



# NEWSLETTER JIJAU SPECTRUM

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**Rajmata Jijau Shikshan Prasarak Mandal's**

**College of Pharmacy, Dudulgaon**



# Christmas special

## CHIEF PATRON

**Hon. Shri. Vilasrao V. Lande**  
(Founder-President)

**Hon. Shri. Sudhir V. Mungase**  
(Secretary)

**Shri. Ajit D. Gavhane**  
(Treasurer)

**Shri. Vikrant V. Lande**  
(Trustee)

### ***Dr. K. S. Jain sir takes charge as Principal of RJSPM College of Pharmacy***

Dr. K. S. Jain took the charge as the Principal of RJSPM, College of Pharmacy, Dudulgaon Pune, on 27th Dec. 2021. Hon. Mr. Vilasji Lande, President, RJSPM, Hon. Sudhirji Mungase, Secretary RJSPM, Hon. Vikantji Lande, Trustee, RJSPM congratulated him. Prof. Kiran Y Chaudhary & Prof A. B.Kumbhar, welcomed him.

Dr.K.S. Jain holds rich Academic, Industrial and Research experience of 38 years. He completed B. Pharm.(1980) from Bombay College of Pharmacy , Bombay University, M. Pharm. from I..M College of Pharmacy Gujarat University with the First Rank. He did his research in Pharmaceutical Chemistry (Synthetic Medicinal) and got Ph.D. from Gujarat University, Ahmedabad.

He is Recognized Ph.D & PG Research Guide - 7 Universities Guided with 5 Ph.D's and 63 M.Pharm.'s to his credit.

He is Member of many professional bodies, ACS, IPA, APTI, ISTE, ASCI, Indian Soc. Chemists, and also on the Pharmacy Council of India- Inspection Committee

He is reviewer for many International and National Journals, as well as Poland National Science Center, NCN-Krakow. He was Guest Editor: Current Topics in Medicinal Chemistry(Bentham Science, USA), and is Assoc. Editor: Indian Journal of Pharmaceutical Education & Research (IJPER); Member Editorial Board: Curr. Top. Med.Chem; Curr Bioact. Mol.. (Bentham-USA); Austin J. Pharm. Chem. (USA) & EC J. Pharmacol. Toxicol.(U.K.)

He has to his credit Research Grants Sanctioned : 1,18,00000 INR till date. He holds very high citation index (Google Scholar). He has Research Papers -102; Text books -17, Patents 2, Awards-18 to his credit and was cited in A-D Global Scientific Index His Areas of Research: include Antihyperlipidemic, anticancer and anti-infective drug research, as well as Process Development of API, Drug Intermediates and Fine Chemicals, Green Chemistry, Custom Synthesis, Library Synthesis, Impurity Synthesis and Analytical Method Development.

He was member of Executive Council- DBATU. He was former Dean Pharmacy Faculty, Univ. of Pune, as well as, Ex. Member : Academic Council, Faculty, BOS, as well as Ex. Member : BCUD, Academic, & Research Grant Subcommittees at Univ. of Pune, He has 16 awards, including Best Teacher Award as well as 8 Best Research Paper Awards.He is an excellent orator and teacher and he has delivered over 165 lectures in the country, as well as in many countries in Europe, Middle East, Gulf & the US.

He was a member on Inspection Panel- Pharmacy Council of India (PCI) & National Board of Accreditation (NBA) Delhi & Universities like Pune Univ., Gujarat Univ. Dr. B.A. Technological University & Mumbai Univ. He held positions at National Level like Jt. Secretary, Western Zone, National Body Assoc. of Pharmacy Teachers of India (APTI); Joint Secretary-LOC- 54th Indian Pharmaceutical Congress-Pune-2004.

"I am delighted to serve the RJSPM's College of Pharmacy that has established its name in pharmaceutical education in Maharashtra. We will work as a team to take the institution to newer heights", said Dr. K.S. Jain. Mr. Sudhir Mungase requested him to devote his whole energy for the progress of the institution, He said the academics and research would be his top priorities.



