



Shri Vile Parle Kelavani Mandal's

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Annual report of the Department of Pharmaceutical Chemistry

AY July 2015- June 2016

Department of Pharmaceutical Chemistry Faculty

Dr. Tabassum Khan, Ms. Vasanti Suvarna, Dr. Atul Sherje, Dr. Kavita Patel and Dr. Bhushan Dravyakar

This report summarizes the various activities of the Dept. of Pharmaceutical Chemistry for the Academic Year 2015-16.

1. Academic activity

- The faculty was involved in taking lectures and laboratory sessions as per their workload and timetable for the AY 2015-16.
- The faculty conducted focus group sessions with the weak students and diploma students in the subjects of organic chemistry, pharmaceutical chemistry analytical chemistry. They conducted tutorials, quiz and assignments to gauge the student understanding of the coursework.
- Student mentorship and career guidance activities were also 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 were also involved in paper correction, paper moderation and paper revaluation for NMIMS deemed to be University.

2. Extra-academic/ Extra-curricular activity

- The dept. faculty is an integral part of many college committees. As a part of these committees they 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 collation of data on various courses.
- The faculty played an active role in organization of various awareness programs, seminars and workshops.

Faculty	Name of the event	Responsibility	Dates
Dr. Tabassum Khan	• One day workshop on “Quality Pharmacy Education: Role of Accreditation”.	Coordinator	March 28, 2016
	• ENTRE-PRERNA 2016- An Entrepreneurship Awareness	LOC member	March 3-5, 2016

	<p>Camp and Parishodhana - An Industry Defined Problem (IDP)</p> <ul style="list-style-type: none"> • “Higher Professional Education - The Canada Option”- An interactive session with UG/PG students. • Fire safety training • One day “National seminar on Pharmacovigilance”. • One day seminar on “Changing Phases of Quality Assurance in Pharma Industry”. • World Osteoporosis Day celebration celebration-An awareness seminar • GLP and fire safety training 	<p>Coordinator</p> <p>Coordinator LOC member</p> <p>LOC member</p> <p>Coordinator</p> <p>Coordinator/Resource person</p>	<p>Feb 22,2016</p> <p>Feb 11, 2016 Jan 30, 2016</p> <p>Jan 09, 2016</p> <p>October 31, 2015</p> <p>July 10-11, 2015</p>
Ms. Vasanti Suvarna	<ul style="list-style-type: none"> • One day “National seminar on Pharmacovigilance” • GLP and fire safety training 	<p>LOC member</p> <p>Resource person</p>	<p>Jan 30, 2016</p> <p>July 10-11, 2015</p>
Dr. Atul Sherje	<ul style="list-style-type: none"> • One day workshop on “Quality Pharmacy Education: Role of Accreditation”. • One day “National seminar on Pharmacovigilance” • GLP and fire safety training 	<p>LOC member</p> <p>LOC member</p> <p>Resource person</p>	<p>March 28, 2016</p> <p>Jan 30, 2016</p> <p>July 10-11, 2015</p>
Dr. Kavita Patel	<ul style="list-style-type: none"> • GLP and fire safety training 	<p>Resource person</p>	<p>July 10-11, 2015</p>
Dr. Bhushan Dravyakar	<ul style="list-style-type: none"> • ENTRE-PRERNA 2016- An Entrepreneurship Awareness Camp and Parishodhana - An Industry Defined Problem (IDP) • GLP and fire safety training 	<p>Joint Coordinator</p> <p>Resource person</p>	<p>March 3-5 2016</p> <p>July 10-11, 2015</p>

