



Shri Vile Parle Kelavani Mandal's

Dr. Bhanuben Nanavati College of Pharmacy

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

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Annual report of the Department of Pharmaceutics

Academic Year 2017- 2018 (July2017- June2018)

Faculty

Dr. Munira Momin, Dr. Sujata Sawarkar, Mrs. Padmini Ravikumar, Dr. Pramod Kadu, Dr. Prabha Singh, Dr. Meenal Rane, Dr. Pramila Chaubey

This annual report illustrates the various activities of the Dept. of Pharmaceutics for the Academic Year 2017-18.

1. Academic activity

- Theory lectures and laboratory sessions were taken as per the assigned workload and timetable for the AY 2017-18.
- Dr. Prabha Singh and Dr. Meenal Rane were actively involved in coordination activities for Final Year and Second Year B.Pharm students being their class teachers.
- Faculty conducted tutorials, quiz and assignments to assess the student understanding of the coursework.
- Student mentorship and career guidance activities were conducted on a need basis for both the UG and PG students.
- The faculty actively conducted various examination related activities viz. University of Mumbai paper setting, paper correction, paper moderation, paper revaluation.
- Mrs. Padmini Ravikumar along with class teachers coordinated for examination activities for smooth conduct of exams and assessment of answer books and declaration of results and its analysis.
- Dr. Munira Momin and Dr. Sujata Sawarkar have been appointed by University of Mumbai as **members of Local Inspection Committee** and they have inspected affiliated colleges for B.Pharm and M.Pharm affiliations.
- Dr. Sujata Sawarkar as AICTE CII coordinator was actively involved in submission of AICTE CII report.

2. Extra-academic/ Extra-curricular activity

- The dept. faculties were members of many college committees. As a part of these committees they were actively involved, participated in committee meetings, resolved issues, maintained documentation and reports of the same.
- They were actively involved in NBA and NAAC activities including compilation of files and preparation of supporting documents, collection and interpretation of data on various courses. Dr. Sujata Sawarkar, Mrs. Padmini Ravikumar and Dr. Prabha Singh are active members of NBA and NAAC core committee and PAC committee



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- Dr. Sujata Sawarkar was Course coordinator and faculty for add on courses (Drug Regulatory Affairs and Pharmacovigilance). She was involved in organizing Industrial advisory committee meeting, framing the syllabi of both the courses, coordination with visiting faculty. For this academic year, Pharmacovigilance course was started in collaboration with Indian Society of Clinical Research (ISCR).
- Dr. Sujata Sawarkar and Mrs. Padmini Ravikumar were actively involved in placement activities. Dr. Prabha Singh was actively involved in placement of students for internship.
- Dr. Sujata Sawarkar coordinated the activity of AICTE CII.
- The faculty played an active role in organization of various courses awareness programs, seminars and workshops.
- Dr. Sujata Sawarkar has been executive council members of Controlled Release Society Indian Chapter (CRS IC) and has been members of organizing and scientific committee of seminars and workshops. **Dr. Sujata Sawarkar has been elected as Secretary of CRS IC for the years 2017-2019**
 - 16th International Symposium on Advances In Technology and Business Potential of New Drug Delivery Systems, February 2018
- Dr. Munira Momin was invited as an examiner for Ph.D. Thesis Viva-Voce Examination at Gujarat University and ICT.
- Dr. Sujata Sawarkar was invited as an examiner for M.Pharm. Thesis Viva-Voce Examination at ICT.
- Dr. Munira Momin and Dr. Sujata Sawarkar organized and mentored the teams of Communication Catalyst 2018 for Malnutrition management jointly organized by BNCP and Idobro **and Glenmark foundation. BNCP hosted the event.**
- **Seminars and other events organized by the department**

Name of the event	Dates
Tadvidya Sambhasha Ayurveda XII- A National Conference on Integrative Ayurveda – Arbuda	16 th November 2017
Workshop and Camp on Prediabetic screening	30 th October 2017
DST NIMAT ENTRE-PRERNA 2017- An Entrepreneurship Awareness Camp)	30 th August -1 st September 2017
COMCAT 2018 – in collaboration with Glenmark Foundation & Idobro	13 th April 2018



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- Syllabus setting discussion meet on behalf of University of Mumbai for Regulatory Affairs and Intellectual Property Rights on 10th January 2018.