*Prof Kiran Chaudhari felicitating Dr.K.S.Jain*

**Students of RJSPM Pharmacy excel in SPPU Examination**

Students of RJSPM, College of Pharmacy recorded 100% pass percentage in semester examination held in April/May 2021 for B. Pharmacy. Savitribai Phule Pune University declared results of this exam on 1st October 2021. These results were declared online on university website. Overall pass percent of all classes of B Pharmacy are 100%. Total 276 students appeared the examination. 269 students passed in all subjects and 7 students with ATKT. 52 students from first, second and third year scored above 9.10 SGPA. Class wise list of toppers along with their SGPA score is as follows:

**Class: Final Year B Pharmacy**



1. Nidhi Makadiya CGPA: 8.271      2. Shraddha Nikam CGPA: 8.127      3. Ankita Junawane CGPA: 8.072

**Class: Third Year B Pharmacy**



1. Sneha Patil SGPA: 9.667      2. Rutuja Sonawane SGPA: 9.467      2. Vimla Choudhary SGPA: 9.467      3. Damini Shinde SGPA: 9.400

**Class: Second Year B Pharmacy**



1. Sanchita Patole SGPA: 9.786      1. Nikita Darade SGPA: 9.786      2. Shweta Gholap SGPA: 9.429      3. Preeti Jangle SGPA: 9.357

**Class: First Year B Pharmacy**



1. Eram Pathan  
SGPA: 9.690



2. Aditi Nagare  
SGPA: 9.552



3. Kartiki Lomte  
SGPA: 9.483



3. Sarathi Thakur  
SGPA: 9.483

Hon. Mr. Vilas Lande, President of RJSPM trust, said that, “These students worked very hard and performed excellently in the exam.” He also congratulated the topper students and faculty members.

**Learning, Online or Offline?**

The pandemic (covid-19) shocked the entire education system in the world. The pandemic forced schools and colleges to shut down during lockdown period. This leads to the transition of students and teachers to online teaching-learning methods. The pandemic posed several challenges in public and private schools/colleges, which included an expected rise in dropouts, learning losses, and an increase in digital divide. COVID-19 also acted as a catalyst for digital adoption in education. Now schools and colleges are reopening again and students are back to colleges after 15 months of home base learning.

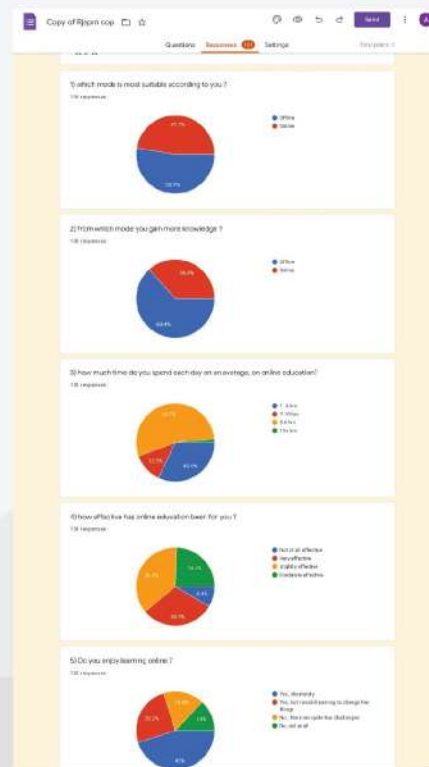
So the question is which system of teaching–learning is suitable? Online or Offline? Students of RJSPM College of Pharmacy have conducted a survey to find answer. In this, they asked following questions to the students.

- Which mode is most suitable according to you?
  - From which mode you gain more knowledge?
  - How much time do you spend each day on an average, on online education?
  - How effective has online education been for you?
  - Do you enjoy learning online?
- Questions were sent through Google forms and total 131 responses were collected from the B Pharmacy students.

**Method of survey :** Google forms

**Total no. of responses :** 131

**Conclusion :** According to the survey conducted it is found that almost all students prefer offline mode of education. Students enjoy learning online but they were facing some problems in online education. Offline mode of education is found to be more effective than online mode.



The above pie chart shows the result of a survey in which students were asked about their preferred mode of education, i.e. online or offline. We can see that about 53.7% of students prefer offline study and 47.3% students want online study and also most of the students says that they gain more knowledge from the offline studies rather than online studies. From the pie chart it is cleared that only few students do a regular study for more than 10hr in online mode of education, where 54.2% students do study for 5-6 hrs and 12.2% students for 7-10 hr and 32.1% students for 1- 3 hr per day.

