



# DECLARATION

Form I (Vide Rule 3)

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Editor : Dr. Sachin B. Somwanshi  
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Nationality : Indian  
Editor's Address : PRES's, College of Pharmacy (For Women),  
Chincholi, Tal: Sinnar, Dist: Nashik 422102

I, Dr. Charushila J. Bhangale, Principal, declare that particulars given above are true to the best of my knowledge and belief. The views expressed by the authors are their own contributions and the editorial board is no way responsible for the same.

(For Private Circulation Only)

Dr. Charushila J. Bhangale

Principal



## Vision

**To emerge as the most preferred pharmacy educational institute with global recognition and developing competent and socially sensitive pharmacists committed to healthcare needs of society.**



## Mission

**To develop students as global citizen with conscience, commitment and dedication.**

**To create world class facilities and ambience for advanced level of teaching, research and practical training.**

**To recruit and retain highly motivated and qualified faculty to promote the cause of teaching and learning.**



## Program Objectives (POs)

The Program Outcomes of Bachelor in Pharmacy course are:

- 1. Pharmacy Knowledge:** An ability to acquire, demonstrate, core and basic knowledge of Pharmaceutical and Life Sciences
- 2. Planning Abilities:** An ability to develop, implement, effectively plan and organize work using time management, resource management, delegation skills and organizational skills to achieve goals in specified timeline.
- 3. Problem Analysis:** An ability to identify, analyze, interpret data and take appropriate decision to solve problems related to routine Pharmacy Practices by applying acquired knowledge.
- 4. Modern Tool Usage:** An ability to understand, choose and utilize Modern techniques and computing tools for Pharmacy practices by considering constraints.
- 5. Leadership Skills:** An understanding of pharmaceutical management principles and apply these to one's own work, as a member and leader in a team, to manage projects to facilitate improvement in social health and well being.
- 6. Professional Identity:** An ability to recognize, analyze and communicate Pharmacy professional values as a healthcare promoter.
- 7. Pharmaceutical Ethics:** An ability to understand and use professional, ethical, legal, social issues and responsibilities for well being of the society.
- 8. Communication:** An ability to comprehend, write reports, present and document to communicate effectively for exchange of professional information to Pharmacy community and society.
- 9. The Pharmacist and Society:** An ability to overcome the societal, health and legal problems by providing better pharmaceutical care relevant to the Pharmacy profession.
- 10. Environment and Sustainability:** An ability to recognize the impact of the professional Pharmaceutical solutions in social and environmental circumstances for sustainable development.
- 11. Life-Long Learning:** An ability to recognize the need to engage in continuous Professional development by taking in consideration timely feedback and technological changes for life long learning process.

## Program Specific Outcomes (PSO)

### Pharmacy Students are able to:

**PSO 1:** To build graduate to excel in technical or professional careers in various pharmaceutical industry and/ or institute and /or Health care system through rigorous education. Also analyze and communicate the skills, values of their professional roles in society.

**PSO 2:** To learn, select, apply appropriate methods, procedures, resources and modern pharmacy-related computing tools with an understanding of the limitations.

**PSO 3:** To operate, control, analyze and evaluate chemical substances and finished products also processes within permissible limits.

**PSO 4:** To design a system, component or process to meet desired needs within realistic constraints such as economic, environmental, sustainability social, ethical, health, safety and manufacturability for humans.

# PHARMACIST'S OATH

I swear by the code of ethics of Pharmacy Council of India, in relation to the community and shall act as an integral part of health care team.

I shall uphold the laws and standards governing my profession.

I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.

I shall follow the system which I consider best for Pharmaceutical care and counseling of patients.

I shall endeavor to discover and manufacture drugs of quality to alleviate sufferings of humanity.

I shall hold in confidence the knowledge gained about the patients in connection with my professional practice and never divulge unless compelled to do so by the law.

I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organizations.

While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!

Should I trespass and violate this oath, may the reverse be my lot!



**MAGAZINE COMMITTEE**



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PRES's, COPC, Nashik



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Ms. Shreya Dandawate  
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Ms. Tejal Vishe,  
NSS Representative  
B. Pharm Third Year

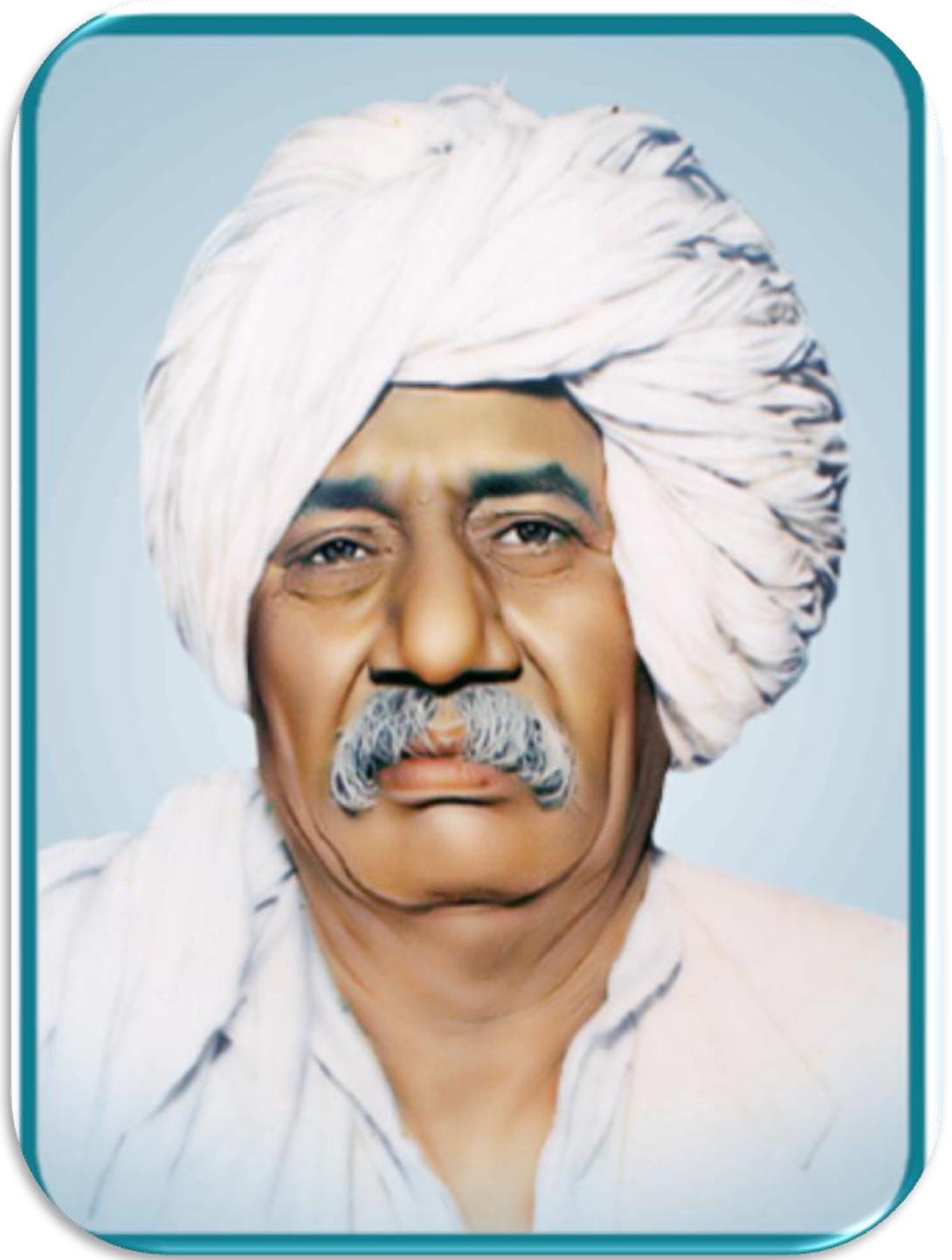


Ms. Disha Handore,  
Girls Representative  
B. Pharm Final Year



**Dr. Rajendra Prasad, Former President of India  
Awarding  
Padmashri To Dr. Vitthalrao Vikhe Patil,  
Pioneer of Sugar Cooperative and Rural Education Movement**

**Our Founder**



**Padmashri Dr. Vitthalrao Vikhe Patil**

**(1901-1980)**



**“Beautiful Minds, Creative Minds and Noble Minds of Loni”  
Late Dr. A. P. J. Abdul Kalam, Former President of India with  
Late Padmbhushan Dr. Balasaheb Vikhe Patil During his visit to Loni on 15  
October, 2005**



**Hon'ble Late Balasaheb Vikhe Patil Awarded  
Padmabhusan by Hon'ble President Pratibhatai Patil**

**Our Inspiration**



**Padmabhushan Dr. Balasaheb Vikhe Patil**

**(1932-2016)**

*Chairman's Message*



**Hon'ble Shri Radhakrishna E. Vikhe Patil**

Member of Maharashtra Legislative Assembly

Chairman,

Pravara Rural Education Society, Loni

Pravara Rural Education Society was established by the Pioneer of Cooperative Society in Asia, Padmashree Dr. Vithalrao Vikhe Patil in 1964, with the aim of bringing quality in the lives of rural people through education. He fiercely advocated Women Empowerment in those days and the education society upholds his values and beliefs even today.

Over the past five decades, the education society has set up 102 institutions imparting quality education ranging from KG to Ph.D under the exemplary vision of Padmabhushan Awardee Late Dr. Balasaheb Vikhe Patil.

I extend my heartiest compliments to the College of Pharmacy (For Women), Chincholi, Nashik for their college magazine "SPANDAN 2022" which is being published soon.

"SPANDAN" will be a source of inspiration for the budding pharmacist and writers among students. It will renovate their creativeness to new extent of mature expressions. This magazine will also be able to provide information regarding the advancement being made by the leading and distinctive organization made the field of Pharmacy Education.

I congratulate the Principal Dr. Charushila J. Bhangale and all teaching and non teaching faculties for their insistent efforts in the release of "SPANDAN 2022."