• **Participation of Faculty in various activities and event of the college**

Faculty	Name of the event	Responsibility	Dates
Dr. Sujata Sawarkar	• DST NIMAT ENTRE-PRERNA 2017- An Entrepreneurship Awareness Camp)	Organizer and Camp Coordinator	August, 2017
	• Workshop and Camp on Prediabetic screening	Organizer	October, 2017
	• Tadvidya Sambhasha Ayurveda XII- A National Conference on Integrative Ayurveda – Arbuda	Organizer	November 2017
	• Communication Catalyst 2018 for Malnutrition management jointly organized by BNCP and Idobro and Glenmark foundation	Organizer	April 2018
	• Quality Improvement Programme for Lab Assistants (GLP).	Resource person	May 2018
Dr. Prabha Singh	• Quality Improvement Programme for Lab Assistants (GLP).	Resource person	May 2018
Dr Meenal Rane	• DST NIMAT ENTRE-PRERNA 2017- An Entrepreneurship Awareness Camp)	Organizer	August 2017
	• Workshop and Camp on Prediabetic screening	Organizer	October 2017



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3. Research activity

The department faculty is actively involved in research activities including publications and research proposal submissions.

PUBLICATIONS

Title	Vol./Page No / year	Name of Journal	National /International and ISSN No.	Impact factor (Thompson Reuters)	Faculty
Targeting Tumor Microenvironment to Curb Chemoresistance via Novel Drug Delivery Strategies	Published	Expert Opinion on Drug Delivery	Taylor and Francis ISSN:1742-5247	4.84	Munira M
Current And Novel Approaches For Control of Dental Biofilm	Published https://doi.org/10.1016/j.ijpharm.2017.11.019	International Journal of Pharmaceutics	Elsevier, ISSN:0378-5173	3.654	Sujata S.
Mannose-conjugated curcumin-chitosan nanoparticles: Efficacy and toxicity assessments against Leishmania donovani	Published	International Journal of Biological Macromolecules	doi.org/10.1016/j.ijbiomac.2017.12.143	3.7	Pramila C
Phytochemicals and P13K inhibitors in cancer –an insight	Published 8:916: 2017.	Frontiers in Pharmacology	doi: 10.3389/fphar.2017.00916	4.418	Pramila C
HPLC Method for Piperine Estimation in Polyherbal Formulation	published	Chapter book	Lambert ISBN No. 978-3-330-01332-2	Indexed	Pramila C



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An overview of dandruff and novel formulations as a treatment strategy	Published volume 9, Issue 2 February, 2018	International Journal of Pharmaceutical sciences and Research,	Society of Pharmaceutical Sciences & Research, Elsevier Embase, E-ISSN: 0975-8232; P-ISSN: 2320-5148	1.11	Padmini RK
Teeth whitening effectiveness of Carbamide peroxide gel in comparison to Hydrogen peroxide gel"	Published	Research and reviews: Journal of Dental Sciences		0.3	Padmini RK
Gastrointestinal patch system – An overview	published	Chapter book	Lambert	Indexed	Pramila C
Transfersomes - A Boon For Transdermal Delivery	IAJPS 2017, 4 (09), 2908 - 2919,	Indo American Journal of Pharmaceutical Sciences	ISSN: 2349 – 7750	Indexed	Pramod K
Novel Drug Delivery System: A Promising Approach In Management Of Schizophrenia – A Review	JOAPR www.japtronline.com	Journal Of Applied Pharmaceutical Research	ISSN: 2348 – 0335	Indexed	Meenal R
Dopaminergic Agents: Back To The Basics – A Small Review	JOAPR www.japtronline.com	Journal Of Applied Pharmaceutical Research	ISSN: 2348 – 0335	Indexed	Meenal R

BOOKS

Sr. No.	Title	Year	Name of Publisher and ISBN Number
1.	Book entitled Novel Drug Delivery system and Product Quality Management	2018	Career's Publications, Nashik Published
2.	Key Skills acquired by Pharma Billionaires	2018	Amazon e-book



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RESEARCH PROJECTS

No.	Project Title	Sponsoring Agency	Investigators	Grant Amount (INR)	Status
1	Formulation Development of Oral and Topical Dosage Forms	Ardmore Therapeutics	Sujata S Munira M	45,00,000	ongoing
2	Foams and Hydrogel Sponges for Chronic Wounds of Burns and diabetes	Rajiv Gandhi Science and Technology Commission	Padmini RK Munira M	16,62,000	ongoing
3	Formulation Development and Evaluation of Novel Gel for Vaginal Drug Delivery for Prevention of HIV Transmission and Contraception	Rajiv Gandhi Science and Technology Commission	Sujata S Munira M	14,20,00	ongoing
4	Development and evaluation of a phytoconstituent containing solid lipid nanoparticles based topical formulation for treatment of skin cancer	Abbott Health Care	Padmini RK	5,50,000	ongoing
5	Formulation Development of Medicated Wound Dressings	MIL Laboratories	Amrita B Munira M	1,00,000	Ongoing
6	Development of Topical Dosage Forms	Abbott Health Care	Padmini RK	82,000	Ongoing
7	Coating of Iron Particles for colon targeting	Viridis , Synergia Life Science	Sujata S Munira M	1,77,000	Completed
8	Cell Line Study	Viridis , Synergia Life Science	Munira M Sujata S	1,10,330	Completed