30.5% of students say that online study is very effective, where 36.6% students say online study is slightly effective, and 24.4% of students say that online study is moderately effective and 8.4% students this that online study is not at all effective. 45% students enjoy online learning where 25.2% students says that they enjoy online learning but they want some changes in it, where 16.8% students says that online learning is quiet challenging and they face some challenges where only 13% students says that they do not enjoy online learning at all.

The survey was conducted on preferred mode of education and we observed that most of the students prefer offline study rather than online study and are gaining more knowledge from the offline studies. Offline mode of education is effective than online mode. Students from the editorial board of the JIAU SPECTRUM conducted this survey.

### ***Students participated in Pulse Polio Immunization Programme***

The Pulse Polio Initiative was started with an aim of achieving hundred percent coverage under Oral Polio Vaccine. It aimed to immunize children through improved social mobilization, plan mop-up operations in areas where poliovirus has almost disappeared and maintain a high level of morale among the public. National Immunization Day (NID) commonly known as Pulse Polio Immunization programme was launched in India in 1995, and is conducted twice in the early part of each year. In these campaigns, children in the age group of 0-5 years are administered polio drops.

RJSPM's College of Pharmacy, NSS students Rutika Suryawanshi, Priyanka Bhor, Srushti Choudhary, Nandini Borate and Aishwarya Ghare took part in the pulse Polio program carried out by government of India on 31 Jan–5 Feb 2020 at government hospital of Moshi. The students worked under the guidance of Sister Anita Gavali and Bhosale sir. Mr.G.R. Sakhare, NSS coordinator, managed all the activities for this programme.

It was a great experience for us, and we learned many things during this programme, said NSS students.



### ***RJSPM COP Signs MOU with Chakan Life Sciences for training and research***

RJSPM's College of Pharmacy has signed an MOU with Chakan Life Sciences, Bhare, Pirangut, Pune on 26th October 2021. Tenure for this MOU is five years. Aim of this MOU was to minimize gap between industry and academics. This MOU will be beneficial for both faculty members and students. This company will provide placements/recruitments for alumni of RJSPMSCOP and especially for current years pass out students. Chakan Life Sciences is one of the best Packaging Industries. Company has near about 10,000 sq. feet packaging area, having different sections for each dosage form. This company especially does the packaging of inhalers, surgical materials and cosmetics. This company also has contract manufacturing authority for Lupin Pharmaceuticals. Students will get benefit of industrial training from this company. Faculty members will also get benefit of on the job trainings from their departments like manufacturing, quality control, etc. which will lead to faculty development. Faculty will get a chance to visit company any time for their own research and academic work. Mr. Shrikant Kshirsagar, Chief Executive Officer of this company, was present during this event. Principal Prof. Amol Kumbhar, Asst. Prof. Suhas Ghodekar, Training and Placement Officer, Asst. Prof. P.S. Deorankar and Asst. Prof. Ms.P.V. Bagade was present for MOU signing ceremony.



Prof Amol Kumbhar exchanging MOU with Mr. Shrikant Kshirsagar CEO of Chakan Life Sciences



Mr. Shrikant Kshirsagar showing storage area.

### ***MOU with Passiflora Laboratories Private Limited***

RJSPM's College of Pharmacy has signed an MOU with Passiflora Laboratories Private Limited Milkat No. 453, Gat No. 389, Near Ghotawade Phata, Village- Bhare, Talika Mulshi, District- Pune- 412115. Tenure for this MOU is five years. Aim of this MOU was to minimize gap between industry and academics. This MOU will be beneficial for both faculty members and students. This company will provide placements/recruitments for alumni of RJSPMSCOP and especially for the latest year pass out students. Passiflora is one of the best Cosmetic Manufacturing Industries. This Company has about 8000 sq. feet manufacturing area having different sections like research and development, manufacturing, quality control and quality assurance, packaging, labeling, and storage of raw materials. This company especially does the manufacturing of lotion, cream, scrub, massage cream and quality control tests of respective dosage form. Passiflora also has contract manufacturing authority or their clients are Lupin Pharmaceuticals, USV PVT LTD, Cadila Pharmaceuticals, Neclife and Curiance, and some Arab country's industries. This MOU will provide a facility for the students like industrial training, research facilities, etc.. It will be helpful for faculty development like on the job trainings, faculty exchange, etc.. Mr. Shrikant Kshirsagar and Mr. Pravin Jagtap are the Directors of this company. Mr. Shailesh Thorat is Head of all the units. Principal Prof. Amol Kumbhar, Asst. Prof. Suhas Ghodekar, Training and Placement Officer, Asst. Prof. P.S. Deorankar and Asst. Prof. Ms.P.V. Bagade was present for MOU signing ceremony.



