Presentation by Vidya lankar Institute of Technology (VIT), Mumbai.		Attended	May 16, 2020
		8. Teaching Practical with Virtual lab: Lt Platform by Prin. K.M		Attended	May 20, 2020



	<p>Kundnani College of Pharmacy.</p> <p>9. One day National Seminar organized by IQAC &amp; Library by S.P.Mandali's Ramnarain Ruia Autonomous College, Mumbai</p> <p>10. Three day workshop on Research methodology, Statistical testing and data analysis using MS Excel by Tilak College of Science and Commerce, Vashi.</p> <p>11. National level webinar on Creating Educational videos by Dr. Anwar Shaikh in association with Knowledge Publications.</p> <p>12. National level webinar on "How to create Educational Videos "by Dr. Anwar Shaikh in association with Knowledge Publication</p> <p>13. Faculty Development Program (AICTE and PCI approved course) on Effective use of ICT tools in offline to online education transition by Sanjivani College of Pharmaceutical Education and Research, Kopergaon.</p>		<p>Attended</p> <p>Attended</p> <p>Attended</p> <p>Attended</p> <p>Attended</p>	<p>May 21, 2020</p> <p>May 18-20, 2020</p> <p>May 10, 2020</p> <p>May 24, 2020</p> <p>May 30-06<sup>th</sup> June, 2020</p>
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	<p>14. Completed One week Online Faculty Development Program on "Entrepreneurship, Innovation &amp; IPR: A Way Towards Being Successful Professionals" by Anjuman-I-Islam's Kalsekar Technical Campus, School of Pharmacy, New Panvel in collaboration with Patlex Business Solutions, India</p>		Attended	10 <sup>th</sup> -16 <sup>th</sup> June, 2020
	<p>15. Completed One week Online Faculty Development Program on" (One Week FDP/SDP) 4th Global Webinar Series – COVID-19, Global Entrepreneurship, Start-up, Career Opportunities in Pharmacy. Konkan Gyanpeeth Rahul Dharkar College of Pharmacy &amp; Research Institute, Karjat.</p>		Attended	18 <sup>th</sup> -24 <sup>th</sup> June 2020
	<p>16. Completed One week Online Faculty Development Program on" One-week Online Faculty Development Programme on 'Anti-Infective Discovery and Development' by Dr. Bhanuben Nanavati College of Pharmacy, Mumbai</p>		Attended	22 <sup>nd</sup> - 27 <sup>th</sup> June 2020
	<p>17. Completed Two weeks Faculty</p>		Attended	



	<p>Development Programme on Emerging Trends in Pharmaceutical Sciences at H.K College of Pharmacy, Mumbai.</p> <p>18. Participated in SVKM and Industry Sponsored Faculty Development programme on "Pharmaceutical Analysis-Zooming in through the Industry lens"</p>		Attended	<p>25<sup>th</sup> November-7<sup>th</sup> December 2019</p> <p>1<sup>st</sup>- 7<sup>th</sup> July, 2019.</p>
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**Extra-academic/ Extra-curricular activity**

Faculty	Activity details with dates
<b>Dr. Lokesh Bhatt</b>	<ol style="list-style-type: none"><li>1. Involved in AICTE affiliation work</li><li>2. Member of PAC committee</li><li>3. Member of NAAC committee</li></ol>
<b>Dr. Kedar Prabhavalkar</b>	<ol style="list-style-type: none"><li>1. Alumni committee</li><li>2. Class teacher B. Pharm Third year</li></ol>
<b>Dr. Pravin Kale</b>	DLLE in-charge Sports committee member
<b>Dr. Gaurav Doshi</b>	<ol style="list-style-type: none"><li>1. Part of the Department Workshop on "Laboratory Animal Care and Basic research Techniques Workshop" conducted on 27.07.19.</li><li>2. Scientific Committee member for "DST Sponsored QbD Seminar" held on 28th -29th August 2019 at SVKM's Dr. Bhanuben Nanavati College of Pharmacy.</li><li>3. Involved in AICTE- CII 2019 data compilation, filling and uploading on 24-08-2019.</li><li>4. Organizing Committee member for 5th SRR Foundation Year-Meeting on "Recent Advances in Radiopharmaceuticals to Overcome Challenges in Cancer Diagnosis and Therapy" held on 19th October 2019</li><li>5. Staff editor for college magazine "Quest 2020"</li></ol>