**Shri Radhakrishna E. Vikhe Patil**

**Chairman**

*Principal Desk*



**Dr. Charushila J. Bhangale**

**Principal, College of Pharmacy (For Women), Chincholi, Nashik**

I am glad that the magazine 'SPANDAN 2022' is being released by the combine efforts of the Staff and Students of Pravara Rural Education Society, College of Pharmacy (For Women), Chincholi, Nashik. I am sure that it will provide an opportunity for both faculty and students to explore their hidden talent in literacy, arts, crafts and other extracurricular will come out though this magazine. It is against this background that the contributors' viz. teachers and students of B. Pharm, and M. Pharm may focus on these important topics and bring a quality Magazine.

I would like to accord my thanks and acknowledgement to our Chairman Hon'ble Shri Radhakrishna Vikhe Patil; Hon'ble Mrs. Sushmita Mane, CEO, PRES, Loni; Hon'ble Shri Bharat Ghogare, Joint Secretary, PRES, Loni for their constant encouragement and support they are rendering. I take the opportunity to appreciate and congratulate the Editorial Committee Dr. S. B. Somwanshi & his team for their efforts in bringing out the Magazine in a beautiful manner.

I extend my good wishes for the successful publication of this magazine.  
With Warm Wishes....

**.....Dr. Charushila J. Bhangale**

*Message from Editors*



Dear Readers,

*“The medals don't mean anything and the glory doesn't last. It's all about your happiness. The rewards are going to come, but your happiness must be in just loving the sport and having fun performing-Jackie Joyner-Kersey.”*

While handling over this beautiful piece of creation to all readers, our feelings are not different than what above quote means. This task was indeed not an easy one but everyone's contribution and efforts made it possible. Our heartfelt gratitude goes to each one of them.

First and foremost, we are immensely thankful to our chairman, Hon'ble Shri. Radhakrishna E. Vikhe Patil, for being a pillar of strength by our side. We are simply running out of the words to thank enough to Hon'ble Mrs. Sushmita Mane, CEO, PRES, Loni; Hon'ble Shri Bharat Ghogare, Joint Secretary, PRES, Loni and Dr. Charushila J. Bhangale, Principal for showing belief in us to shoulder this huge responsibility. We hope that our team has lived upto the expectations and we become successful in creating this masterpiece.

We tried to incorporate every little thread of the success story of this institute in this magazine.

It would have been impossible for us to carry out this task without contribution of our student representatives and all other student magazine committee members.

We also thanks to all staff members from the magazine support committee. May this affectionate bond shall keep us together forever.

Wish you happy reading.

**...Dr. Sachin B. Somwanshi & Dr. Kiran B. Kotade**

### GOVERNING BODY

Sr. No.	Name and Address	Nomination	Designation
1.	Hon'ble Shri. Radhakrishna Eknathrao Vikhe Patil, Trustee, Pravara Rural Education Society	Nominee of Pravara Rural Education Society	Chairman
2.	Hon'ble Shri. Annasaheb Sarangdhar Mhaske Patil, Member of Pravara Rural Education Society	Nominee of Pravara Rural Education Society	Member
3.	Hon'ble Shri. Banshi Balu Tambe Patil Member of Pravara Rural Education Society	Nominee of Pravara Rural Education Society	Member
4.	Dr. Ramesh Unnikrishnan	Nominee of W.R.O., A.I.C.T.E., Mumbai	Ex. Officio Member
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7.	Mr.Santosh Mutkule Industrialist	Nominee of Industrialist/Technologist/Educationalist	Member
8.	Dr. D. V. Derle Educationalist	Nominee of Industrialist/Technologist/Educationalist	Member
9.	Prof. Dr. Pratima Tatke,	Nominee of University	Member
10.	Prof. Dr. K.T.V. Reddy, Director Technical , PRES, Loni	Nominee of Pravara Rural Education Society	Member
11.	Mr. B. V. Ghogare,	Joint Secretary, Pravara Rural Education Society, Pravaranagar.	Member
12.	Mr. V. A. Kashid	Nominee of the Faculty Member	Member
13.	Dr. S. B. Somwanshi	Nominee of the Faculty Member	Member
14.	Mrs. C. J. Bhangale	Principal	Member Secretary

## COLLEGE DEVELOPMENT COMMITTEE

महाराष्ट्रसार्वजनिक विद्यापीठ अधिनियम २०१६- नियम-९७(१) अन्वये प्रत्येक महाविद्यालयामध्ये स्थापन करावयाचं "महाविद्यालय विकास समिती" -

क)	व्यवस्थापनाचाअध्यक्ष किंवा त्यांची नामनिर्देशित व्यक्ती- पदसिध्दअध्यक्ष	१.	मा. नामदार श्री. राधाकृष्ण विखे पाटील - अध्यक्ष
ख)	व्यवस्थापनाचा सचिव किंवा त्यांची नामनिर्देशित व्यक्ती	२.	मा . भारत वसंतराव घोगरे
ग)	प्राचार्यकिंवापरिसंस्था प्रमुखाद्वारे नामनिर्देशित करावयाचा एक विभाग प्रमुख	३.	श्री . विवेकानंद अंकूशराव काशिद
घ)	पूर्णकालिक मान्यताप्राप्त अध्यापकांनी त्यांच्यामधूननिवडून दिलेले महाविद्यालयातील किंवा मान्यताप्राप्त परिसंस्थेतील तीन अध्यापक, यापैकी किमान एक महिला असेल.	४.	श्री . सचिन वाळकृष्ण सोमवंशी
		५.	श्री . विनायक मधूकर गवारे
		६..	श्रीम . वंदना प्रशांत आहेर
ड)	नियमित अध्यापकेतरकर्मचारी वर्ग यांनी त्यांच्यामधून निवडून दिलेला एक अध्यापकेतर कर्मचारी.	७.	श्रीम . रूपाली किरण थेटे
च)	व्यवस्थापनाने प्राचार्यांशी विचार विनिमय करून, शिक्षण, उद्योग, संशोधन आणि समाजसेवा या क्षेत्रातून नामनिर्देशित केलेले चार स्थानिक सदस्य, यापैकी किमान एक जण हा माजी विद्यार्थी असेल.	८.	मा . श्री . अण्णासाहेब म्हसके पाटील
		९.	मा . श्री . वन्सी वाळू तांबे पाटील
		१०.	मा . प्रा . डॉ . केटीव्ही रेड्डी
		११.	कु . झेवा मुल्ला
छ)	समन्वयकमहाविद्यालय अंतर्गत गुणवत्ता हमी समिती	१२.	कावेरी तुळशिराम वडितके
ज)	महाविद्यालय विद्यार्थी परिषदेचे सभापती व सचिव	१३.	कु . ऋतुजा नालकर
		१४..	कु . आरती आव्हाड
झ)	महाविद्यालयाचा प्राचार्य किंवा परिसंस्थेचा प्रमुख, सदस्य - सचिव	१५.	डॉ . चारुशिला जयंत भंगाळे

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

Chairperson	Dr. Charushila Bhangale
Administrative members	Hon'ble Dr. Haribhau Aher
Six Teachers	<ol style="list-style-type: none"> <li>1. Dr. Sachin B.Somwanshi</li> <li>2. Dr. Kiran B. Kotade</li> <li>3. Mr. Kiran B. Dhamak</li> <li>4. Dr. Anagha V. Baviskar</li> <li>5. Mr. Vinayak M. Gaware</li> <li>6. Mr. Vivekanand A.Kashid</li> </ol>
Management Representative	Hon'ble Shri Bharat Ghogare
Local Society	Hon'ble Shri Bansi Balu Tambe Patil
Eminent Alumni	Rohini Balkrishna Somwanshi Pharmacist (RBSK), Rural Hospital Dindori
Student	Miss. Sakshi Balu Govardhane
Nominees from Industry	<ol style="list-style-type: none"> <li>1.Mr. Narendra Hedge Managing Director, N.V. Pharma, Sinnar</li> <li>2. Mr. Santosh Mutkule Managing Director ,Sanprass Healthcare ,Sinnar</li> </ol>
Parents	Mr. Rajendra Ramesh Handore
IQAC Coordinator	Dr. Ramdas Tukaram Dolas
Non Teaching Member	Mr. Sunil Magar

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### IMPORTANT CONTACT NUMBERS

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Principal	Dr. C. J. Bhangale	9011140176
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Start up and Innovation Cell	Dr. R. T. Dolas	9657720340
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## TEACHING STAFF INFORMATION

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## ACADEMIC RESULTS 2020-21

<b>B. Pharm &amp; M. Pharm</b>			
<b>(Name of the Student with Percentage/CGPA)</b>			
F.Y. B. Pharm	1 <sup>st</sup> Rank	Pawar Anisha Nitin	9.126
	2 <sup>nd</sup> Rank	Darunte Rutuja Sunil	9.074
	3 <sup>rd</sup> Rank	Bhatjire Samruddhi Kiran	9.033
S.Y.B. Pharm	1 <sup>st</sup> Rank	Annie Dehraj	9.714
	2 <sup>nd</sup> Rank	Gangurde Rajeshwari Rajiv	9.643
	3 <sup>rd</sup> Rank	Shelar Komal Somnath	9.429
T.Y.B. Pharm	1 <sup>st</sup> Rank	Kale Shilpa Arun	9.133
	2 <sup>nd</sup> Rank	Jaju Payal Pavankumar	8.600
	3 <sup>rd</sup> Rank	Sanap Namita Vilas	9.067
Final Y. B. Pharm	1 <sup>st</sup> Rank	Kale Komal Namdeo	8.722
	2 <sup>nd</sup> Rank	Kangane Namrata Sudam	8.472
	3 <sup>rd</sup> Rank	Shinde Pratibha Sanjay	8.277
M. Pharm (QA)	1 <sup>st</sup> Rank	Lonare Mayuri Kiran	7.850
	2 <sup>nd</sup> Rank	Aher Jayshri Subhash	7.920
	3 <sup>rd</sup> Rank	Taralkar Poonam Dyaneshwar	7.760

## Average Result

Academic year	Class	Percentage result
2020-21	F. Y. B. Pharm	100 %
	S. Y. B. Pharm	100 %
	T. Y. B. Pharm	100%
	Final Y. B. Pharm	100 %
	F. Y. M. Pharm	100 %
	S. Y. M. Pharm	100 %

