



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.bncp@gmail.com, Web: www.bncp.ac.in



## Annual report of the Department of Pharmacognosy

AY July 2020 – May 2021

### Faculty Members of the Department:

#### Department Faculty-03

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

This report summarizes the various activities of the Department of Pharmacognosy in the academic year 2020-21.

#### 1. Academic activity

- The faculty was involved in taking lectures and laboratory sessions as per their workload and timetable for the even semester AY 2020-21.
- 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,

#### 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	1. Organised 3 days 1st Research Congress by SVKM's Dr. BNCP	Organising committee	28th September 2020 to 30th September 2020.



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	2. webinar How to build your personal brand for students of SVKM's Dr.BNCP	Organiser	6th November 2020
	3. Conduct of Online examination during lock down period	Exam incharge	
	4. Compiled the NIRF data and the verifications successfully	NIRF coordinator	
Ms. Manisha Oza	Organised 3 days 1st Research Congress by SVKM's Dr. BNCP	Organising committee	28th September 2020 to 30th September 2020
Ms. Madhavi Apte:	<ol style="list-style-type: none"><li>1. Organized Business Fair on Part-Time and Full-Time Business Opportunities in Pharmaceutical, Life Sciences, and Health Care Sector August 27th - 29th, 2020. Three days Business Fair organized by Student Start-up, Innovation and Entrepreneurship Development Cell of SVKM's Dr. BNCP.</li><li>2. Part of organization committee AICTE sponsored one-week short term Teacher's training programme on Digital pedagogy organized by SVKM's Dr. BNCP from 14<sup>th</sup> September 2020 to 19<sup>th</sup> September 2020</li></ol>		9 <sup>th</sup> February 2020



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### 3. Research activity

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

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

**Total number:06**

**IF:11.45**

Faculty	Title of the paper/ Name of the journal/ Publication date/ Impact factor
Rashmi Mallya	<ol style="list-style-type: none"><li>1. Mallya R, Patil K. Recent Developments in Formulation Design of a Multifunctional Phytochemical Quercetin: A Review. <i>Pharmacognosy Reviews</i>. 2021;15(29).</li><li>2. Rashmi Mallya &amp; Milind J. Bhitre (2020) Cytotoxic Activity and Initiation of Apoptosis via Intrinsic Pathway in Jurkat Cells by Leaf Extract of <i>Zanthoxylum rhetsa</i> DC, Nutrition and Cancer, DOI: <a href="https://doi.org/10.1080/01635581.2020.1808231">10.1080/01635581.2020.1808231</a> (<b>Impact Factor 2.36</b>)</li><li>3. Divesh C, Amrita D, Padmini RK and Rashmi M. Pomegranate Peel: Extraction, Anthelmintic activity and formulation of suspension . <i>International journal of Pharmacy research Special Issue</i>. <a href="https://doi.org/10.31838/ijpr/2020.SP1.083">https://doi.org/10.31838/ijpr/2020.SP1.083</a></li></ol>
Dr.Manisha Oza	<ol style="list-style-type: none"><li>1. <b>Oza MJ</b>, Laddha AP, Gaikwad AB, Mulay SR and Kulkarni YA. Role of dietary modifications in the management of type 2 diabetic complications. <i>Pharmacological Research</i>, Apr 8;168:105602. <a href="https://doi.org/10.1016/j.phrs.2021.105602">https://doi.org/10.1016/j.phrs.2021.105602</a> (<b>Impact Factor 5.893</b>)</li></ol>



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Madhavi Apte	<ol style="list-style-type: none"><li>1. Digna Parmar, Madhavi Apte, Angiotensin inhibitors: A review on targeting tumor angiogenesis, European Journal of pharmacology, Online published: Volume 899, May 2021, <a href="https://doi.org/10.1016/j.ejphar.2021.174021">https://doi.org/10.1016/j.ejphar.2021.174021</a> (<b>Impact factor:3.2</b>)</li><li>2. Shubham Prajapati, Madhavi Apte Gums and mucilage as multifunctional pharmaceutical agent, IJPR, April-june 2021, 13(2)</li></ol>
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**Research projects submitted/sanctioned**

