



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 2016- 2017 (June 2016- July 2017)

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 2016-17.

1. Academic activity

- Theory lectures and laboratory sessions were taken as per the assigned workload and timetable for the AY 2016-17.
- Dr. Sujata Sawarkar, Dr. Prabha Singh and Dr. Meenal Rane were actively involved in coordination activities for M.Pharm, Final Year and First 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. Some of the faculty participated in paper correction, paper moderation and paper revaluation for NMIMS deemed to be University.
- 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 Academic Coordinator was actively involved in coordination of academic activities and submission of Academic Assessment 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 activities including compilation of NBA 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 the next academic year, Pharmacovigilance course to be started in collaboration with Indian Society of Clinical Research (ISCR). Accordingly IAC meeting with office bearers of ISCR was held on 13th May 2017.
- 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.
- As part of AICTE CII activity the faculty went for one week training at industry for gaining industrial experience. The details of faculty undergoing training is mentioned below:

No.	Name of faculty	Name of company	Period
1	Dr. Pramila Chaubey	Evonik Ltd.	19 th June 2017 to 25 th June 2017

- 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. Munira Momin and Dr. Sujata Sawarkar have been executive council members of Controlled Release Society Indian Chapter (CRS IC) and have been members of organizing and scientific committee of following seminars and workshops. **Dr. Sujata Sawarkar has been elected as Secretary of CRS IC for the years 2017-2019**
 - One day Seminar on Clinical approach for drug delivery systems-Adherence to regulatory requirements, organized on 15/10/2016.
 - One day International workshop on Topical dermatological dosage forms organized on 24/01/2017.
 - One day **National** Seminar on Advances in Pulmonary Drug Delivery Systems organized on 07/07/2017.
- Dr. Munira Momin was invited as an examiner for Ph.D. Thesis Viva-Voce Examination at Gujarat University and ICT.
- Mrs Padmini Ravikumar was invited as poster evaluator at H.K. College of Pharmacy One day national seminar, RECENT TRENDS AND INNOVATIONS IN PHARMACEUTICAL SCIENCES, on 01/10/2016.



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- Mrs Padmini Ravikumar and Dr. Prabha Singh attended CRS IC organized One day Seminar on Clinical approach for drug delivery systems-Adherence to regulatory requirements, organized on 15/10/2016.
- Dr. Munira Momin and Dr. Sujata Sawarkar organized and mentored the,teams of Communication Catalyst 2017 for Malnutrition management jointly organized by BNCP and Idobro **and Glenmark foundation. BNCP hosted the event.**
- **Seminars and other events organized by the department**
 - One day seminar on Excipients: An explicit necessity for functionality of pharmaceutical dosage forms, on 27th August 2016
 - One week ISTE approved Faculty Development programme in September 2016.
 - **Syllabus discussion meet on behalf of University of Mumbai for Dispensing Pharmacy and Community Pharmacy on 30th September 2016.**
- **Participation of Faculty in various activities and event of the college**

Faculty	Name of the event	Responsibility	Dates
Dr.Sujata Sawarkar	• Excipients: An explicit necessity for functionality of pharmaceutical dosage forms	Coordinator	August, 2016
	• ISTE approved Faculty Development programme	Organizer	September, 2016
	• Communication Catalyst 2017 for Malnutrition management jointly organized by BNCP and Idobro and Glenmark foundation	Organizer	April 2017
	• Quality Improvement Programme for Lab Assistants (GLP) and fire safety training.	Resource person	May, 2017
	• DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases	LOC member	July,2017
	• M.Pharm Graduation Ceremony	Organizer	July,2017
Mrs Padmini Ravikumar	• ISTE approved Faculty Development programme	Coordinator &	September, 2016
	• DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases	LOC member	July,2017



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Dr. Prabha Singh	<ul style="list-style-type: none"> Quality Improvement Programme for Lab Assistants (GLP) and fire safety training. DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases M.Pharm Graduation Ceremony 	Resource person LOC member Organizer	May, 2017 July,2017 July,2017
Dr Pramod Kadu	<ul style="list-style-type: none"> DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases Alumni meet 	LOC member Coordinator	July,2017 July,2017
Dr Meenal Rane	<ul style="list-style-type: none"> DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	LOC member	July,2017
Dr Pramila Chaubey	<ul style="list-style-type: none"> DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	LOC member	July,2017