**GRANT RECEIVED: 2021-2022**

Sr. No	Details of Grant	Funding Agency	Amount of Grant
1	NSS	SPPU	32070.00
2	Student Welfare	SPPU	6000.00
Amount Received			38070.00

## PUBLICATION: 2021-2022

Sr. No	Name of the staff	No. of Papers published in International journals	No. of Papers published in National journals
1.	Dr. C. J. Bhangale	2	4
2.	Dr. V. A. Kashid	0	3
3.	Dr. R. T. Dolas	0	0
4.	Dr. K. B. Kotade	0	0
5.	Dr. S. B. Somwanshi	2	2
6.	Dr. A. V. Baviskar	1	1
7.	Mr. K. B. Dhamak	0	1
8.	Mr. V. M. Gaware	0	1
9.	Mr. V. D. Kunde	0	1
10.	Mrs. K. T. Vaditake	2	1
11.	Mr. M.T. Gaikar	0	1
12.	Mrs. Roma Sharma	0	1
Total		7	16

## SEMINAR/ WORKSHOP/ CONFERENCE ATTENDED: 2021-22

Sr. No	Name of Faculty	FDP	NPTEL/ ATAL/ STTP	Workshop/ Seminar/ Webinar/ Conference	Posters/ Papers Published Seminar/ Conference	Total
1.	Dr. C. J. Bhangale	1	2	4	2	9
2.	Dr. V. A. Kashid	0	0	1	0	1
3.	Dr. R. T. Dolas	1	2	3	0	6
4.	Dr. K. B. Kotade	0	0	3	0	3
5.	Dr. S. B. Somwanshi	2	4	5	1	12
6.	Mr. K. B. Dhamak	1	0	2	0	3
7.	Mr. V. M. Gaware	0	0	1	0	1
8.	Mr. V. D. Kunde	1	0	1	0	2
9.	Mrs. S. N. Bhandare	0	1	1	0	2
10.	Mrs. K. T. Vaditake	2	3	4	1	10
11.	Mr. S.G. Laware	0	0	1	0	1
13.	Mr. M.T. Gaikar	0	0	1	0	1
14.	Mr. R. D. Khaire	2	1	2	0	2
16.	Mrs. Roma Sharma	0	0	1	1	2
Total						55

## WEBINARS/ WORKSHOPS/GUEST LECTURE ORGANIZED 2021-22

Sr. No	Date	Event	Name of the Speaker	Topic
1.	29/06/2021	Webinar	Ms. Trupti Shimpi, IES's, Management College and Research Centre, Mumbai	Educational and Career Opportunities after B. Pharmacy"
2.	04/06/2021	Webinar	Mr. Swapnil Ghorpade, Director of Bausam IP Consultancy Pvt. Ltd. (Mumbai)	Intellectual Property Rights (IPR)
3.	01/07/2021	Awareness Programme	Dr. Gayatri M. Phade, Mentor, and Prof. Jagdish A. Patel, Incubator Manager, SANDIP™ Incubator Association	Entrepreneurship Awareness Programme In association with SANDIP™ Incubator Association, Nashik
4.	11/07/2021	Webinar	Ms Sunita Nawale Sr Executive Bioanalytical Quality Assurance Panexcell Clinical Lab Pvt Ltd Mumbai	Building Bridge between dream career and secure career
5.	25/08/2021	Webinar	"Strategy for GPAT and NIPER Preparation" in association with Pharmaelite	Strategy for GPAT and NIPER Preparation
6.	03/09/2021	Workshop	Conducted in association with KITE Ai Technologies Pune	Clinical Trials and Data analytics
7.	16/09/2021	Guest Lecture	Prof. Sanjay Vikhe, Assistant Professor, MBA, SVIT, Nashik	Carrier Guidance after Graduation
8.	08/10/2021	Webinar	Prof. Vandana	Guidance Program

			Barve, Director, Pacific Institute of Pharmaceutical management Nashik	on Bridging GAP between Academia and Industries in association with Pacific Institute of Pharmaceutical management Nashik
9.	13/10/2021	Webinar	Prof. Kalpesh Dandagvhal, Gokhale Edu Society's, Sir Dr. MS Gosavi COPER, Nashik	Guidance Program on Competitive examination
10.	15/11/2021	Webinar	Mr. Vishal Chaudhari In association with Clini India	Importance of Professional training and readiness for successful industrial training in association with Clini India
11.	27/11/2021	Workshop	Mr. Rajesh Chavan	Workshop on Personality Development
12.	10/12/2021	Seminar	Mr. Nitpal Singh, MITCON	Seminar on Pharmaceutical Industry A way Ahead
13.	13/12/2021	Workshop	Mr. Saurabh Suresh Bhosale	Workshop on Personality Development
14.	05/01/2022	Seminar	Mrs. Madhavi Meher, Director, Pacific Institute of Pharmaceutical Management, Nashik	Carrier Guidance for Pharmacy Graduates

## TRAINING AND PLACEMENT CELL

The Placement Cell constantly keeps in touch with the Industry to ascertain the technology advancement and plans well in advance for bridging any gap in addition to what students learn in their curriculum. In order to keep pharmacy professionals acquainted with the latest development in the field of pharmacy, the institute conducts training programs from time to time for students as well as academic staff.

The students are provided the platform for developing interpersonal, technical and business skill so that they can face the global challenges of today and the future.

To boost up the confidence gained during studies in class room and laboratories, the third year students have to undergo industrial training of 4 weeks duration. This activity is organized by student Training and placement Cell. This center is responsible for liaison with industries for getting good placement for students by arranging campus interviews.

Teaching faculty are also undergoing one week industrial training for getting aquatinted with latest technologies and recent trends followed in industries.

### OUR RECRUITERS

## PLACEMENT: 2021-22

Sr. No	Name of Students	Position	Organization
1	Ahire Kartika Shantaram	Trainee Production Officer	Glenmark Pharmaceuticals Nashik
2	Avhad Sonal Shivaji	Trainee Data Analyst	Advantmed LLP Gujrat.
3	Awari Shraddha	Trainee Data Analyst	Advantmed LLP Gujrat.
4	Bhabad Sonali	Pharmacist	Aditya Medical & general Store, Sinnar
5	Bhamre Ashwini	Trainee data Analyst	IKS Healthcare, Mumbai
6	Bodke Vrushali	Quality Assurance Officer, Sinnar	N.V Pharma, Sinner
7	Borade Vaishnavi Sopan	Medical Coder	Meril Lifescience Pvt Limited ,Gujrat
8	Borse Swati	Trainee, Q C officer.	Ipca Silvasa,
9	Gaikwad Neha Balasaheb	Microbiologist	Genome Biotech Pvt. Ltd.
10	Gajare Swapnali Vikram	Data analyst	Labcorp, Pune
11	Gavhane Komal	Data analyst	Episource: Payer Healthcare Analytics & Technology Solutions
12	Govardhane Sakshi Balu	Data analyst	Iks health care solutions
13	Jadhav Komal Vasanttrao	Medical coding	Gebbs Healthcare solutions, Aurangabad
14	Jadhav Puja Satish	Pharmacist	Dhanvantari Medical
15	Kadre Yogita Jitendra	Mankind MR	Mankind Lab, Mumbai

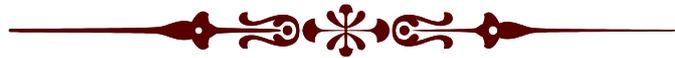
16	Landage Akshada	Pharmacist	Mitrasen Medical.Rahata
17	Pawar Pratiksha Dilip	Pharmacist	Shree Generic Medical, Nashik
18	Rathod Divya Ravindranath	Associate research analyst.	MacLeod's Pharma, Mumbai
19	Sadgir Urmila Rambhau	Medical Coding	Advantmed LLP, Gujarat
20	Salve Tejal Sanjay	Pharmacist	Retail Pharmacy Shop
21	Sarde Bhakti Gahininath	Medical coding	Gebbs healthcare solution, Aurangabad
22	Shinde Pratibha Sanjay	Medical coding	Gebbs healthcare solution, Aurangabad
23	Somwanshi Gayatri Sanjay	Pharmacist	Medical Shop, Swami medical
24	Temrikar Sana	Data analyst	Iks health care solutions
25	Vartak Manali	Pharmacist	Chirayu Super Speciality Hospital Chemist
26	Tajanpure Harshali	Pharmacist	Medical Shop
27	Donde Harsha Kailas	Pharmacist	Sanjivani Retail Pharmacy, Nashik

**MOU's: 2020-21**

<b>Sr. No</b>	<b>Name of the partnering Institution/ Industry/ Research Lab/ Corporate house with contact details</b>
1.	Kunde Dairy Farm ,Sinner
2.	IIT, Bombay
3.	RAP Analytical, Nashik.
4.	Sanprass Healthcare Sinner.
5.	Kite-Ai Technologies Pune
6.	Mediline Pharma, Sinner
7.	BausamIP Consultancy Pvt. Limited ,Mumbai
8.	Sandip Foundation Incubation Center ,Nashik
9.	Gupta Hospital, Shinde
10.	Yashwant Hospital, Sinnar



## SCIENTIFIC ARTICLE



**REVIEW-AYURVEDIC REMEDIES IN COVID-19**  
**Dr. Charushila J. Bhangale**  
**Principal, Department of Pharmaceutical Chemistry**

### **Introduction**

COVID-19 is a rapidly changing and evolving situation. World Health Organisation (WHO) is constantly monitoring it and updating the information available regarding its spread, mortality, and morbidity. So far in Modern Western Medicine (MWM), no cure has been found which is specific to COVID-19. There is plenty of evidence as to how Traditional Chinese Medicine (TCM) has been put to use in China to contain COVID-19.

Fever (Jwara) is well understood in Ayurveda and it occupies the first chapter in treatment (chikitsa) in two of the canonical texts of Ayurveda, namely Charaka Samhita and Ashtanga Hridayam. It deals with diagnosis (nidanam), pathophysiology (samprapti), classification, management, medicines, diet and prognosis. In this case, the fever was diagnosed as per his presenting symptoms as a Vata Kapha predominant one [4, Nidana Sthana, 2/25], necessitating appropriate management. Subsequently, the patient tested positive for COVID-19.