**Research projects submitted:08**

**Sanctioned:Nil**

<b>Faculty</b>	<b>Title of the project</b>	<b>Name of the funding agency/PI/CI</b>	<b>Submission date/Outcome</b>
Dr.Rashmi Mallya	Submitted to under institutional research grant 2021-22 titled formulation, characterisation and evaluation of cyclodextrin inclusion complex of natural naphthaquinone plumbagin as an antileukemic (Total value Rs. 13,00,000)	Lady Tata Memorial Trust, under institutional research grant 2021-22,	February 2021 Under review



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Dr.Rashmi Mallya	Submitted a grant proposal to AICTE for online FDP entitled Expanding the role of pharmacist in promoting community health	AICTE for online FDP	March 2021  Under review
Dr.Rashmi Mallya	Evaluation of the effect of Zanthoxylum rhetsa extracts on type 2 diabetes and diabetic complications	Co PI-Department of Science and Technology	September 2020 Under review
Dr. Manisha Oza	Design, development and efficacy study of nanoparticle-based inhalable formulation for pulmonary delivery of PDE-4 inhibitor in treatment of COPD	DST-Core research grant Co PI	March 2021 Under review
Dr. Manisha Oza	Targeting SIRT1 with Polyphenolic Compounds in the Treatment of Type 2 Diabetic Nephropathy	DST-Core research grant Co PI	March 2021 Under review
Dr. Manisha Oza	Evaluation of the effect of Zanthoxylum rhetsa extracts on type 2 diabetes and diabetic complications	PI-Department of Science and Technology	September 2020 Under review
Dr. Manisha Oza	Herbal Intervention for Chronic Kidney disease (CKD)	PI-AICTE-RPS Scheme	December 2020 Under review
Dr.Madhavi Apte	Research project submitted to titled Formulation of nano particulate drug	Lady Tata Memorial Trust, under institutional	February 2021 Under review



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	carrier system loaded with plant extract for treatment of cancer (Total value Rs. 16,00,000)	research grant 2021-22	
<b>Industry consultancy: NIL</b>			

### Conferences/Seminars/Workshops/FDP

#### Conferences:03

Faculty	Name of the event	Presented	Organized/ Attended	Dates
<b>Dr.Rashmi Mallya</b>	New Horizons in the Pharma Sphere (NHPS 2020) organized by SVKM's Institute of Pharmacy, Dhule on	No	Attended	4 <sup>th</sup> & 5 <sup>th</sup> Sept, 2020.
<b>Dr.Madhavi Apte</b>	3-Days E-conference Global Pharmaceutical challenges in Drug development in treatment of cancer organized by Kokan Gyanpeeth College Karjat	No	Attended	25 <sup>th</sup> to 27 <sup>th</sup> July 2020



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<b>Dr.Madhavi Apte</b>	two days AICTE sponsored E-conference on Quality analysis in Herbal Drug research, organized by Rajarambapu College of Pharmacy, Sangli.	No	Attended	3rd and 4th August 2020
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**FDP/ STTP**

**Attended:18**

<b>Faculty</b>	<b>Name of the event</b>	<b>Presented</b>	<b>Organized/ Attended</b>	<b>Dates</b>
<b>Dr.Rashmi Mallya</b>	FDP Advancement in pharmaceutical education organized by Oriental college of pharmacy. Mumbai from	-	Attended	6 <sup>th</sup> July to 11 <sup>th</sup> July 2020
<b>Dr.Rashmi Mallya</b>	Attended ATAL , AICTE sponsored online faculty development programme on Drug Engineering	-	Attended	21 <sup>st</sup> September to 25 <sup>th</sup> September 2020



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	organized by Bombay college of Pharmacy from			
<b>Dr.Rashmi Mallya</b>	Attended AICTE sponsored one-week short term Teacher's training programme (STTP) on Digital pedagogy organized by SVKM's Dr. BNCPP from	-	Attended	5 <sup>th</sup> to 10 <sup>th</sup> October 2020.
<b>Dr.Rashmi Mallya</b>	AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from at Bharati Vidyapeeth College of Pharmacy, Kolhapur.	-	Attended	2 <sup>nd</sup> to 6 <sup>th</sup> November 2020
<b>Dr.Rashmi Mallya</b>	Attended 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from	-	Attended	1 <sup>st</sup> to 5 <sup>th</sup> February, 2021





