



Shri Vile Parle Kelavani Mandal's  
**Dr. Bhanubhai 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.bncp@gmail.com, Web: www.bncp.ac.in



## Annual report of the Department of Pharmacognosy

AY July 2019 - June 2020

### Faculty Members of the Department:

#### Department Faculty-03

Ms. Rashmi Mallya, Dr. Manisha Oza, Ms. Madhavi Apte

This report summarizes the various activities of the Department of Pharmacognosy in the even semester of the academic year 2019-20 (Jan- May 2020).

#### 1. Academic activity

- The faculty was involved in taking lectures and laboratory sessions as per their workload and timetable for the even semester AY 2019-20.
- The faculty conducted tutorials, quiz and assignments to evaluate student understanding and preparation of the courses.
- 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.

#### 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.

Faculty	Name of the event	Responsibility	Dates
Ms. Rashmi Mallya	coordinated for hospitality committee of AICTE sponsored conference entitled QbD & PAT an essential tool for product life cycle management on	Committee member	28th and 29th August 2019



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	Conduct of Online examination during lock down period  Compiled the NIRF data and the verifications successfully	Exam incharge  NIRF coordinator	21 <sup>st</sup> March to June 15 <sup>th</sup> 2020
Ms. Manisha Oza	Conduct of Online examination during lock down period	Exam committee member	21 <sup>st</sup> March to June 15 <sup>th</sup> 2020
Ms. Madhavi Apte:	Coordinated for hospital visit for second year B. Pharm	Class teacher	9 <sup>th</sup> February 2020

### 3. Research activity

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

#### Publications/Patents/Books/Book chapters

Faculty	Title of the paper/ Name of the journal/ Publication date/ Impact factor
Rashmi Mallya	<ol style="list-style-type: none"><li>1. Abna S, Rashmi M and Madhavi A. Development and characterization of anti-dandruff niosomal hair gel containing tea tree oil.. Int J Pharm Sci &amp; Res 2020; Jan;11(1): 91-03</li><li>2. Mukesh C and Rashmi M Phytochemical investigation and antibacterial activity of a medicinal plant. International Journal of Pharmaceutical and phytopharmacological research, 9(4), pp.53-8.</li></ol>



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	<ol style="list-style-type: none"><li>3. Pratik Terse, Rashmi Mallya. Formulation and Evaluation of Celecoxib loaded colon Targeted Microsponges. Asian J. Res. Pharm. Sci. 2020; 10(2):73-78</li><li>4. Gaurav, Rashmi Mallya and Ravi Yadav A novel validated RPHPLC method for the determination of related substances of Cinacalcet HCL API. European J of Biomed and Pharm Sci.2020.7(6):361-370</li></ol>
Dr.Manisha Oza	<ol style="list-style-type: none"><li>1. Oza MJ, Kulkarni YA. Formononetin Ameliorates Diabetic Neuropathy by Increasing Expression of SIRT1 and NGF [published online ahead of print, 2020 May 27]. Chem Biodivers. 2020;10.1002/cbdv.202000162. doi:10.1002/cbdv.202000162</li><li>2. Oza MJ, Kulkarni YA. Trifolium pratense (Red Clover) Improve SIRT1 Expression and Glycogen Content in High Fat Diet-Streptozotocin Induced Type 2 Diabetes in Rats. Chem Biodivers. 2020;17(4):e2000019. doi:10.1002/cbdv.202000019</li><li>3. Oza MJ, Kulkarni YA. Formononetin alleviates diabetic cardiomyopathy by inhibiting oxidative stress and upregulating SIRT1 in rats. Asian Pac J Trop Biomed [serial online] 2020 [cited 2020 Jun 5];10:254-62. Available from: <a href="http://www.apjtb.org/text.asp?2020/10/6/254/283939">http://www.apjtb.org/text.asp?2020/10/6/254/283939</a></li><li>4. Sankrityayan H, Oza MJ, Kulkarni YA, Mulay SR, Gaikwad AB. ER stress response mediates diabetic microvascular complications. Drug Discov Today. 2019 Aug 17. pii: S1359-6446(19)30314-9. (Impact Factor: 6.88)</li></ol>
Madhavi Apte	Sreedhar A.,Mallya R. Apte M Development and characterization of antidandruff neosomal hair gel containing tea tree oil IJPSR 2020,11(1) 91-103.