From the Ayurvedic point of view, COVID-19 is a janapadodhwamsa vikara (epidemic disease). The concept of an epidemic is described in Charaka Samhita: Vimana Sthana, Chapter 3. "even though there is dissimilarity in the physical constitution of human beings, still there are such factors which are common to all individuals and vitiation of these factors leads to the simultaneous manifestation of diseases having the same set of symptoms leading to the destruction of countries. Factors which are common for all the inhabitants of a country are air, water, location and seasons." Janapadodhwamsa is a situation where the environment - air, water, land and seasons - is vitiated, causing a simultaneous manifestation of a disease among large populations (epidemic), destroying human habitations.

### **Treatment Approach in Ayurveda**

In Ayurveda, Acharya charak had said that is no shame if the physician is not able the name the disease, because it is not always possible to give exact name of all type of diseases. When the same Dosha get aggravated they may cause numerous illness, which is depending upon the different types hetu (etiological factor) and sthan (site of manifestations). That's why, the physician should understand the nature of vyadhi (disease) through Dosha, the shathansanshrya (site of manifestations), hetu( etiological factor) after that treatment should initiated. Therefore during diagnosing of a new disease, it is necessary to have the full knowledge about scriptural instruction. With this knowledge one would never fail to treat the disease. To understand the new unknown disease Acharya charak had given the second methodology to

understand an unknown disorder, which is based on Aptopdesha pariksha. They are adhi sthan( location), vedana( pain), Sam sthana( clinical feature), yoni( site of origin), atmanam( cardinal symptom) etc.

### **In Ayurveda there are 3 types of the treatment are explained**

1. Deva viprashya
2. Yukti viprashya
3. Satwa vijaya

Basic line of treatment is Nidan parivarjan, avoid the travelling, Divaswapna, shwta padartha sewan avoid.

In Deva viprashya, this is also a sukhshyam chikitsa. According to Acharya charak Mantra Chikitsa is very beneficial in these conditions this is also accepted by the modern science as a raga therapy.

In yukti viprashya, Aushadi is given according to the Dosha, vikruti, Dushya. In this condition, treatment is given according to the vatasleshmak jwara.

Ayurveda has explain In the diagnostic part, different pathologies of fever has been elaborated , keeping Rasadhatu at center. Pitta is the essential driver of jarwa which is also key factor for Raktapitta. In majority of cases consistent fever is responsible for blood pathologies. Embiryolgically, respiratory units are the byproduct of Rakta dhatu according to Ayurveda which shows close resemblance to Covid-19 prognostic view. Vitiated kapha and vata are responsible for thrombus formation which can be understood as coagulopathies for thrombus formation which can be understood as coagulopathies in Covid-19.

Considering Ayurvedic medicines, diet and regimen were advised. The treatment is planned in three stages- stage 1: Amapachana and Doshapachana treatment (Digestion of indigested body toxins), stage 2: after achieving kapha ksheen stage ( low kapha). vata and pitta pacification treatment, stage 3: for enhancing Agni( Digestion) and Bala(strength). In Santa avastha (indigested toxins), Amapachana and Doshapachana was aimed. Medicines having kapha, vata, Ama pacifying effects were preferred contemplating kapaha vata dominance. Kanthakubja sannipat, a type of fatal jarwa lists close symptoms and prognosis as Covid-19. Shurungyadi decoction has been mentioned as prominent medicine for the same. Contents of shurungyadi decoction are helpful in Ama and Dosha pachana treatment along with that they have affinity towards pranavtha srotas. Dwidoshaj jwara can be fatal and get converted in sannipataj jwara ( fatal Combination in three Doshas) considering this Dwatridashang decoction has been selected. Aagantuj jwara describes various fevers due to extrinsic factors. Bilvadi gulika has been selected in accordance with this. Also AYUSH has included Bilvadi gulika in guidelines for Ayurveda practitioners for Covid-19. Dashang dhoopana ( Ayurvedic fumigation) used as potent disinfectant of rooms

and environment. It helps preventing outbreak of epidemics and pandemics. Shadangodak (medicated water) has been mentioned in jwara treatment for Aampachana (Digestion of body toxins) and pitta maintenance. So helpful in prevention of prognosis. In second stage, after Ama pachana (digestion of indigested body toxins), only shitopaladi churna was continued for improving Agni and Dhatu strength. This medicine has been listed for Rajayakshama in Ayurveda and majorly prescribed for tuberculosis, viral respiratory infection, pneumonia, bronchitis, pharyngeal and chest congestion. Broadly, shitopaladi churna has affinity towards pranavtha srotas (Respiratory system). So might be useful in post Covid lung complications.

Considering the body constitution of patients ( vata, pitta, prakriti), past complaints, present Varsha ritu ( Rainy season) and related pitta Dosha sanchyan ( natural accumulation of pitta Dosha) and coming season ( Sharad - pitta, prokop, kala) shadangodak and shitopaladi churna has been selected to maintain pitta Dosha. In the recovery stage, vyadhisthana viz affected organ has been targeted. Drakshasva is one of the preferred medicine in respiratory tract disease, has dried fruits of virus vinifera as chief ingredient. It has proven efficacy against ongoing inflammatory process underlying respiratory problem through inhibition of histamine release, cytokine production, improving lung functioning by counteracting allergen induced bronchial hyper responsiveness; and blocking the release of inflammatory cellular infiltration (eosinophils, lymphocytes, neutrophils) into airways.

### **Conclusion**

Acharya charak had explained that without having knowledge about the modern or new disease one can treat it by the methodology of understanding the unknown disease that's Aptopdesha pariksha. Aptopdesha pariksha are Adhishtan ( location), samsthan( clinical feature), Nidan ( causative symptoms), yoni( site of origin), Amman( cardinal symptoms), etc.

Similarly, in Covid-19 which is new disease having the Atmanam (cardinal symptoms) same as vatasleshmak hear. They are fever ( jwar), cold( pratishya), cough(kasa), etc. And having related Agantuja hetu (causative factors). In this case the vatasleshmak hear Chikitsa (treatment) can be beneficial to manage the disease at some extent, if the Rogi bala is stronger than Roga bala. With extensive review of Ayurvedic approach towards Covid-19 it can be possible to overcome this disease by preventing and curing it with the help of basic principles of Ayurveda. Ayurvedic approach for management of Covid-19 with these principle & knowledge can become a ray of hope in current scenario.

**COMMON PEOPLE WITH INSPIRATIONAL MISSION****Mr. Kiran B. Dhamak****Assistant Professor, Department of Pharmaceutical Chemistry**

Struggle, difficulties, failures are faced by everyone, in this world no one can say that they have been living struggle free life or they haven't faced any failure yet, many think or many people have a myth that successful people become rich and successful because of their luck and they don't face any failure or bad times, as I said it's a myth, every individual in this world faces problem and failure, but the only difference between successful people and normal people is, that they never give up until and unless they don't achieve what they always dreamed about.

People become successful when they have strength and courage to stand up after falling and move on with the same vision which they had in their mind about their goals, As it says" FALLING DOWN IS AN ACCIDENT BUT STAYING DOWN IS A CHOICE." And successful people never stay down they move on in order to achieve their dream and goals, today I will share India's few successful people list who failed/struggle but didn't give up and finally achieve their dream life and become successful.

**Paulami Patel**

12-year-old Paulami could have never foreseen that her family's traditional summer vacation to Hyderabad in 2001 would change her life forever. That year, a terrible accident left her with 75-80 per cent burns and an amputated arm. Paulami was shattered – but not so much that she could give up on life. With her parents as her ultimate pillars of support, this fighter took the reins of her life in her own hands, literally. Sixteen years and 45 surgeries later, Paulami is perhaps one of the most resilient and strongest persons you will ever meet. She now runs her family business, which deals with heavy machinery, and is happily married to her childhood sweetheart.

**Dr Umesh and Dr Ashwini Sawarkar**

When their three-month-old daughter passed away following a road accident, the first thought that came into the minds of Dr Umesh and Dr Ashwini Sawarkar was to donate their only child's organs. For organ donation was their only hope to keep their daughter alive through somebody else. As much as their poignant thought was noble, a grotesque reality awaited the grieving parents. Many grey areas existed in the field of infant organ donation, and their one last hope of donating their baby's organs sadly didn't find the light of the day. By the time the formalities were completed, the procedure was no longer a viable option. To address this void and draw the attention of the government and Ministry of Health, Dr Umesh wrote a heartbreaking letter to the Prime Minister. The viral message has now become a hope for parents in India.

**Dadarao Bilhore**

Dadarao Bilhore lost his 16-year-old son to a road accident – thanks to a pothole. Within a month of the child’s tragic demise, Bilhore began a crusade that changed into a lifelong journey. He now fills up every single pothole he comes across in Mumbai. Armed with broken paver blocks, gravel, stones and a shovel, from 2015 to date, he has filled over 600 potholes. Known as the ‘Pothole Dada of Mumbai’, he has also been relentlessly fighting to bring legal justice against errant contractors and civic authorities and does not plan to quit until fair reparations have been made.

**Murukan S.**

It was the kindness of a stranger that put a roof over Murugan’s head, who had lived many years of his childhood on the streets of Kochi while scavenging through garbage to fill his stomach. When he could finally manage to fend for himself, he decided to return the favour by embarking on a lifelong mission to ensure that the homeless in his city will have someone to care for them. Through his organisation, Theruvora Pravarthaka Association, Murugan has rescued thousands of homeless children, elderly and ailing people from across Kerala over the last two decades and has given them a sense of dignity that even the state government failed to provide.