3. Research activity

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

PUBLICATIONS

Dr. Munira Momin

No.	Title	Journal	Status
1	Synergistic effect of nigella oil and clotrimazole as ethosomal gel for improved treatment of fungal infections	Indian Journal of Experimental Biology,	Revised manuscript submitted
2	Tumor microenvironment: its perspective in chemoresistance and drug delivery approaches.	Expert Opinion: Drug Delivery System,	Under revision
3	Application in Tissue Engineering and Skin Grafting,	Journal of Polymer Research,	Under revision



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4	Rheumatoid Arthritis- Pharmacology and its management with traditional herbs,	Indian Journal of Traditional Knowledge, Vol 16(2), April 2017, 2840289	Published
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Dr. Sujata P. Sawarkar

No.	Title	Journal	Status
1	Osteoarthritis: Overview And Novel Treatment Approaches	European Journal of Biomedical and Pharmaceutical Sciences ejbps, 2016, Volume 3, Issue 12, 71-81.	Published
2	Vitamin B12 Deficiency And Novel Drug Delivery Strategies	European Journal of Biomedical and Pharmaceutical Sciences, ejbps, 2017, Volume 4, Issue 03, XX-XX.	Published
3	Targeting Approaches for Effective Therapeutics of Bone Tuberculosis	Journal of Pharmaceutical Microbiology Vol. 2 No. 2: 2016, pg 1-13.	Published
4	Current and Novel approaches for treatment of periodontitis	International Journal of Pharmaceutics	Under review
5	<i>In vitro In vivo</i> Evaluation of 5 ASA Colon Specific Tablets by Gamma Scintigraphy	Journal of Controlled Release	Manuscript communicated

Mrs. Padmini Ravikumar

No.	Title	Journal	Status
1	Development and Evaluation of Microsphere Based Topical Formulation using Design of Experiments	Indian J Pharm Sci 2016; 78(2):182-192.	Published



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2	Topical Formulations in Psoriasis Management: An Overview.	Indo American Journal of Pharmaceutical Research 6.11 (2016), 6895-6904	Published
3	Design, development and evaluation of novel oral medicated jellies	Indo Am. J. P. Sci, 2017; 4(06)	Published
4	An Overview of Dandruff and novel formulations as a treatment strategy	IJPSR (2018), Volume 9, Issue 2	Accepted for publication
5	Ethosomes – An overview	Chapter	Published

Dr. Prabha Singh

No.	Title	Journal	Status
1	Lipid Based Anti-Retroviral Nanocarriers: A Review of Current Literature and Ongoing studies	Drug Delivery Letters Volume 7 Year 2017, ISSN 2210-304X, Bentham Science	Published

Dr. Pramod Kadu

No.	Title	eBook	Status
1	Simplified concepts in biotechnology	ebook by Amazon	Published

RESEARCH PROJECTS

Dr. Munira Momin

No.	Title	Sponsoring Agency	Status
1	Formulation Development of Oral and Topical Dosage Forms	Ardmore Therapeutics (formerly Cinnergen)	ongoing
2	Formulation Development and Evaluation of Novel Gel for Vaginal Drug Delivery for Prevention of HIV Transmission and Contraception	Rajiv Gandhi Science and Technology Commission	Sanctioned



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3	Foams and Hydrogel Sponges for Chronic Wounds of Burns and diabetes	Rajiv Gandhi Science and Technology Commission	Sanctioned
4	Development of Nanoemulgel for arthritic inflammation and pain based on ethnomedicinal plants of Western India	Rajiv Gandhi Science and Technology Commission	Under review
5	Development of mucoadhesive intestinal patches and its in-vitro dissolution studies	EFFORT Grant, Electrolab Mumbai	Under review
6	Drug proving studies, mechanistic insight and development of novel drug delivery systems of Hab e Suranjan and Roghan e Babuna used in the treatment of arthritis in Unani system of medicine.	CCRUM, AYUSH	Under review
7	Refapentine and Vasicine loaded mucus penetrating polymeric nanoconjugates based Inhalers for the management of Tuberculosis infection	AICTE RPS	Under review
8	Development of nanofibrous scaffolds for central nervous system regeneration	DST Nanomission	Under review

Dr. Sujata P. Sawarkar

No.	Project Title	Sponsoring Agency	Status
1	Formulation Development of Oral and Topical Dosage Forms	Ardmore Therapeutics (formerly Cinnergen)	ongoing
2	Design and development of novel formulation for treating anemia.	University of Mumbai	Completed
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	Sanctioned
4	Formulation Development and	EFFORT Grant,	Under review