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### Research projects submitted/sanctioned

Faculty	Title of the project	Name of the funding agency/PI/CI	Submission date/Outcome
Madhavi Apte	Antiangiogenic activity of herbal extracts	University of Mumbai -Minor research grant	2019-2020 Rs. 60,000/-
<b>Industry consultancy: NIL</b>			

### Conferences/Seminars/Workshops/FDP

<b>Ms.Rashmi Mallya</b>	1) AICTE sponsored conference entitled QbD & PAT an essential tool for product life cycle management organized by BNCPP	<b>Presented</b>	<b>Attended</b>	28th and 29th August 2019
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	2) Presented poster and Attended Two days national conference on Challenges in the development of generic and biosimilars on at K.M.K.College of Pharmacy			4th and 5th October 2019
	3) one day state level seminar on Management of stress and depression: A need of the day on at C.U.Shah College of Pharmacy.S.N.D.T	Attended		17th October 2019
	4) one day state level seminar on Applications of Mathematical Principles in Pharmaceutical research on. at C.U.Shah College of Pharmacy.S.N.D.T	Attended		20 <sup>th</sup> December 2019
	5) A Skill Development Workshop on Pharmacognostic evaluation of crude drugs as per WHO guidelines	Attended		July 29th 2019.



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		Presented		
	6) Maharashtra State Inter University Avishkar Research Convention		Attended	28-31 January ,2020
	7) Avishkar university level SNTD university		Attended	15 <sup>th</sup> January
	8) One-week online skill development workshop on scientific writing		Attended	April 21-30 <sup>th</sup> 2020
	9) Three days online workshop on communication skills: Express to impress organised by SVKM's BNCB,		Attended	23 <sup>rd</sup> to 25 <sup>th</sup> April 2020
	10) Industry lecture sessions organized by SVKM's Dr. BNCB		Attended	28 <sup>th</sup> - 30 <sup>th</sup> April 2020
	11) Webinar APTI Sensitisation in Education methodology for pharmaceutical academic leaders		Attended	18 <sup>th</sup> April 2020
	12) 3 days online workshop on "Education 4.0" organised by IQAC,		Attended	28 <sup>th</sup> - 30 <sup>th</sup> April 2020



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	<p>Atharva College of Engineering held on</p> <p>13)“NAAC: Systematic Data Organization and Presentation”, organized by IQAC, Vidyalkar Institute of Technology, Mumbai.</p> <p>14)syllabus orientation meeting for M.Pharma QA at VES college of pharmacy</p> <p>15)FDP at BNCP in Pharmaceutical Analysis –zooming in through the industry lens.</p> <p>16)One Week Online Faculty Development on "Climbing the Ladder of Education System Through Innovation &amp; E- Learning Tools organized by Department of information technology VIT, Nasik,</p>		<p>Attended</p> <p>Attended</p> <p>Attended</p> <p>Attended</p>	<p>16th May 2020</p> <p>24th September 2019.</p> <p>July 1 -6, 2019</p> <p>4-9<sup>th</sup> May 2020</p>
	<p>1. One-week online skill development workshop on scientific writing</p>		<p>Attended</p>	<p>April 21-30, 2020</p>



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<b>Dr. Manisha Oza</b>	2. Three days online workshop on communication skills: Express to impress organised by SVKM's BNCP,	Attended	April 23-25, 2020
	3. PM fellowship scheme CII webinar.		20th April 2020
	4. "COVID-19: A chat with Bob Langer on vaccines, nanotech & the future of healthcare".	Attended	22nd April 2020
	5. Webinar on advanced OBE-identifying weaker students and remedial actions	Attended	9th May 2020
	6. FDP at BNCP in Pharmaceutical Analysis –zooming in through the industry lens.	Attended	July 1 -6, 2019





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<b>Ms.Madhavi Apte</b>	<p>1) AICTE sponsored conference entitled QbD &amp; PAT an essential tool for product life cycle management organised by BNCP</p> <p>2) Presented poster and Attended Two days national conference on Challenges in the development of generic and biosimilars on at K.M.K.College of Pharmacy</p> <p>3) one day state level seminar on Applications of Mathematical Principles in Pharmaceutical research on. at C.U.Shah College of Pharmacy.S.N.D.T</p> <p>4. A Skill Development Workshop on Pharmacognostic evaluation of crude drugs as per WHO guidelines</p>	<b>Presented</b>	<b>Attended</b>	<p>28th and 29th August 2019</p> <p>4th and 5th October 2019</p> <p>20<sup>th</sup> December 2019</p> <p>July 29th 2019.</p> <p>April 21-30<sup>th</sup> 2020</p>



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	5) Maharashtra State Inter University Avishkar Research Convention	Attended	
	6) Avishkar university level SNTD university	Attended	23 <sup>rd</sup> to 25 <sup>th</sup> April 2020
	7) One-week online skill development workshop on scientific writing	Attended	28th - 30th April 2020
	8) Three days online workshop on communication skills: Express to impress organised by SVKM's BNCIP,	Attended	28th - 30th April 2020
	9) Industry lecture sessions organized by SVKM's Dr. BNCIP	Attended	28th - 30th April 2020
	10) 3 days online workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering held on	Attended	1 <sup>st</sup> August 2019
	11) Avishkar orientation organised by University of Mumbai at BCP	Attended	22nd April 2020
	12). "COVID-19: A chat with Bob Langer on vaccines, nanotech & the future of healthcare".	Attended	