	<p>6. Organized the Zonal Center Program, a three days workshop on Nanodrug delivery systems and techniques in collaboration with MakeIntern, IIT Shastra and Mood Indigo, IIT Bombay at our institute, February 15-17, 2020.</p> <p>7. Organized industry expert lectures as part of team member with following details by exploring contacts for faculty and students via Microsoft team app on line sessions:</p> <p>A. Dr. Ganesh Divekar, Head Clinical Operations, Siro Clinpharma Pvt. Ltd for Topic on “Trends in Clinical Research and Career Prospects” on Saturday, 09. 05.2020 From 11:00 am to 12 noon.</p> <p>B. Dr. AKS Rawat, Executive Director, Ethno-medicine Research Centre (DST support) and Former, Scientist &amp; Head Pharmacognosy &amp; Ethno pharmacology Division, CSIR-National Botanical Research Institute for topic on “Overview of Development of scientifically validated herbal medicine/ Nutraceuticals based on traditional knowledge and Regulatory aspect” on Saturday, 09. 05.2020 From 3 to 4:30 PM.</p> <p>C. Dr. Suneela Thatte, Vice President &amp; Head, R &amp; D Solutions, IQVIA (Quintiles Research India Pvt. Ltd), India for topic on “Career opportunities in Clinical Research field” on Saturday, 16.05.2020 From 3 to 4 PM.</p> <p>5. Involved in Criteria 2 of the NAAC.</p> <p>6. ACG visit with S.Y.M. Pharm on 17.98.19.</p> <p>7. Electro lab Visit as part of FDP programme on 03.12.19.</p>
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**SWAYAM/MOOCs/Coursera online courses**

<b>Faculty</b>	<b>Course details with dates and result</b>
<b>Dr. Lokesh Bhatt</b>	1. Completed Coursera Course on Introduction to Biology of Cancer, 6 weeks, Johns Hopkins University
<b>Dr. Kedar Prabhavalkar</b>	
<b>Dr. Pravin Kale</b>	Completed Coursera Course on Introduction to Biology of Cancer, 6 weeks, Johns Hopkins University
<b>Dr. Gaurav Doshi</b>	<b>COMPLETED</b>



1. Intellectual Property Rights (8 Wks., AICTE FDP Course)- **76%** - [ **Elite class with silver medal**]
2. Patent Draft for the beginners (4 Wks., AICTE FDP Course)- **60%** [ **Elite class**]
3. Soft Skills and Personality Development (8 Wks., AICTE FDP Course)- **83%** - [ **Elite class with silver medal**]
4. Functional Genomics (4 Wks., AICTE FDP Course)- **62%** [ **Elite class**]
5. Academic Writing (15 Wks., UGC MOOC)- **95 %**
6. Completed the 12 weeks SWAYAM-ARPIT course “Refresher Course In Pharmacy for Higher Education”.  
(**Scored 67 %**)
7. Completed Coursera Course on Introduction to Biology of Cancer, 6 weeks, Johns Hopkins University with **81 % (Honors certificate)**.
8. Completed Coursera Course on Anatomy: Gastrointestinal, Reproductive and Endocrine System, 5 weeks, Johns Hopkins University with **96 %**.
9. Completed Coursera Course on Antimicrobial Resistance: Theory and methods, 5 weeks, Technical University of Denmark (DTU) with **71 %**.
10. Completed Coursera Course on Bio hacking your Brain health, 4 weeks, Emory University with **88 %**.
11. Completed Coursera Course on Epidemics - the Dynamics of Infectious Diseases, 5 weeks, Pennsylvania State University with **83 %**.
12. Completed Coursera Course on Performance Assessment of Virtual



	<p>Classroom, 5 weeks, University of California with <b>86 %</b>.</p> <p>13. Completed Coursera Course on Learn to Teach online Classroom, 5 weeks, University of South Wales with <b>76 %</b>.</p> <p>14. Completed Coursera Course on Cancer Prevention Web Based Activity, 1 week, University of Virginia with <b>100 %</b>.</p> <p>15. Completed for the course <b>Traditional and Herbal Medicine in supportive care online Technion- Israel Institute of Technology (Completed 93 %)</b></p> <p>16. Completed Coursera Project network on Google Docs (<b>100 %</b>)</p> <p>17. Completed online Course with exam on Introduction to Collecting and Reporting Adverse Events, Short Term Certificate Course by Global Health Training Centre with <b>92 %</b>.</p> <p>18. Completed online Course with exam on Introduction to Clinical Research, Short Term Certificate Course by Global Health Training Centre with <b>100 %</b>.</p> <p><b>ONGOING</b></p> <p>1. Ongoing Cell culture technologies, SWAYAM-NPTEL, Final Exam delayed due to COVID -19.</p> <p>2. Ongoing AICTE-NITTT Module 3- Communication skills, modes and knowledge dissemination. Final Exam delayed due to COVID -19.</p>
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**Faculty awards**