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9	Dissolution Study of Vitamin K27 granules	Viridis , Synergia Life Science	Sujata S Munira M	35,400	Completed
10	Design and development of novel formulation for treating anaemia.	University of Mumbai	Sujata S	30,000	Completed
11	Formulation Development of Antiretroviral Drugs	University of Mumbai	Prabha S	30,000	Completed

NEW PROJECTS SANCTIONED

No	Project Title	Sponsoring Agency	Investigators	Grant Amount (INR)	Status
12	Development of Nanoemulgel for Arthritic inflammation & Pain based on ethnomedicinal plant of western India	Rajiv Gandhi Science and Technology Commission	Munira M Tabassum K	17,42,000	Sanctioned
13	Cell Line Study on Vitamin K27	Viridis , Synergia Life Science	Munira M	1,45,730	Sanctioned
14	Oral antiepileptic formulation for Paediatrics”	University of Mumbai	Meenal R	50,000	Sanctioned
15	Formulation Development, Optimization and In-vivo Hepatoprotective Studies of Silymarin Nanoparticles Prepared by Solvent Displacement Method	University of Mumbai	Pramila C	45,000	Sanctioned
16	Synthesis development and efficacy studies of	DST SERB	Munira M	22,40,000	Sanctioned



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	chlorotoxin functionalized hollow gold nanoparticles for therapy of glioblastoma				
17	Comparative evaluation of eye drops	Cipla	Amrita B Sujata S	50,000	Sanctioned

4. PAPER PRESENTATIONS

No.	Faculty	Title	Details	Organized by
1.	Dr. Sujata Sawarkar	Design And Development Of Novel Drug Delivery For Osteoarthritic Pain Management	16 th International Symposium on Advances In Technology and Business Potential of New Drug Delivery Systems, February 2018	Controlled Release Society Indian Chapter
2	Mrs Padmini Ravikumar	Design And Evaluation Of Encapsulated Topical Formulations For Chemoprevention Of Melanoma	16 th International Symposium on Advances In Technology and Business Potential of New Drug Delivery Systems, February 2018	Controlled Release Society Indian Chapter
3	Dr. Prabha Singh	Formulation, Development And Evaluation Of Novel Topical Delivery System For HIV Management	16 th International Symposium on Advances In Technology and Business Potential of New Drug Delivery Systems, 23 rd - 24 th February 2018	Controlled Release Society Indian Chapter
4	Dr.Munira Momin	Comparative study of Cyclodextrin Complexation and Oil based Drug Delivery systems employing a BCS Class II molecule	ICMR sponsored Two Days National Conference on Nanoparticulate Drug Delivery Systems :	Maliba Pharmacy College Uka Tarsadia University



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			From Bench to Bed Side	
5	Dr.Munira Momin	Comparative study of Cyclodextrin Complexation and Oil based Drug Delivery systems employing a BCS Class II molecule	ICMR sponsored Two Days National Conference on Nanoparticulate Drug Delivery Systems : From Bench to Bed Side	Maliba Pharmacy College Tarsadia University Uka

5. QIP/FDP/Training program//seminar/workshop

Faculty	Title of the training program	Institute/Location of the training program	Event dates
Dr. Munira Momin	• One day workshop on Patent Drafting and Filing of Pharmaceuticals on 18 th May 2018.	BNCP	May 2018
	• Exhibition on Services. Conference on Education entitled Best Practices and Role Model –	AICTE CII, MHRD Govt. of India.	May 2018
	• 16 th International symposium on “Advances in Technology and Business potential of New Drug Delivery Systems”	CRS IC	March 2018
	• ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research.	BNCP	December 2017
	• Tadvidya Sambhasha Ayurveda XII	National Conference on Integrative Ayurveda – Arbuda – CCRS, Aayush, MRC Kasturba Health Society	November 2017



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<p>Dr. Sujata Sawarkar</p>	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals. • Exhibition on Services. Conference on Education entitled Best Practices and Role Model - • Consultation Seminar on initiating value addition courses in Pharmacy • Carbopol Polymer Workshop - Oral formulations. • 16th International symposium on "Advances in Technology and Business potential of New Drug Delivery Systems" • ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research. • Tadvidya Sambhasha Ayurveda XII 	<p>BNCP</p> <p>AICTE CII, MHRD Govt. of India.</p> <p>State Project Directorate and RUSA</p> <p>Lubrizol Lifesciences, Mumbai</p> <p>CRS IC</p> <p>BNCP</p> <p>National Conference on Integrative Ayurveda – Arbuda _ CCRS, Aayush, MRC Kasturba Health Society</p>	<p>May 2018</p> <p>May 2018</p> <p>March 2018</p> <p>March 2018</p> <p>February 2018</p> <p>December 2017</p> <p>November 2017</p>
<p>Mrs. Padmini Ravikumar</p>	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals on 18th May 2018. • Carbopol Polymer Workshop - Oral formulations. • 16th International symposium on "Advances in Technology and 	<p>BNCP</p> <p>Lubrizol Lifesciences, Mumbai</p> <p>CRS IC</p>	<p>May 2018</p> <p>March 2018</p> <p>February 2018</p>