## A BRIEF REVIEW ON PHARMACOLOGICAL TREATMENTS FOR COVID-19

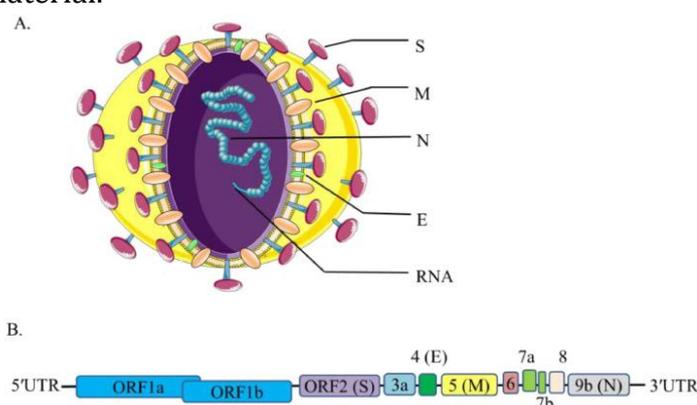
Dr. Sachin B. Somwanshi

Assistant Professor, Department of Pharmaceutics

### Introduction

Coronavirus disease (COVID-19) is a disease caused by a novel coronavirus now known as severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2; formerly known as 2019-nCoV), which was initially detected in Wuhan City, Hubei Province, China, during an outbreak of respiratory sickness cases. In January 2020 this previously unknown virus was named corona virus, this name was given by WHO [World Health Organization] in Feb. 2020.

The coronaviruses (CoVs) belong to the genus Coronavirus, the family Coronaviridae, and the order Nidovirales. They are enveloped and have a non-segmented, single-stranded, positive-sense ribonucleic acid (ssRNA+) as their nuclear material.



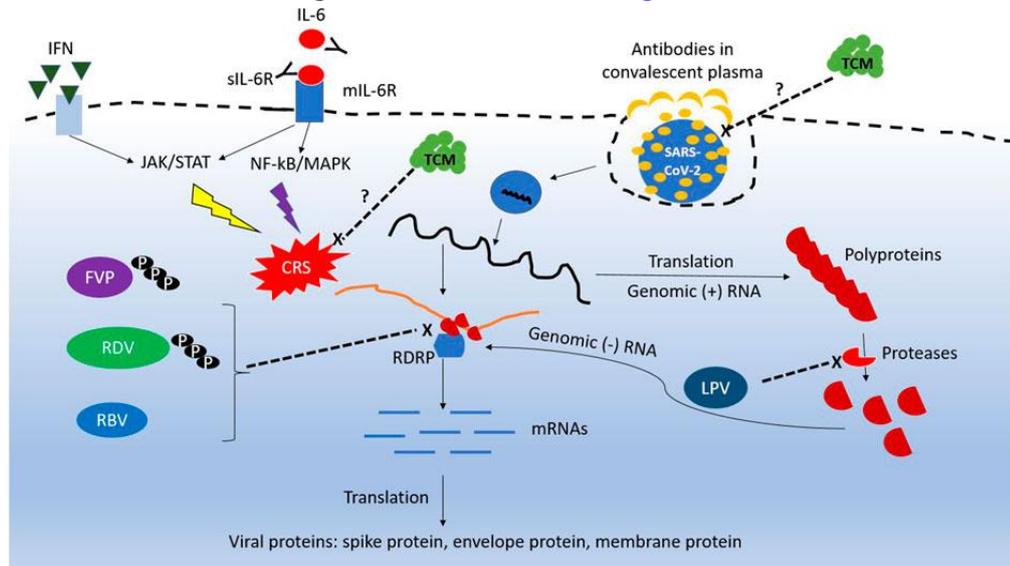
**Figure 1:** Structure and genome of severe acute respiratory syndrome coronavirus 2

According to the World Health Organization (WHO), and preliminary research results, the infection with SARS-CoV-2, which was initially called as novel coronavirus disease 2019 (nCOVID-19), could result in a human infection that presents with signs and symptoms that include fever, dry cough, dyspnea, fatigue, and lymphopenia. Occasionally, human infections may lead to complications such as pneumonia, severe acute respiratory syndrome (SARS), and even death.

### Review for selected reprocessed drugs

Early in the pandemic, knowledge of COVID-19 and its therapeutic management was inadequate, prompting a rush to develop experimental therapeutics and repurpose drugs to combat this novel viral infection. Since then, because to the persistent work of clinical researchers around the world, substantial progress has been made, resulting in a greater understanding of not only COVID-19 and its management, but also the rapid development of innovative therapies and vaccines.

Most drugs currently used for COVID-19 are approved antiviral agents or antibodies against diseases other than COVID-19. The conceptual antiviral mechanisms for these drugs are summarized in [Figure 2](#).



**Figure 2:** Conceptual diagram of the mechanism for repurposing antiviral agents against SARS-CoV-2.

- 1. Remdesivir** is a broad-spectrum antiviral agent that previously demonstrated antiviral activity against SARS-CoV-2 *in vitro*. Based on results from three randomized, controlled clinical trials that showed that remdesivir was superior to placebo in shortening the time to recovery in adults who were hospitalized with mild-to-severe COVID-19, the U.S. Food and Drug Administration (FDA) approved remdesivir for clinical use in adults and pediatric patients (over age 12 years and weighing at least 40 kilograms or more) to treat hospitalized patients with COVID-19.
- 2. Lopinavir/ritonavir** is an FDA-approved combo therapy for the treatment of HIV and was proposed as antiviral therapy against COVID-19 during the early onset of the pandemic.
- 3. Ribavirin:** Ribavirin is a guanosine analog and acts against both RNA and DNA viruses. It acts by multiple mechanisms. It interferes with the functioning of polymerase enzyme. It also causes the destabilization of viral RNA and also inhibits inosine monophosphate dehydrogenase and thereby inhibits the formation of guanosine. It has shown its efficacy in SARS-CoV and MERS-CoV epidemic.
- 4. Favipiravir:** Favipiravir has been shown its efficacy in the treatment of influenza, and Ebola virus is basically a prodrug and acts by inhibiting RNA-dependent RNA polymerase inhibitor.
- 5. Other Antivirals**

Oseltamivir, a neuraminidase inhibitor approved for the treatment of influenza, has no documented *in vitro* activity against SARSCoV-2.

Umifenovir (also known as Arbidol) is a more promising repurposed antiviral agent with a unique mechanism of action targeting the S protein/ACE2 interaction and inhibiting membrane fusion of the viral envelope.

### Other drugs for COVID-19 infection

1. **Hydroxychloroquine and chloroquine** were proposed as antiviral treatments for COVID-19 initially during the pandemic. However, data from randomized control trials evaluating the use of hydroxychloroquine with or without azithromycin in hospitalized patients did not improve the clinical status or overall mortality compared to placebo.
2. **Ivermectin** is an FDA-approved anti-parasitic drug used worldwide in the treatment of COVID based on an *in vitro* study that showed inhibition of SARS-CoV-2 replication.
3. **Interferons** has been noted in the previously published literature that IFN-I treatment has activity against MERS-CoV and SARS-CoV.[20] It has been investigated in numerous experiments both *in vitro* and *in vivo*.
4. **Tocilizumab** is an anti-interleukin-6 receptor alpha receptor monoclonal antibody that has been indicated for various rheumatological diseases. The data regarding the use of this agent is mixed. It was suggested in recent literature that IL-6 is one of the most crucial cytokines which was documented to be involved in COVID-19-induced cytokine storms. Thus, tocilizumab emerged as one of the treatment strategies among COVID-19-infected patients.
5. **Gimsilumab:** Gimsilumab is a fully human monoclonal antibody. Granulocyte-macrophage colony-stimulating factor (GM-CSF) is documented to be involved in hyperinflammation of the lung and increase in pro-inflammatory cytokines and chemokines. Gimsilumab is thought to act on these GM-CSFs.
6. **Baricitinib** is an oral selective inhibitor of Janus kinase (JAK) 1 and JAK 2 currently indicated for moderate to severely active rheumatoid arthritis patients. Baricitinib was considered a potential treatment for COVID-19 based on its inhibitory effect on SARS-CoV-2 endocytosis *in vitro* and on the intracellular signaling pathway of cytokines that cause the late-onset hyperinflammatory state that result in severe illness.
7. **Ruxolitinib** is another oral selective inhibitor of JAK 1 and 2 that is indicated for myeloproliferative disorders, polycythemia vera, and steroid-resistant GVHD.
8. **Convalescent plasma:** CP or immune plasma has materialized as one-fourth buoyant treatments for COVID-19 infection. Plasma that is collected from an infected individual which is then transfused into infected patients as a post exposure prophylaxis is termed as CP. Antibodies that are derived from CP are able to neutralize a virus by inhibition of its replication.

### **Immunomodulatory Agents**

- 1) **Corticosteroids:** The use of corticosteroids is to decrease the host inflammatory response in lung which may lead to acute respiratory distress syndrome (ARDS) and lung injury. It can cause adverse effect including the risk of secondary infection and delayed viral clearance.
- 2) **Anticytokine:** Monoclonal antibodies directed against key of inflammatory cytokines and the innate immune response represent potential class of adjunctive therapies for COVID 19.

### **Vaccine for COVID-19**

The most effective long term strategy for long term prevention of future outbreaks of this virus would be the development of vaccine providing protective immunity. A minimum of 12 to 18 month would be required before wide spread vaccine development. India is currently administering AstraZeneca's COVID-19 vaccine, which is manufactured by the Serum Institute and branded Covishield, and a shot developed by Bharat Biotech called COVAXIN.

### **Conclusion**

The COVID-19 pandemic is still severe, and most of the drugs currently available for COVID-19 are not designed specifically against SARS-CoV-2. The search for effective antiviral agents specific to SARS-CoV-2 is still ongoing. The potential drugs for COVID-19 are summarized in to the current review. In conclusion, in addition to antiviral medications, the COVID-19 vaccine is the most promising option for ending the present pandemic. Patients in the early stages of COVID-19 may benefit from antiviral drugs. In addition to antiviral therapy, anti-inflammatory agents may aid crucial in COVID-19 patients with cytokine release syndrome. When used with other antiviral drugs, traditional Chinese medicines may offer advantages in terms of immunomodulation and virus suppression.

## ***A NOVEL, INNOVATIVE HERBAL ANTIVIRAL MOUTHRINSES***

**Ms. Kaveri T. Vaditake**

**Assistant Professor, Department of Pharmaceutical Chemistry**

### **Introduction**

The sudden onset, outbreak, and pandemic of COVID-19 began in late 2019, causing widespread problems and concerns. A hospital study on the COVID-19 crisis recommended the use of the mouthwash for patients and staff of the health department who are in direct contact with COVID-19 patients. Gargling this mouthwash has also been suggested in several studies to reduce viral load and thus to control oral hygiene and respiratory tract. This procedure reduces the risk of the virus spreading during coughing, sneezing, and even talking, and it may thus be effective in controlling the COVID-19 epidemic.