Faculty	Details with dates
Dr. Lokesh Bhatt	Nil



<b>Dr. Kedar Prabhavalkar</b>	Nil
<b>Dr. Pravin Kale</b>	Nil
<b>Dr. Gaurav Doshi</b>	<ol style="list-style-type: none"><li>1. Awarded Certificate of Merit for Best Research Project - Faculty by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 19th Feb. 2020 for Research Writing Competition 2019-2020.</li><li>2. Awarded Certificate of Appreciation by NPTEL as "NPTEL BELIEVER" for completing four courses from July to Dec. 2019.</li><li>3. Awarded Certificate of Appreciation for Make Intern Zonal Championship at IIT Bombay for Leading, guiding &amp; managing Zonal Centre Program on Nano Drugs Delivery System/Techniques conducted by Entrepreneurship Development Cell held from 15th to 17th Feb. 2020 at SVKM's Dr. Bhanuben Nanavati College of Pharmacy.</li></ol>

**Faculty outside world interaction**

<b>Faculty</b>	<b>Details with dates</b>
<b>Dr. Lokesh Bhatt</b>	Thesis advisory committee member, attended related meeting for PhD Scholar at SPP SPTM, SVKM'S NMIMS Mumbai on 18/05/2020 Thesis advisory committee member, attended related meeting for PhD Scholar at SPP SPTM, SVKM'S NMIMS Mumbai on 20/05/2020 Thesis advisory committee member, attended related meeting for PhD Scholar at SPP SPTM, SVKM'S NMIMS Mumbai on 21/05/2020
<b>Dr. Kedar Prabhavalkar</b>	-
<b>Dr. Pravin Kale</b>	As thesis advisory committee member, attended related meeting for PhD Scholar at SPP SPTM, SVKM'S NMIMS Mumbai on 20/05/2020
<b>Dr. Gaurav Doshi</b>	<ol style="list-style-type: none"><li>1. Appointed as Judge for State Level e- Poster at D.Y Patil School of Pharmacy, Nerul Mumbai on 04-01-2020.</li><li>2. Appointed as Paper Setter for HAP –II theory (F.Y.B.Pharm, PCI) at D.Y Patil School of Pharmacy, Nerul, Navi Mumbai.</li></ol>



3. Part of Syllabus Committee meeting held at Viva Institute of Pharmacy & Subject expert for F.Y. B. Pharm Sem.II: Human Anatomy Physiology -II (PCI), Remedial biology Theory and Practicals.
4. Part of Syllabus Committee meeting held at BNCP college for F.Y. M. Pharm Sem.I: Cellular and Molecular Biology.

**SVKM Management support (Faculty welfare/appreciation)**

Faculty	Conference/ Workshop/Seminar support (Rs)	Research/ incentive (Rs)	Publication
Dr. Lokesh Bhatt	6000/-	20000/-	
Dr. Kedar Prabhavalkar	-	6000/-	
Dr. Pravin Kale	Nil	Nil	
Dr. Gaurav Doshi	Nil	Nil	

**Google scholar citations till May 31, 2020**

Faculty	Google scholar citations
Dr. Lokesh Bhatt	446
Dr. Kedar Prabhavalkar	130
Dr. Pravin Kale	70
Dr. Gaurav Doshi	262

**Research activity summary**

Research head	Number
Research projects sanctioned	-
Research projects submitted	1
Industry consultancy	1



Shri Vile Parle Kelavani Mandal's

## Dr. Bhanuben Nanavati College of Pharmacy

Gate No. 1, Mithibai College Campus, First Floor, V.M. Road, Vile Parle (W), Mumbai- 400 056



Tel. 022-42332052/26134557, Fax. 022-26132905, E-mail: dr.bnncp@gmail.com, Web: www.bnncp.ac.in

Total grant	1,01,480/-
Publications	10
Total impact factor of dept.	13.8
Books/book chapters	2
Patent (provisional) applied	-

Prepared by

Dr. Lokesh Bhatt  
Associate Professor & HOD  
Dept. of Pharmacology  
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