College staff with Passiflora Team



Visit to R and D laboratory of Passiflora PVT LTD.

**Lecture No 4 in Alumni interaction series "Opportunities in pharmacovigilance"**

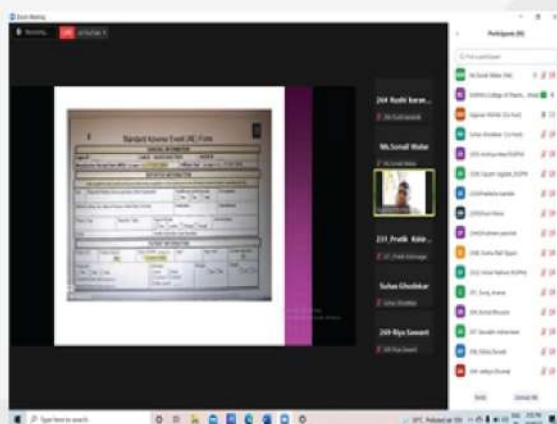
Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy and Rajmata Pharmacy College Alumni Association jointly organized an Alumni interaction series under the guidance of Principal Prof. Amol B. Kumbhar. The webinar was conducted online by using the zoom platform. Mr. Gajanan Mohite (Alumni of RJSPM's COP, batch 2012-13) delivered the webinar. He is working as an Aggregate Reporting Author in Cognizant, Mumbai.

In this interaction, third and final year students were taken part. Mr. Gajanan Mohite explained the detail working process in pharmacovigilance with the examples of different case studies. He guided students for interview related aspects and aware students regarding the job opportunities in pharmacovigilance. Gajanan gave the information about different companies, different posts and future aspect of this field. He also gave proper answers to the questions of the students during this interaction.

Faculty members have also actively took part in this webinar. Mr. Suhas N. Ghodekar introduced the program, and Ms. Priyanka Bagade concluded the webinar. Overall, the webinar was very informative and the students definitely took the benefit through this webinar in selecting their carrier in the future.



Flyer of event



Gajanan explaining the case study report to students.

### **Plastic Free Week 18 October 2021 to 24 October 2021**

Sweden Alumni Network India (Maharashtra and Goa) and Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon jointly organized "Plastic Free Week 2021" from 18th to 24th October 2021, through online and offline mode. Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy and Institute of Pharmacy, Dudulgaon joined the program and celebrated Plastic Free Week 2021.

The purpose of celebrating this event is to create awareness against the use of plastics that harm our environment. The event was organized in collaboration with Swedish Institute, Consulate General of Sweden, Mumbai, Pune Municipal Corporation, other educational institutions and INNSET.

We organized various competitions for the students. Plastic Free Week was a seven days online and offline event, which featured a variety of activities and online lectures. On the first day (Kick of Plastic), Nicklas Dahlberg, Manager Sweden Institute, gave a lecture on the impact of Sweden Alumni on Plastic Free Week around the world. The next day, Mrs. Sabita Agarwal, Adrish Zero-waste Organic store, gave a lecture on Zero Waste Organic Lifestyle Chain. On the third day, Dr. Jeevan Dhumal Assistant Professor Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy, Dudulgaon gave a lecture on Changing Habits and Plastic Free World. On the fourth day, Theresa Cedarblum, Sales Manager of Swedish Company, gave a lecture on the largest plastic recycling plant in Europe. On the fifth day, Tejashree Chavan, Director INNSET, gave a lecture about artwork from plastic waste. On the sixth day, a plastic collection drive was organized. On this day, the faculty and other staff collected all the useless plastics from all the laboratories. Students Sanchita Patole, Nandini Borate, Aishwarya Ghare took a special part in all these plastic free weeks and all the students took part enthusiastically. Principal Amol Kumbhar, Principal Dr. Ravindra Chintamani, Senior Professor Dr. Jeevan Dhumal, gave special guidance. Professor Shakila Shaikh and Professor Sonali Walse took effort for this program. Sandeep Jagtap, Secretary Sweden Alumni Network India (Maharashtra and Goa) organized this program.