The use of the mouthwash has also been recommended in people with a high risk of respiratory infections to reduce other pathogens in the oral flora and thus to prevent the infection and accelerate recovery in these patients.

### **Origin of proposal**

There are at least three different pathways for COVID-19 to present in saliva: firstly, from COVID-19 in the lower and upper respiratory tract that enters the oral cavity together with the liquid droplets frequently exchanged by these organs. Secondly, COVID-19 present in the blood can access the mouth via crevicular fluid, an oral cavity-specific exudate that contains local proteins derived from extracellular matrix and serum-derived proteins. Finally, another way for COVID-19 to occur in the oral cavity is by major- and minor-salivary gland infection, with subsequent release of particles in saliva via salivary ducts.

Dentists need to focus the patient positioning, hand hygiene, all personal protective equipment (PPE), and safety measures in the production of aerosol production, as preventive measures to prevent COVID-19 infection. As the present study showed, antiviral mouthwashes play a certainly important role in reducing the viral load of the salivary virus.

By considering the study, the use of mouthwash alone has the same effect as mouth washing and brushing, and since it is easier for patients to use mouthrinses, it is very important to investigate the use of mouthrinses in this regard.

### **Definition of problem**

Herbal have proved beneficial role exhibiting the antiviral activity and pays specific attention for respiratory virus infection. The aim of this study is to gather information on medicinal plants with antiviral activity, against COVID-19. Herbal plants like Echinacea (Asteraceae) Flower, Cinchona bark, *Spondias mombin*, holy basil leaf powder, Neem leaf extract (*Azadirachta indica*), *Zingiber*

*officinale*, *Ficus racemosa L.*, *Glycerrhiza glabra*, *Zizyphys vulgaris*, *Sisymbrium iori*, *Borago officinallis etc.* are mentioned exhibiting the therapeutic potential antiviral activity for respiratory virus infection hence in present work extracts of these plants will used for the treatment of same in the form of novel, innovative herbal mouthrinses.

**Importance of the project:**

The antiviral mouthwashes play a certainly important role in reducing the viral load of the salivary virus. In the present study, this importance could be proved in two different aspects, considering the use of mouthwash before dental procedures to reduce the risk of transmission of the virus to the dental team and the use of this mouthwash in COVID-19 patients to help improve systemic problems associated with oral microbial flora.

**Expected outcomes from the project:**

The formulated polyherbal mouth rinses could efficiently reduces the viral load of the salivary virus. This mouth rinses will be appealing in appearance, taste and freshness. It is healthy and environment friendly, and can even be used as a homemade mouthwash with easily available components in order to improve our oral hygiene.



## MARATHI SECTION



||सोबत||

एकटया सुईचा स्वभाव टोचणारा असतो.  
परंतु धागा सोबतीला आला की हाच  
स्वभाव बदलून एक दुसऱ्यांना जोडणारा  
दुवा बनतो...  
म्हणून एकटेपणा नको तर चांगली  
सोबत हवी...  
त्यासाठी आपला योग्य धागा निवडा..!

...संध्या जाधव (Final Year B. Pharm)

शेतकरी राजा.....

माझ्या मातीत मातीत  
मला कष्टच करू दे  
तुझे नांगर फिरू दे  
मला मातीत हिंडू दे ||1||  
मला बी बियाणे पेरू दे  
तुला वैरण देऊ दे  
तुझे पोटाच भरू दे ||2||  
माझ्या मातीत मातीत  
माझ्या काष्टातून मला यश मिळू दे  
या मातीचा सुगंध माझ्या मनात बसू दे ||3||  
माझ्या मातीच्या ममतेतुन थोडेसे  
प्रेम ही मिळू दे  
माझ्या मातीत मातीत ||4||

...सोनाली गाजरे (F.Y. B. Pharm)

कातरवेळी किनाऱ्यावरून चालताना उर भरून  
येतो  
आसवांचा एक पाऊस हलकेच डोळ्यातून बरसतो

कातरवेळी किनाऱ्यावरून चालताना  
आठवणी दाटून येतात संमिश्र भावनांच्या लाटा  
हृदयाला स्पर्शन जातात

कातरवेळी किनाऱ्यावरून चालताना अचानक  
एकाकी वाटते  
मागे उरलेले संचित बोचणी इतकेच टोचते

कातरवेळी किनाऱ्यावरून चालताना रिक्त  
व्हायला होते  
नभांत उतरलेल्या रंगांनी मोहितं व्हायला होते

कातरवेळी किनाऱ्यावरून चालताना  
बरेच काही घडते एकातांत अवचित आपल्याला  
जगण्याचे सार कळते..

.... अंजली दिवटे  
(Final Year B. Pharm)

### शिक्षक

पुर्वीचे शिक्षक कसे हातात छडी घेऊन असायचे  
शिक्षक कानाकोपर्यातून दिसले कुठे की,  
विद्यार्थी सैरावैरा पळायचे.  
विद्यार्थी कुठे चुकला तर कान धरून पिळायचे  
आई-बाबाच्या कष्टाची जाणीव ठेवून शिकत,  
शिक्षेला छडीसाठी हात पुढे करायचे.  
हातावर बसणारा छडीचा मार  
जादूच्या छडीप्रमाणे जादू करायचा,  
कधीही पास न होणारा विद्यार्थी  
वर्गात प्रथम क्रमांक आणायचा.  
बदलत्या काळानुसार हरवूनच गेली छडी,  
शास्त्रज्ञ, लेखक, औषधनिर्माता, शिक्षक  
घडवून त्याच शिक्षकांच्या विद्यार्थ्यांनी घेतली  
प्रगतीत उंचउडी,  
त्याकाळातला शिक्षक मला आज सारखाच भासतो  
माणसाला माणूस बनवणारा शिक्षक मला  
देवता प्रमाणे वाटतो  
असते का त्या ज्ञानदानाला सिमा किंवा प्रमाण?  
अश्या माझ्या सर्व गुरूजनांना माझा  
कोटी कोटी प्रणाम!!

.... ऋतुजा धर्मराज पोमनर  
(Third Year B. Pharm)

## उठ मानवा जागा हो क्रांतीची तू ज्योत हो

आजच्या काळातील सर्वा त महत्वाची आणि गरजेची गोष्ट बनलेली बाब म्हणजे स्वतातील क्रांतीज्योत पेटवणे. क्रांतीज्योत आपल्या मनात एकदा पेटली की, असंख्य अंधारलेल्या दऱ्याखोऱ्यातील प्रेरणारूपी धगधगत्या मशाली पेटल्या शि वाय राहणार नाही.का आपण विचार करायचा? कि , ति थे प्रकाश पडणे अशक्य आहे. तेथे स्वतः ला एकदा लोकहि तकारी ज्वलत अग्नीने पेटवले की,न आपण स्वतः अंधारमय राहतो, न कि दुसऱ्याला ही त्या दरीखोऱ्यात कोसळतांना फक्त खंत व्यक्त करत बसण्याची वेळ येते .तर ओळख मानवा ही संधी तू तुझ्या आयुष्यातील येईल अंधारलेल्या रात्री नंतर प्रकाशमय पहाट फक्त ठेवून हिम्मत जागवून आशा घेवून निष्ठा कामाला मानवा सुरुवात कर.

हा करेल तो करेल  
वाट कधी बघू नको,  
अंधारमय भ्रष्टाचारी लोकांना तू ,  
मोकळीक देवू नको.  
उठ मानवा जागा हो ,  
अंधारात तू राहू नको.  
क्रांतीचा तु धागा होवुन  
पेटव तू नव्याने लख्ख ज्योत  
तुच आहेस फक्त तू  
या काळासाठी,  
क्रांतीची मशाल क्रांतीची लख्ख ज्योत .

....ऋतुजा धर्मराज पोमनर  
(Third Year B. Pharm)



## HINDI SECTION



अजब गजब हैं राहें जिंदगी की कुछ पाना है तो बहुत कुछ छोड़ना पड़ेगा।  
भारी पंखों के बोझ से ऊँची उड़ान कब तक भरेगा।  
दाग सारे दिल के दे मिटा हकदार तू जीत का तभी बनेगा।

...संध्या जाधव (Final Year B. Pharm)

### बचपन

बचपन के भी क्या दिन थे ना  
ना कोई जरूरी था, न कोई जरूरत थी  
न कसी क मया थी, न कसी क यादे  
न सपने देखते थे, न सपने टूटते थे  
न झुटे वादे थे, न झुठे लोग  
एक छोटे से एक रुपये के लोलीपोप मे भी  
बहुत खुश होते थे हम  
नन्हे सपने थे, नन्हे ख्वाब  
ऊन नन्ही ख्वाब  
ऊन नन्ही सी आखो मे खु शया थी साफ  
न कोई कस्मे थी न कोई यादे  
साफ थे सार सारे इरादे  
दिन भर खेल कुद कर  
निंद मा की गोद के आ शयाने मे अति थी  
दो मा भी हमे दिन भर दून्ढ दून्ढ कर थक जाती थी  
बाबा के के तो लाडले थे हम, पुरा जहा बसता बाबा मे  
गया तो बचपन, बाकी रहि बस यादे  
अब बचपन का दो रुपय्या आगे भाग रहा है  
हम उसके पीछे.....



**ENGLISH SECTION**



## **Life**

Some moments to live,  
Some moments to cry,  
Flashes of my past,  
Reality of my present,  
Some roads, I want to travel,  
Some roads life made me travel.

Walls few I broke,  
Walls few fell on its own,  
Some dreams, I wanted to see,  
Some nightmares life kept me showing,  
Few initiatives, I didn't take,  
Few opportunities taken away from me,  
Life, I designed for myself,  
Life that designed me....

## **Rose Within**

To all the girls out there, just remember that;  
Bulgy lips, pretty eyes, a honned tanned beach body is all a lie.

Those stretch marks you loathe,  
are roads for someone to explore the beauty you hold.

After all, beautiful is not the body,  
Dressed in a thong, it's the one pierced in thorns;  
to protect the rose within....