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	<p>Business potential of New Drug Delivery Systems”</p> <ul style="list-style-type: none"> • ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research. 	BNCP	December 2017
Dr. Prabha Singh	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals. • ISTE approved six days Faculty Development Programme on Synergogy, ICT Enabled Teaching- Learning and Accreditation. • Carbopol Polymer Workshop - Oral formulations • 16th International symposium on “Advances in Technology and Business potential of New Drug Delivery Systems” • ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research. 	<p>BNCP</p> <p>AIKTC</p> <p>Lubrizon Mumbai Lifesciences,</p> <p>CRS IC</p> <p>BNCP</p>	<p>May 2018</p> <p>May 2018</p> <p>March 2018</p> <p>February 2018</p> <p>December 2017</p>
Dr. Pramod Kadu	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals. • ISTE approved six days Faculty Development Programme on Screening Methods in 	<p>BNCP</p> <p>BNCP</p>	<p>May 2018</p> <p>December 2017</p>



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	Pharmacological Research.		
Dr. Meenal Rane	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals. • ISTE approved six days Faculty Development Programme on Synergogy, ICT Enabled Teaching- Learning and Accreditation. • Carbopol Polymer Workshop - Oral formulations on Saturday. • ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research. 	BNCP	May 2018
		AIKTC	May 2018
		Lubrizon Mumbai Lifesciences,	March 2018
		BNCP	December 2017
Dr. Pramila Chaubey	<ul style="list-style-type: none"> • One day workshop on Patent Drafting and Filing of Pharmaceuticals • ISTE approved six days Faculty Development Programme on Teaching Pedagogy. • ISTE approved six days Faculty Development Programme on Screening Methods in Pharmacological Research. 	BNCP	May 2018
		St. John College of Pharmacy	May 2018
		BNCP	December 2017



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6. Faculty Invited for Talks / Chairing Session/ Judge

Dr. Munira Momin

1. Invited as distinguished speaker at Global Exhibition on Services. Conference on Education entitled Best Practices and Role Model - organized by AICTE CII, MHRD Govt. of India. The topic was **India as Pharmacy to the World** on 17th May 2018.
2. Chief Guest and Key note speaker at Two Days Workshop on National Board of Accreditation (NBA) on a theme "Train the Teachers for Concise Concepts in National Board of Accreditation" on Thursday, 12th - 13th April 2018
3. Resource person and she presented talk at L.M College of Pharmacy Ahmedabad on 8th March 2018.
4. Resource person and delivered talk , Nanotechnology in Cancer Therapeutics at Tadvidya Sambhasha Ayurveda – XII , National Conference on Integrative Ayurveda on 16th November 2017.

Dr. Sujata Sawarkar

1. Chaired scientific session entitled Processing Innovations in Controlled Drug Delivery at 16th International Symposium on Advances In Technology and Business Potential of New Drug Delivery Systems, 23rd - 24th February 2018.
2. Invited as a Judge for Rx Tech fest organized by IPA - MSB on 27th January 2018.
3. Resource person at ICMR sponsored National Symposium on "Challenges and Opportunities in Novel Drug Delivery System". Title of the talk: Novel Drug Delivery Systems: Commercial Opportunities, Regulatory Aspects & Challenges on 6th January 2018
4. Resource person for Tadvidya Sambhasha Ayurveda XII- A National Conference on Integrative Ayurveda on 13th November 2017.

7. Awards

- Dr. Munira Momin, Dr. Sujata Sawarkar felicitated as Reviewers of Indian Drugs by an Appreciation Award at the 55th Indian Drugs Annual Day, held at IIT-Bombay, Mumbai on February 22, 2018.
- Mrs. Padmini Ravikumar received **BEST OVERALL FACULTY** appreciation certificate by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 17th February 2018.
- Dr. Sujata Sawarkar, received **RESEARCH AND INDUSTRY OUTCOME** appreciation certificate by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 17th February 2018



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Faculty appraisal

Faculty	Total API	Appraisal date
Dr. Munira Momin		
Dr. Sujata Sawarkar		
Mrs. Padmini Ravikumar		
Dr. Prabha Singh		
Dr. Pramod Kadu		
Dr. Meenal Rane		
Dr. Pramila Chaubey		

Prepared by:

Dr. Sujata P. Sawarkar

June 5th, 2018