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<b>Dr.Rashmi Mallya</b>	Attended Two Week AICTE Sponsored Online Faculty Development Programme - I - "Importance of innovation and research culture to inculcate startup and entrepreneurship" - I organized from by Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute, Karjat	-	Attended	15 <sup>th</sup> -26 <sup>th</sup> March 2021
<b>Dr.Manisha Oza</b>	AICTE Sponsored one-week STTP on digital pedagogy organized by SVKM's Dr. Bhanubhai Nanavati College of Pharmacy.	-	Attended	14 <sup>th</sup> to 19 <sup>th</sup> September 2020
<b>Dr.Manisha Oza</b>	Attended Online ATAL FDP on "Design thinking" organized by Anand Pharmacy College.	-	Attended	23 <sup>rd</sup> to 27 <sup>th</sup> Nov. 2020



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<b>Dr.Manisha Oza</b>	AICTE Sponsored Two Week Online Faculty Development Program (FDP - 2/2) on "Nurturing Morals, Work Ethics & Accountability for Technical Teachers" organized by Department of CSE during	-	Attended	07th - 19th December, 2020
<b>Dr.Manisha Oza</b>	Two Week Online AICTE Sponsored Faculty Development Programme Phase - 1 titled "Importance of Innovation and Research Culture to Inculcate Startup and Entrepreneurship organized by Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat, Dist. Raigad	-	Attended	15th to 26th March 2021
<b>Dr.Madhavi Apte</b>	FDP "Pharmaceutical Product Development: Challenges and Opportunities" organized by Dr. L. H. Hiranandani College	-	Attended	15th June2020 to 19th June 2020



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	of Pharmacy, Ulhasnagar and Konkan Gyanpeeth. IPA and APTI collaboration			
<b>Dr.Madhavi Apte</b>	FDP Teaching in the Digital world - Learning from the Masters: Anti-Infective Discovery & Development” organized by Dr Bhanubai Nanavati College of Pharmacy.	-	Attended	22 <sup>nd</sup> to 27 <sup>th</sup> June 2020
<b>Dr.Madhavi Apte</b>	ATAL , AICTE sponsored online faculty development programme on OECD Principles of Good Laboratory practices organized by SSR college of Pharmacy	-	Attended	22 <sup>nd</sup> September to 26 <sup>th</sup> September 2020.
<b>Dr.Madhavi Apte</b>	Attended AICTE sponsored one-week short term Teacher’s training programme (STTP) on Digital pedagogy organized	-	Attended	5 <sup>th</sup> to 10 <sup>th</sup> October 2020.



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	by SVKM's Dr. BNCP from			
<b>Dr.Madhavi Apte</b>	AICTE Training and Learning (ATAL) Academy "Artificial Intelligence" organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur.	-	Attended	2 <sup>nd</sup> to 6 <sup>th</sup> November 2020
<b>Dr.Madhavi Apte</b>	AICTE Sponsored Two Week Online Faculty Development Program (FDP - 2/2) on "Nurturing Morals, Work Ethics & Accountability for Technical Teachers" organized by Department of CSE organized by Velagapudiramkrishna a Siddhartha engineering college, Vijaywada	-	Attended	07th - 19th December, 2020
<b>Dr.Madhavi Apte</b>	Attended 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical			1 <sup>st</sup> to 5 <sup>th</sup> February, 2021



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	Education (AICTE) from			
<b>Dr.Madhavi Apte</b>	Attended Two Week AICTE Sponsored Online Faculty Development Programme - I - "Importance of innovation and research culture to inculcate startup and entrepreneurship" - I organized from Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute, Karjat			15 <sup>th</sup> -26 <sup>th</sup> March 2021

**Workshops:03**

<b>Dr.Rashmi Mallya</b>	1	Completed one-week ORACLE use training program Parivartan II-training session organized by SVKM, July 13-22, 2020.
<b>Dr.Manisha Oza</b>	1	Completed one-week ORACLE use training program Parivartan II-training session organized by SVKM, July 13-22, 2020.
<b>Dr.Madhavi Apte</b>	1	Completed one-week ORACLE use training program Parivartan II-training session organized by SVKM, July 13-22, 2020.