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	<p>13)FDP at BNCP in Pharmaceutical Analysis –zooming in through the industry lens.</p> <p>14)One Week Online Faculty Development on "Climbing the Ladder of Education System Through Innovation &amp; E-Learning Tools organized by Department of information technology VIT, Nasik,</p>		Attended	<p>July 1 -6, 2019</p> <p>4<sup>th</sup> -9<sup>th</sup> May 2020</p>
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**Papers/Poster presentation of faculty**

<b>Faculty</b>	<b>Details with dates</b>
<b>Ms.Rashmi Mallya</b>	<p>1. Presented a research project Potential antileukemic, apoptotic and antimalarial activities of leaf and fruit extracts of Z rhetsa at 14th Maharashtra State Inter University Avishkar Research Convention: 2019-2020 organised by University of Mumbai 28-31,2020</p> <p>2.Presented a research project entitled Acute toxicity antioxidant, cytoprotective and phytochemical evaluation of methnaol extracts of leaves and fruits of Z rhetsa at SNTD Womens University Avishkar 2019-20 on 15<sup>th</sup> Jan <b>received 2<sup>nd</sup> prize.</b></p>
<b>Dr.Manisha Oza</b>	<p>1. Presented a poster entitled “ Formononetin ameliorate diabetic cardiomyopathy in type 2 diabetic rats” at 5th IUPHAR World Conference on the Pharmacology of Natural Products &amp; 51st Annual Conference of Indian Pharmacological Society (IPS), at NIN-ICMR, Hyderabad 4th - 7th December, 2019</p> <p>2.Presented a poster entitled “Amelioration of diabetic neuropathy by Formononetin: Possible role of SIRT1 and NGF” at 5th IUPHAR World Conference on the Pharmacology of Natural Products &amp; 51st Annual Conference of Indian Pharmacological Society (IPS), at NIN-ICMR, Hyderabad 4th - 7th December, 2019</p>



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**Ms.Madhavi Apte**

Presented a research project ,” To screen and compare the antiangiogenic activity of herbal extract by CAM assay, Cell migration assay and tube formation assay “ at 14th Maharashtra State Inter University Avishkar Research Convention: 2019-2020 organised by University of Mumbai,2020

Presented a research project entitled,” To screen and compare the antiangiogenic activity of herbal extract by CAM assay, Cell migration assay and tube formation assay “ at SNTD Women's University Avishkar 2019-20 on 15<sup>th</sup> Jan **and received 1<sup>st</sup> prize.**

Presented poster at national conference on Challenges in the development of generic and biosimilars on at K.M.K.College of Pharmacy 4th and 5th October 2019 **and received 2<sup>nd</sup> Prize.**

**Faculty appraisal**

Faculty	Total API (AY ____ )	API breakup I+II+III	Appraisal date
Ms.Rashmi Mallya	166.39	76 +31.9+ 58.49	June 2020
Ms.Manisha Oza	220.56	74+ 38.3 + 82.5	June 2020



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Ms.Madhavi Apte	131.76	74.76+27+30	June 2020
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### Faculty welfare/appreciation

Faculty	Conference/ Workshop/Seminar support (Rs)	Research/ Publication incentive (Rs)
Ms.Rashmi Mallya	Nil	Nil
Dr.Manisha Oza	Received registration and traveling expenses to attend and present a poster at 5th IUPHAR World Conference on the Pharmacology of Natural Products & 51st Annual Conference of Indian Pharmacological Society (IPS), at NIN-ICMR, Hyderabad 4th - 7th December, 2019	Application submitted for RPS for publishing a review paper-1. Sankrityayan H, Oza MJ, Kulkarni YA, Mulay SR, Gaikwad AB. ER stress response mediates diabetic microvascular complications. Drug Discov Today. 2019 Aug 17. pii: S1359-6446(19)30314-9. (Impact Factor: 6.88)
Ms.Madhvi Apte	Nil	Nil



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**Google scholar citations till June 10<sup>th</sup> 2020**

<b>Faculty</b>	<b>Google scholar citations</b>
<b>Ms.Rashmi Mallya</b>	201
<b>Dr.Manisha Oza</b>	186
<b>Ms.Madhvi Apte</b>	18

**Research activity summary (3 years)**

<b>Research head</b>	<b>Number AY 2019-20</b>	<b>Number AY 2018-19</b>	<b>Number AY 2017-18</b>
Research projects sanctioned/ongoing	01	02	01
Industry consultancy	-	-	-
Research projects submitted	-	1	
Publications	08	10	
Total impact factor of dept.	10.66	6.63	
Books/book chapters	-		
Patent (provisional)	-	01	

Rashmi Mallya

10-06-2020

Prepared by

Signature

Date

Department of Pharmacognosy



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