.....Annie Dehraj

**PHARMACY!! PHARMACY!!**

**Effects of Drugs**

Overdose of histamine causes histamine shock,  
Nifedipine , Verapami l causes calcium channel block.  
Levodopa gives anti-parkinson effect,  
For Treatment of Psychosis, tranquillizers are perfect.

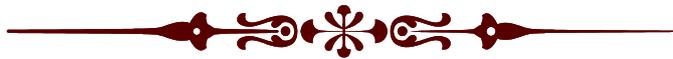
Angina Pectoris creates pain over the chest,  
As an anti-angina drug Nitro glycerine is the best.  
Salbutamol is used to treat Asthma and heart block,  
But adrenaline reduces Anaphylactic shock.

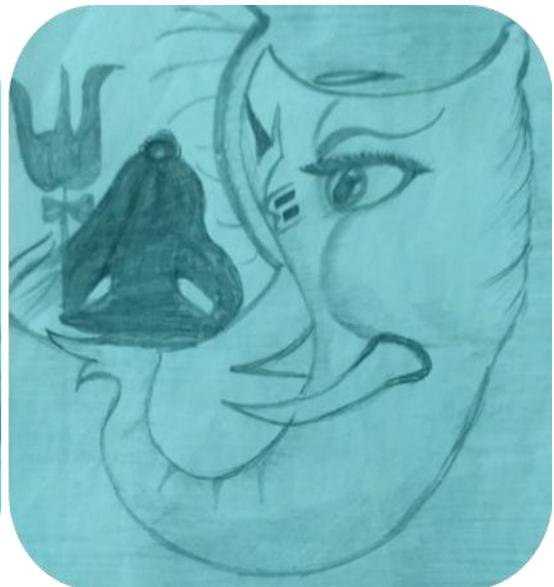
Auto Immune disease is Myasthenia Gravis,  
But overdose of Anti Cholinesterase causes cholinergic crisis.  
Bacterial antibiotics kill bacterial germ,  
Oxytocin indication is induction of labor in term.

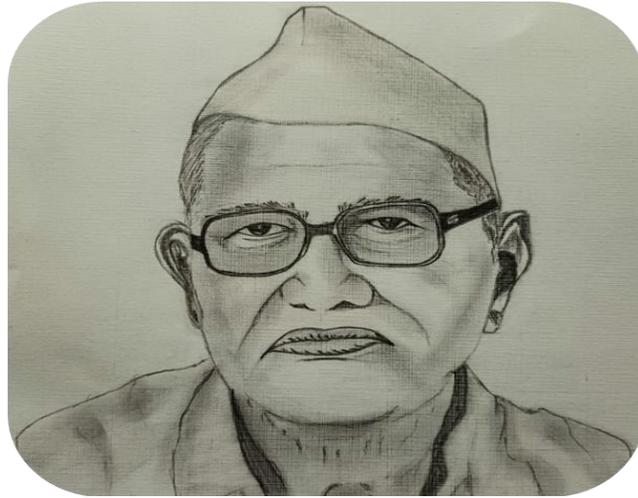
Studying these gives pressure on brain,  
But after all only these drugs relief our pain.



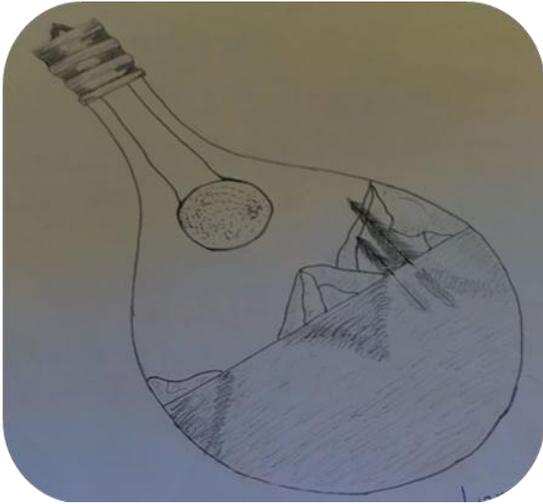
## STUDENT GALLERY



















## PHOTO GALLERY



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Moh, Maharashtra, India  
 WW5M+HM6, Moh, Maharashtra 422102, India  
 Lat N 19° 54' 31.8672"  
 Long E 73° 56' 5.9208"  
 20/12/21 10:55 AM



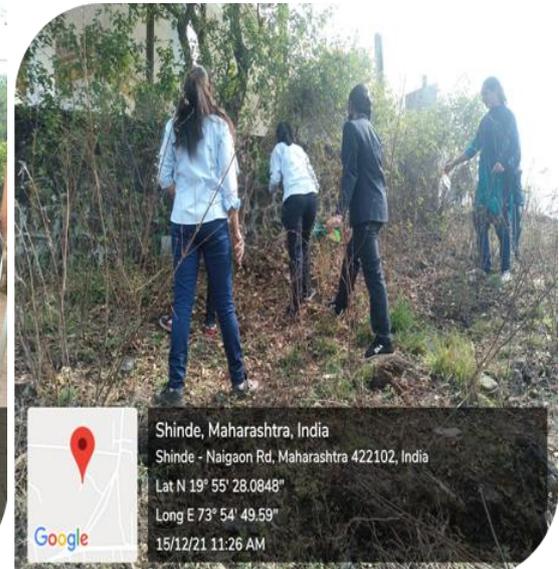
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 Sinner highway, Moh, Maharashtra 422102, India  
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 Moh, Maharashtra 422102, India  
 Lat N 19° 54' 32.9004"  
 Long E 73° 56' 0.7944"  
 19/12/21 11:07 AM



Shinde, Maharashtra, India  
 Administrative Block, Maharashtra 422102, India  
 Lat N 19° 53' 11.2056"  
 Long E 73° 55' 58.2672"  
 15/12/21 12:50 PM



Shinde, Maharashtra, India  
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 Lat N 19° 55' 28.0848"  
 Long E 73° 54' 49.59"  
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COLLEGE INFRASTRUCTURE

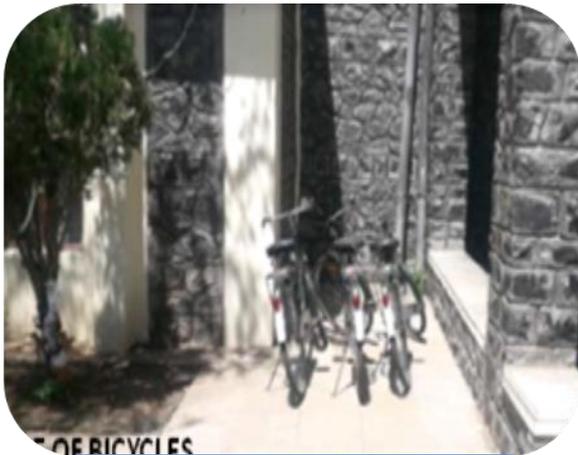


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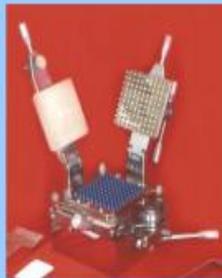
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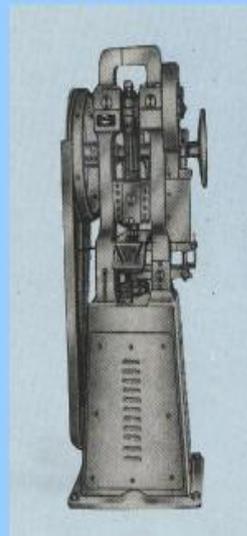
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## प्रवरा कॉलेजच्या दोन जणींना नोकरी



प्रियंका बोटे निशा पगार  
म. टा. वृत्तसेवा, नाशिकरोड

प्रवरा ग्रामीण शिक्षण संस्थेच्या चिंचोली (ता. सिन्नर) येथील औषध निर्माणशास्त्र महिला महाविद्यालयाच्या दोन विद्यार्थिनींना औषधनिर्मिती कंपन्यांमध्ये प्लेसमेंट मिळाली असल्याची माहिती प्राचार्या डॉ. चारुशीला भंगाळे यांनी दिली.

प्रियंका बोटे हिची सिन्नर येथील एन. व्ही. फार्मा या कंपनीत तर निशा पगार या विद्यार्थिनीची नाशिकमधील ऑक्सयजन प्रा. लिमिटेड कंपनीत औषधनिर्माता या पदावर निवड झाली आहे. प्रा. डॉ. आर. टी. डोळस, व्ही. डी. कुंदे आदींनी प्रयत्न केले.

## औषधनिर्माणशास्त्र महाविद्यालयात एडस जनजागृती मोहीम

**लोणी :** चिंचोली येथील औषध निर्माण शास्त्र महाविद्यालयात दोडी ग्रामीण रुग्णालय व समर्पण फौंडेशन नाशिक यांच्या संयुक्त विद्यमाने एडस जनजागृतीचे आयोजन करण्यात आले होते. राष्ट्रीय सेवा योजनेतर्गत व्याख्यान माला व एडस चाचणी शिबीर संपन्न झाल्याची माहिती प्राचार्या चारुशीला भंगाळे यांनी दिली. यावेळी समुपदेशक विलास बोडक व राजकुमार आणेराव यांनी स्वातंत्र्याचा अमृत महोत्सव संकल्पना व एचआयव्ही चाचणी, असमानता संपवा एडस संपवा, या घोषवाक्याचे महत्व समजावून सांगितले. या शिबिरासाठी विकास कुंदे व कावेरी वडीतके यांचे सहकार्य लाभले.

## बी-फार्मसीत एडस जनजागृती मोहीम

**लोणी :** चिंचोली येथील औषधनिर्माणशास्त्र महाविद्यालयात दोडी ग्रामीण रुग्णालय व समर्पण फौंडेशन नाशिक यांच्या संयुक्त विद्यमाने एडस जनजागृतीचे आयोजन करण्यात आले होते. राष्ट्रीय सेवा योजने अंतर्गत व्याख्यानमाला व एडस चाचणी शिबीर संपन्न झाल्याची माहिती प्राचार्या चारुशीला भंगाळे यांनी दिली. यावेळी समुपदेशक विलास बोडक आणि राजकुमार आणेराव यांनी 'स्वातंत्र्याचा अमृत महोत्सव संकल्पना' व 'एचआयव्ही चाचणी', 'असमानता संपवा एडस' संपवा ह्या घोषवाक्याचे महत्व समजावून सांगितले. सदर शिबिरासाठी विकास कुंदे व कावेरी वडीतके यांचे सहकार्य लाभले.