Plastic free week 2021 event at college campus



Plastic Collection drive at college

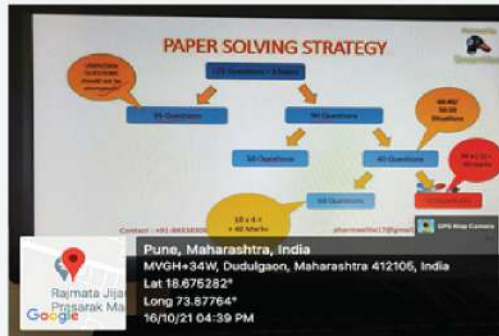
### **Guest Lecture on 'Strategy for GPAT and NIPER'**

Guest Lecture on "Strategy for GPAT and NIPER Exam" organized on 16th October 2021 for third and final year students through YouTube Live. Ms. Aishwarya Kashelkar (NIPER MOHALI) shared different ideas to qualify in GPAT and NIPER Exam. She focused on a few key points like strategy for better preparation of GPAT, How to identify and focus on important subjects for the GPAT / NIPER exam? etc. She also explained the difference between GPAT and NIPER paper solving strategy. Because of this lecture, the mindset of students for the GPAT and NIPER Exam turned out to be positive. She gave the example of her own to crack the GPAT and NIPER Examination. Her guidance definitely helped students for competitive exams for Pharmacy students. Total 40 students were present for Lecture. Program was moderated by Asst. Prof Priyanka Bagade (Co-curricular in charge of RJSPMCOP Dudulgaon Pune). Principal Sir Prof. A.B. Kumbhar sir was present. Asst. Prof. Arti Gite expressed the vote of thanks.





Appreciation from RJSPM team.



She Explained Paper solving strategy

### ***Shreyash Salvi performed on "Shivaswarajya day"***

RJSPM College of Pharmacy has organized "Shivaswarajya day" on 6th Jan 2021. On this occasion Second year B Pharmacy student Shreyash Salvi had sang Shivaji Maharaj aarti along with his coartists. Final year student Saurabh More and Sameer Gardi celebrated Shivaji Maharaj ceremony from their home. Toward the end, Yogesh Kolhe presented his video on different forts he visited. Respected Principal Dr. Ramesh Katedeshmukh expressed his views on this occasion. "Shivaswarajya day" was celebrated by the students very enthusiastically on virtual platform.



Shreyash Salvi singing



Yogesh Kolhe video

### ***Industrial training completed by B Pharmacy students***

Recently, few students from RJSPM, College of Pharmacy, have successfully completed their One Month Industrial Training. The names of the students are Nilu Choudhary, Aishwarya Gunaware, Purna Gadade, Aishwarya Ghare, Arshiya Attar Srushti Choudhari, Rutika Suryawanshi Priyanka Bhor, Prajakta Agarkar, Nandini Borate, Sneha Patil and Vimla Choudhary. They completed industrial training from Nulife pharmaceuticals, Bhosari. Mr. Prashant Saste was head of the training department. He explained about every section of the industry. During this training, students worked in various departments like manufacturing, packaging, granulation process, tablet coating, Capsule manufacturing, QA and QC departments, etc. As per the University guidelines, every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital.