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**Webinars attended:12**

Name of faculty	S. No.	Details
<b>Dr.Rashmi Mallya</b>	1	Attended as a delegate the webinar Authoring and Proctoring Tools for Academics Organized by Prin.K.M.Kundnani College of Pharmacy, Cuffe Parade, Mumbai in collaboration with Learning Mate and in association with APTI on 21st November 2020.
	2	Attended as a delegate Capacity Building Session: APTI Coordinators & Executive Committee Members of Mumbai Region on Friday 30th October 2020, 11:00 AM - 01:00 PM IST
	3	Attended as a delegate Free Tools for Online Learning in Pharmacy organised by Ideal college of Pharmacy on 5th September 2020
	4	Participated in in Business Fair on Part-Time and Full-Time Business Opportunities in Pharmaceutical, Life Sciences and Health Care Sector August 27th - 29th, 2020, organized by Student Start-up, Innovation and Entrepreneurship Development Cell of SVKMs Dr. BNCP.
	5	Attended webinar on "Nanotechnology-Based Pharmaceutical Systems: Squandering Opportunities or a Translational nightmare !!" by Dr. Umesh Banakar on 29th August 2020 organised by SSPSPTM, NMIMS Mumbai
	6	Attended IDMA - iMedrix Webinar on "Telemedicine Applications for Physician Engagement during #COVID Times " Confirmation on 29th August 2020
	7	Attended RUSA sponsored webinar on Patent and patenting process. July 18th 2020 organised by Patkar college , University of Mumbai.
	8	attended a webinar countering the rise of superbugs through antimicrobial resistance organised by society of pharmaceutical sciences and research on 21st February 2021



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	9	attended a training programme organised by SVKM through oracle titled: Pedagogical skills for framing question paper on 25th and 26th February 2021.
<b>Dr.Madhavi Apte</b>	1	Attended webinar on Microscopy: A tool for crude drug analysis organized by K.M. Kundanani college of Pharmacy 21st July 2020.
	2	Attended a webinar on Effective and Practical journey towards NBA accreditation organized on 17th August 2020 in association with the Society of Pharmaceutical Education and Research (SPER) organized by OCP. 17 <sup>th</sup> August 2020
<b>Dr.Madhavi Apte</b>	3	Faculty Induction programme organized by SVKM's Dr. BNC18 <sup>th</sup> - 20 <sup>th</sup> January

**Papers/Poster presentation of faculty : NIL**

<b>Faculty</b>	<b>Details with dates</b>
<b>Dr..Rashmi Mallya</b>	NIL
<b>Dr.Manisha Oza</b>	NIL
<b>Dr..Madhavi Apte</b>	NIL



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### Faculty appraisal

Faculty	Total API (AY ____ )	API breakup I+II+III	Appraisal date
Dr.Rashmi Mallya	166.39	76 +31.9+ 58.49	June 2020
Dr..Manisha Oza	220.56	74+ 38.3 + 82.5	June 2020
Dr.Madhavi Apte	131.76	74.76+27+30	June 2020

### Faculty welfare/appreciation

Faculty	Conference/ Workshop/Seminar support (Rs)	Research/ Publication incentive (Rs)
Ms.Rashmi Mallya	Nil	Nil
Dr.Manisha Oza	Nil	25,000 +12,500 + 20,000
Ms.Madhvi Apte	Nil	Nil





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### Google scholar citations till June 25<sup>th</sup> 2021

Faculty	Google scholar citations
Ms.Rashmi Mallya	264
Dr.Manisha Oza	289
Ms.Madhvi Apte	20

### Research activity summary (3 years)

Research head	Number AY 2020-21	Number AY 2019-20	Number AY 2018-19
Research projects sanctioned/ongoing	-	01	02
Industry consultancy	-	-	-
Research projects submitted	8	-	1
Publications	6	08	10
Total impact factor of dept.	11.45	10.66	6.63
Books/book chapters	-	-	-
Patent (provisional)	-	-	01

Rashmi Mallya

31-06-201

Department of Pharmacognosy



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Prepared by

Signature

Date