3. Research activity

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

Publications

Faculty	Title of the paper/ Name of the journal/ Publication date/ Impact factor
Dr. Tabassum Khan	<ol style="list-style-type: none"> 1. Published a paper titled "Novel Therapeutic Targets for Management of Type-2 Diabetes Mellitus"; Immunology, Endocrine & Metabolic Agents in Medicinal Chemistry 16(1), 2016, p 18-30. DOI: 10.2174/1871522216666160216225721. 2. Published a paper titled "Standardization and HPTLC method development of marketed ayurvedic formulation-Balarishta"; Int J Pharm Pharm Sci 8(3), 2016, p 201-9. 3. Published a paper titled "Preliminary pharmacognostic and phytochemical studies on aerial roots of <i>Ficus benghalensis</i> Linn"; Indian Drugs, 52 (11), 2015, p 14-18. 4. Published a paper titled "Phytoconstituents from aerial roots of <i>Ficus benghalensis</i> Linn, Indo American Journal of Pharmaceutical Research, 5(10), 2015, 3261-80. 5. Published a paper titled "Novel Anti-inflammatory Drugs from Marine Microbes" in The Natural Products Journal, Volume 5, No. 3, October 2015, p 206-218. 6. Published a paper titled "Bioactivity guided fractionation and anti-inflammatory activity of <i>Acacia nilotica</i> pods" in Int J Pharm Pharm Sci, Vol 7, Issue 7, 2015, 380-38.
Ms. Vasanti Suvarna	<ol style="list-style-type: none"> 1. Influence of Auxiliary Agents on Solubility and Dissolution Profile of Repaglinide with Cyclodextrin: Inclusion Complex Formation and its Solid-state Characterization, Journal of Inclusion Phenomenon and Macrocyclic Chemistry, Springer, September 2015; 83 (3):239-250, DOI: 10.1007/s10847-015-0559-y, IF 1.488 2. Pharmacological evaluation and development of an antiulcer polyherbal formulation, World journal of pharmacy and pharmaceutical sciences, April 2015. 4(5) Issue 05 708-715. 3. Microspheres: a brief review. Asian Journal of Biomedical and Pharmaceutical Sciences, August 2015;5(47):13-19 Doi:10.15272/ajbps.v5i47.713 4. Development and validation of a stability indicating RP-HPLC method for simultaneous determination of acetylcysteine and cefixime in pharmaceutical formulation, International Journal Of Pharmaceutical Sciences And Research, November 2015; Vol. 6(11): 4886-489, 10.13040/IJPSR.0975-8232.6(11).4886-94
Dr. Atul Sherje	<ol style="list-style-type: none"> 1. Ternary Inclusion Complex of Paliperidone with beta-Cyclodextrin and Hydrophilic polymer for Solubility and Dissolution Enhancement,

	<p>Journal of Pharmaceutical Innovation, Springer, August 2015;10(4):324-334, DOI: 10.1007/s12247-015-9229-2, IF 1.82</p> <p>2. Influence of Auxiliary Agents on Solubility and Dissolution Profile of Repaglinide with Cyclodextrin: Inclusion Complex Formation and its Solid-state Characterization, Journal of Inclusion Phenomenon and Macrocyclic Chemistry, Springer, September 2015; 83 (3):239-250, DOI: 10.1007/s10847-015-0559-y, IF 1.488</p>
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Research projects

Faculty	Title of the project	Name of the funding agency/PI/CI	Submission date/Outcome
Dr. Tabassum Khan	1. Characterization and evaluation of theranostic silver nanoparticles stabilized with folic acid nano conjugates of chitosan for colorectal cancer.	DST-SERB/CI	20-10-2015/ Under review
	2. Refapentine loaded mucus penetrating polymeric nano-conjugates based dry powder inhalers.	LTMT/CI	12-01-2016/ Under review
	3. Nanocarrier based mucosprays for oral soft tissue carcinoma.	RGSTC/CI	18-12-2015/ Presented, revised Under review
	4. Synthesis of impurities of some drugs (Active pharmaceutical ingredients) to be used as reference standards.	RGSTC/PI	26-02-016/ Under review
Dr. Kavita Patel	Pharmacophore Based Drug Design of Novel Analogs of Bedaquiline as Antitubercular Drugs File No : ECR/2015/000057	DST-SERB/PI	23-09-2016/ Not accepted
Dr. Bhushan Dravyakar	Design and Development of Benzamide Derivatives as Selective α -Glucokinase Activators: A Retrosynthetic Approach In Management of Type II Diabetes Mellitus Ref. No : 242015000556	DST-SERB/PI	/Not accepted