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	Evaluation of Sustained Ocular Delivery of Antiretroviral to cater unmet therapeutic needs	Electrolab Mumbai	
5	Emerging Trends in Pharmaceutical Technology Development and Patent Applicability	AICTE QIP	Under review
6	Entrepreneurship Awareness Camp	DST NIMAT	Sanctioned

Mrs. Padmini Ravikumar

No.	Project Title	Sponsoring Agency	Status
1	Development and evaluation of a phytoconstituent containing solid lipid nanoparticles based topical formulation for treatment of skin cancer	Abbott Healthcare Pvt. Ltd	Ongoing
2	Foams and Hydrogel Sponges for Chronic Wounds of Burns and diabetes	Rajiv Gandhi Science and Technology Commission	Sanctioned

4. Conference activities

Faculty	Title of the paper/s for conference	Name of Conference	Event dates /Location
Dr. Munira Momin	Presented 3 papers	DST SERB, ICMR & CSIR sponsored Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	July 2017, BNCN
Dr. Sujata Sawarkar	Presented 3 papers	DST SERB, ICMR & CSIR sponsored Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	July 2017, BNCN
Mrs. Padmini Ravikumar	Presented 4 papers	DST SERB, ICMR & CSIR sponsored	July 2017, BNCN



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		Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	
Dr. Prabha Singh	Presented 3 papers	DST SERB, ICMR & CSIR sponsored Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	July 2017, BNCP
Dr. Pramod Kadu	Presented 2 papers	DST SERB, ICMR & CSIR sponsored Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	July 2017, BNCP
Dr. Meenal Rane	Presented 1 paper	DST SERB, ICMR & CSIR sponsored Neurodegenerative diseases: Strategies of drug discovery and delivery to the brain	July 2017, BNCP

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 Seminar - Excipients: An explicit necessity for functionality of pharmaceutical dosage forms	BNCP	August 2016
	• ISTE approved Faculty Development programme	BNCP	September 2016
	• National Seminar Clinical approach for drug delivery systems-Adherence to regulatory requirements	CRS IC	October 2016
	• International workshop on Topical dermatological dosage forms	CRS IC	January 2017



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	<ul style="list-style-type: none"> • One day National Seminar on Advances in Pulmonary Drug Delivery Systems • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	CRS IC BNCP	July 2017 July 2017
Dr. Sujata Sawarkar	<ul style="list-style-type: none"> • One day Seminar - Excipients: An explicit necessity for functionality of pharmaceutical dosage forms • ISTE approved Faculty Development programme • National Seminar Clinical approach for drug delivery systems-Adherence to regulatory requirements • International workshop on Topical dermatological dosage forms • One day National Seminar on Advances in Pulmonary Drug Delivery Systems • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP BNCP CRS IC CRS IC CRS IC BNCP	August 2016 September 2016 October 2016 January 2017 July 2017 July 2017
Mrs. Padmini Ravikumar	<ul style="list-style-type: none"> • One day Seminar - Excipients: An explicit necessity for functionality of pharmaceutical dosage forms • ISTE approved Faculty Development programme • National Seminar Clinical approach for drug delivery systems-Adherence to regulatory requirements • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP BNCP CRS IC BNCP	August 2016 September 2016 October 2016 July 2017



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Dr. Prabha Singh	<ul style="list-style-type: none"> • ISTE approved Faculty Development programme • National Seminar Clinical approach for drug delivery systems-Adherence to regulatory requirements • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP CRS IC BNCP	September 2016 October 2016 July 2017
Dr. Pramod Kadu	<ul style="list-style-type: none"> • ISTE approved Faculty Development programme • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP BNCP	September 2016 July 2017
Dr. Meenal Rane	<ul style="list-style-type: none"> • ISTE approved Faculty Development programme • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP BNCP	September 2016 July 2017
Dr. Pramila Chaubey	<ul style="list-style-type: none"> • ISTE approved Faculty Development programme • DST SERB ICMR CSIR sponsored Drug Strategies for Neurodegenerative diseases 	BNCP BNCP	September 2016 July 2017

6. Faculty appraisal

Faculty	Total API	Appraisal date
Dr. Munira Momin	551	May 2017
Dr. Sujata Sawarkar	393	May 2017
Mrs. Padmini Ravikumar	302	May 2017
Dr. Prabha Singh	315	May 2017
Dr. Pramod Kadu	295	May 2017
Dr. Meenal Rane	299	May 2017
Dr. Pramila Chaubey	174	May 2017

Prepared by:

Dr. Sujata P. Sawarkar
August 31, 2017