**लोणी :** चिंचोली येथे श्रमसंस्कार शिबीर जनजागृती करताना सुदाम बोडके, प्रदीप शिंदे, संदीप गिते, डॉ. चारुशीला भंगाळे आदी.

## लसीकरणाची स्वयंसेवकाकडून जनजागृती

**लोणी :** सावित्रीबाई फुले पुणे विद्यापीठ व महिला औषधनिर्माणशास्त्र महाविद्यालय, चिंचोली यांच्या संयुक्त विद्यमाने स्वातंत्र्याचा अमृत महोत्सव आणि माझी वसुंधरा अभियान उपक्रमा अंतर्गत कॉलेजच्या राष्ट्रीय सेवा योजनेमार्फत मोहू येथे सात दिवसांचे हिवाळी श्रमसंस्कार शिबीर झाले. शिबिरांच्या माध्यमातून श्रमाचे महत्त्व स्वयंसेवकांनी समजून घेतले, अशी माहिती प्राचार्या डॉ. चारुशीला भंगाळे यांनी दिली. सात दिवसीय शिबिरा अंतर्गत मोहू येथे विविध कामे पूर्ण करण्यात आली. शिबीर कालखंडात स्वयंसेवकांनी महादेव मंदिर परिसर स्वच्छता, स्मशानभूमी परिसर स्वच्छता, शाळेचा परिसर स्वच्छता आणि गाव परिसर स्वच्छता करण्यात आली. सुदाम बोडके, श्रीमती चव्हाण, प्रदीप शिंदे, संदीप गिते, डॉ. चारुशीला भंगाळे, प्रा. कावेरी वडीतके, विकास कुंदे, डॉ. सचिन सोमवंशी उपस्थित होत्या.

## फार्मसीच्या प्रथम वर्षांच्या विद्यार्थ्यांचे स्वागत

**लोणी :** पुढारी वृत्तसेवा

पदाभूषण डॉ. बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेच्या सिन्नर कॅम्प येथील चिंचोली प्रवरा औषधनिर्माणशास्त्र महाविद्यालयात प्रथम वर्ष प्रवेशीत विद्यार्थिनींसाठी विशेष कार्यक्रमातून संस्थेचा परिचय विद्यार्थी आणि पालकांना करून देण्यात आल्याची माहिती प्राचार्या डॉ. चारुशीला भंगाळे यांनी दिली.

प्रवरेच्या माध्यमातून आदर्श विद्यार्थी घडविण्याचे काम केले जाते. प्रवरा शैक्षणिक क्षेत्रात ब्रँड होत असताना नोकरी आणि

स्वयंसेवकांकडून जनजागृती

संस्थेचे अध्यक्ष माजीमंत्री आ. राधाकृष्ण विखे पाटील यांच्या माध्यमातून जगाच्या पाठीवर कार्यकरत असलेल्या माजी विद्यार्थी समूहामुळे पुस्तकी ज्ञानाबरोबर मोठी करिअर संधी उपलब्ध होत असते. प्रवरेत नव्याने आलेल्या विद्यार्थ्यांना कॅम्पस व्हिजिट, गेस्ट लेक्चर, इंडस्ट्रियल व्हिजिट असे विविध उपक्रम राबविण्यात आले.

सुश्मिता विखे पाटील यांचे मार्गदर्शनाखाली महाविद्यालयातून आदर्श विद्यार्थी घडविला जातो.

## मराठी भाषा संवर्धन पंधरवाडा साजरा

**लोणी :** लोकनेते पद्मभूषण डॉ.बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेच्या चिंचोली येथील महिला औषधनिर्माण महाविद्यालयात येथे मराठी भाषा संवर्धन पंधरवाडा विविध उपक्रमाने साजरा करण्यात आला, अशी माहिती प्राचार्या डॉ. चारुशिला भंगाळे यांनी दिली. मराठी ही महाराष्ट्रात बोलली जाणारी भाषा असून, तिचे संवर्धन होणे ही काळाची गरज आहे. मराठी भाषेची अस्मिता आणि संस्कृती जपणे गरजेचे आहे. मराठी भाषेचे ज्ञान वाढवणे, तिचा प्रसार करणे या उद्देशाने महाविद्यालयात मराठी भाषा संवर्धन पंधरवाडाचे आयोजन विविध कार्यक्रमाच्या माध्यमातून घेण्यात आले.

## महिला महाविद्यालयात विद्यार्थ्यांना मार्गदर्शन

**लोणी :** पद्मभूषण डॉ.बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेच्या, चिंचोली येथील महिला औषधनिर्माणशास्त्र महाविद्यालयात अंतर्गत गुणवत्ता हमी कक्ष व अॅनकेडीमा अकादमी यांच्या संयुक्त विद्यमाने स्पर्धा परीक्षा मार्गदर्शन आणि नोकरीच्या संधी या विषयावर ०७ फेब्रुवारी २०२२ रोजी चर्चासत्र आयोजित करण्यात आले होते. सत्रादरम्यान अकादमीचे मुख्य शिक्षक सौरभ सोनावणे यांनी विद्यार्थ्यांना त्यांच्या आवडी आणि क्षमता आणि त्यांच्या शिक्षण आणि करिअरकडून काय अपेक्षा आहेत या संदर्भात प्रथम स्वतः ला समजून घेण्यास शिकवले. ते म्हणाले, आजचे युग स्पर्धेचे युग असून स्पर्धेत टिकण्यासाठी कोणते तंत्र, टेकनॉलॉजी उपयुक्त ठरते. वेळोवेळी मार्गदर्शन घेणे आजच्या विद्यार्थ्यांना आवश्यक आहे. राज्यसेवा आयोगा (एमपीएससी) मार्फत घेतल्या जाणाऱ्या सर्व परीक्षांचे मार्गदर्शन यावेळेस करण्यात आले. या वेबिनारचा मुख्य हेतू विद्यार्थ्यांना एमपीएससीची तयारी आणि त्यांच्यासाठी उपलब्ध असलेल्या इतर पर्यायांबद्दल जागरूक करणे हा होता.

## पुण्य नगरी

### मराठी भाषा दिन उत्साहात

**लोणी :** लोकनेते पद्मभूषण डॉ. बाळासाहेब विखे पाटील प्रवरा ग्रामीण शिक्षण संस्थेच्या चिंचोली येथील महिला औषधनिर्माण महाविद्यालयात मराठी भाषा संवर्धन पंधरवाडा विविध उपक्रमांनी साजरा करण्यात आला, अशी माहिती महाविद्यालयाच्या प्राचार्य डॉ. चारुशिला भंगाळे यांनी दिली. मराठी ही महाराष्ट्रात बोलली जाणारी भाषा आहे, तिचे संवर्धन होणे ही काळाची गरज आहे. लोप पावत असलेली मराठी भाषेची अस्मिता आणि संस्कृती जपणे खूप गरजेचे आहे. मराठी भाषेचे ज्ञान वाढवणे, तिचा प्रसार करणे या उद्देशाने महाविद्यालयात मराठी भाषा संवर्धन पंधरवाडाचे आयोजन विविध कार्यक्रमाच्या माध्यमातून घेण्यात आले. या निमित्ताने महाविद्यालयात भाषण स्पर्धा, मराठी कविता वाचन स्पर्धा, ग्रंथप्रदर्शन असे विविध कार्यक्रमाचे आयोजन करण्यात आले.

Smart Shrirampur

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## राष्ट्र सह्याद्री

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## औषध निर्माणशास्त्र महाविद्यालयांचे श्रम संस्कार शिबीर संपन्न

प्रतिनिधी। राष्ट्र सह्याद्री

**लोणी :** सावित्रीबाई फुले पुणे विद्यापीठ व महिला औषधनिर्माणशास्त्र महाविद्यालय, चिंचोली यांच्या संयुक्त विद्यमाने स्वातंत्र्याचा अमृत महोत्सव आणि माझी वसुंधरा अभियान उपक्रमा अंतर्गत कॉलेजच्या राष्ट्रीय सेवा संघ योजना मार्फत मोहू येथे सात दिवसांचे हिवाळी श्रम संस्कार शिबीर झाले. शिबिराच्या माध्यमातून श्रमाचे महत्त्व स्वयंसेवकांनी समजून घेतले अशी माहिती प्राचार्या डॉ. चारुशिला भंगाळे यांनी दिली. सात दिवसीय शिबिरांतर्गत मोहू येथे विविध कामे पूर्ण करण्यात आली. शिबीर कालखंडात स्वयंसेवकांनी महादेव मंदिर परिसर स्वच्छता, स्मशानभूमी परिसर



स्वच्छता, शाळेचा परिसर स्वच्छता आणि गाव परिसर स्वच्छता करण्यात आली. तसेच कोविड लसीकरण यांवर माहिती आणि जनजागृती करण्यात आली व कुपोषण सर्वेक्षण करण्यात आला तसेच औषधनिर्माणशास्त्र महाविद्यालय व एड्स या विषयांवर रॅली घेऊन जनजागृती करण्यात आली. महिला सक्षमीकरणावर स्वयंसेवकांनी पथनाटय सादर केले. शिबीर काळात व्याख्यानमालेतून पर्यावरण सुरक्षा, शिक्षण आणि समाज तसेच गावचा इतिहास व समाज सुधारणा,

मुली वाचावा या विविध विषयांवर जनजागृती करण्यात आली. शिबिर समारोपसाठी गावचे सरपंच सुदाम बोडके, जिल्हा परिषद प्राथमिक शाळेचे चव्हाण, प्रदीप शिंदे, संदीप गीते तसेच महिला औषधनिर्माणशास्त्र कॉलेजचे प्राचार्या डॉ. चारुशिला भंगाळे रा स यो चे कार्यक्रम अधिकारी प्रा. कावेरी वडीतके, सहाय्यक अधिकारी विकास कुंदे सहयोगी प्रा. डॉ. सचिन सोमवंशी आणि रा स यो चे स्वयंसेविका उपस्थित होत्या.



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