4. Conference activities

Faculty	Title of the paper/s for conference	Name of Conference	Event dates /Location
Dr. Tabassum Khan	<ol style="list-style-type: none"> 1. Analytical method development and validation studies for quantitative analysis of Etoricoxib in tablets by UPLC. 2. RP-HPLC method for simultaneous determination of Sitagliptin and Metformin in fixed dose combination tablets. 3. Analytical method development for assay, dissolution, related substances, forced degradation and validation studies of Ticagrelor tablets by HPLC. 	HPLC 2015, The 42nd International Symposium on High Performance Liquid Phases Separations and Related Techniques	June 22-26, 2015/ Geneva, Switzerland
Dr. Atul Sherje	<ol style="list-style-type: none"> 1. Formulation and Evaluation of pH triggered in situ gel for nasal delivery of an antipsychotic drug. 2. Formulation and Evaluation of pH triggered in situ gel for nasal delivery of an antipsychotic drug 	Asian Federation for Pharmaceutical Sciences (AFPS) Conference, 2015.	Nov 25-27, 2015/ Bangkok, Thailand
		Inter University State Level Convention-Avishkar 2015-16	Jan 9-12, 2016 Savitribai Phule Pune University,

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

Faculty	Title of the training program	Institute/Location of the training program	Event dates
Dr. Tabassum Khan	<ol style="list-style-type: none"> 1. One day workshop on "Quality Pharmacy Education: Role of Accreditation". 2. Three days entrepreneurship camp "ENTRE-PRERNA". 3. One day "National seminar on Pharmacovigilance". 4. One week workshop on "Cell culture Techniques". 5. One day workshop on "Awareness of Indian 	BNCP	March 28, 2016
		BNCP	March 3-5, 2016
		BNCP	Jan 30, 2016
		Sunandan Divatia school of Science, Mumbai	Jan 11-16, 2016

	Pharmacopoeia and Indian Pharmacopoeia Reference Standards (IPRS)". 6. One day workshop on "Fire safety training"	SPP School of Pharmacy and Technology Management, SVKM's NMIMS and Indian Pharmacopoeial Commission BNCP	Oct 07, 2015 July 11, 2015
Ms. Vasanti Suvarna	1. One day workshop on "Quality Pharmacy Education: Role of Accreditation". 2. Three days entrepreneurship camp "ENTRE-PRERNA". 3. One day "National seminar on Pharmacovigilance". 4. One day workshop on "Awareness of Indian Pharmacopoeia and Indian Pharmacopoeia Reference Standards (IPRS)".	BNCP BNCP BNCP SPP School of Pharmacy and Technology Management, SVKM's NMIMS and Indian Pharmacopoeial Commission	March 28, 2016 March 3-5, 2016 Jan 30, 2016 Oct 07, 2015
Dr. Atul Sherje	1. One day workshop on "Quality Pharmacy Education: Role of Accreditation". 2. Three days entrepreneurship camp "ENTRE-PRERNA". 3. One day "National seminar on Pharmacovigilance". 4. Attended to days "National Conference on Nanotechnology in Drug Delivery Research: Innovations, Opportunities (NCNDDR) 2015" 5. Attended "One day workshop on Awareness of Indian Pharmacopoeia and Indian Pharmacopoeia Reference Standards (IPRS)"	BNCP BNCP BNCP SPP School of Pharmacy and Technology Management, SVKM's NMIMS. SPP School of Pharmacy and Technology Management, SVKM's NMIMS and Indian Pharmacopoeial Commission	March 28, 2016 March 3-5, 2016 Jan 30, 2016 Oct 16-17, 2015 Oct 07, 2015
Dr. Kavita Patel	1. One day workshop on "Quality Pharmacy Education: Role of Accreditation". 2. Three days entrepreneurship camp "ENTRE-PRERNA".	BNCP BNCP BNCP	March 28, 2016 March 3-5, 2016

	3. One day “National seminar on Pharmacovigilance”.		Jan 30, 2016
Dr. Bhushan Dravyakar	1. One day workshop on “Quality Pharmacy Education: Role of Accreditation”. 2. Three days entrepreneurship camp “ENTRE-PRERNA”. 3. One day “National seminar on Pharmacovigilance”.	BNCP BNCP BNCP	March 28, 2016 March 3-5, 2016 Jan 30, 2016

6. Faculty appraisal

Faculty	Total API	API breakup I+II+III	Appraisal date
Dr. Tabassum Khan	346	160+41+145	May 2016
Ms. Vasanti Suvarna	238	155+32+51	May 2016
Dr. Atul Sherje	265.5	168+35+62.5	May 2016
Dr. Kavita Patel	165	142+23	May 2016
Dr. Bhushan Dravyakar	196	170+24+02	May 2016

Prepared by

Dr. Tabassum Khan

July 13, 2016