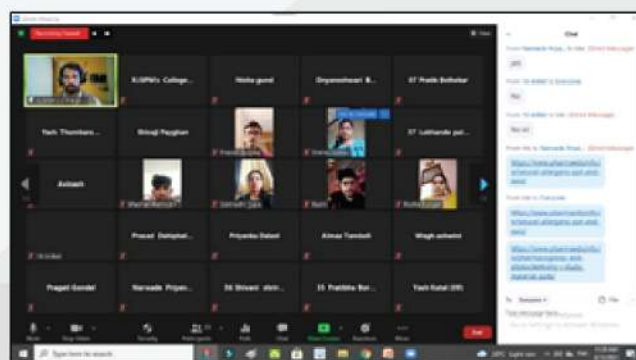
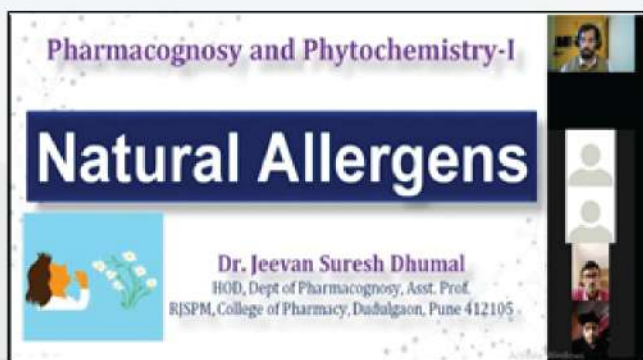
**Activities conducted under faculty exchange programmes**

RJSPMS COP has signed a memorandum of understanding (MOU) with different educational institutions in pharmacy. These MOUs will focus on faculty and student exchange programmes. These collaborations will provide strength in research and engaging their mutual interest in academics. Many of our faculty members have delivered the lectures to the institute having collaboration with us. Their faculty has delivered the lecture in our institute through online media. This exchange of lectures with other institute fosters the knowledge of the students and the teaching faculty. This will help to learn the innovative things and can apply in our teaching method. RJSPM, College of Pharmacy has signed MOU with following institutes

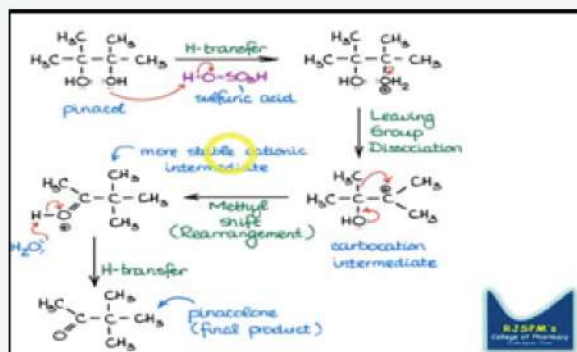
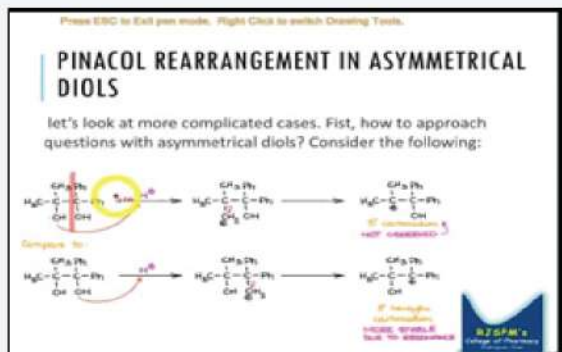
1. Progressive Education Society Modern College of Pharmacy (For Ladies) Moshi, Pune (Maharashtra) India 412105.
2. Shri Amolak Jain Vidya Prasarak Mandal's College of Pharmaceutical Science & Research Center, At Post Kada, Ashti.
3. Ray's foundation Arihant College of Pharmacy (ACOP), Kedgaon, Ahmednagar.

**Under these MOUs following activities were conducted**

Sr.No.	Activity	Conducted by	Date	Topic/Details
1.	Lecture	Dr.J.S.Dhumal	13/06/2021	Natural allergens
2.	Lecture	Mr. Jitesh Batra	20/06/2021	Human Anatomy and Physiology
3.	Lecture	Mr. P.V. Rane	04/07/2021	Name Reactions of Synthetic Importance



Dr. Jeevan Dhumal Sir delivering a session on Natural Allergens



Prof. Prasad V. Rane Sir delivered a session on Name Reactions of Synthetic Importance

### International Faculty Development Programme (FDP)

Faculty members of RJSPM College of Pharmacy have attended International Faculty Development Program on "Research & Regulatory Requirements: An Industry Perspective". This international FDP was organized on 16/11/2021 Tuesday at AISSMS College of Pharmacy, Shivajinagar, Pune. They organized this webinar on a virtual platform. Internal Quality Assurance Cell (IQAC) of college has organized this FDP. Over 100 participants attended this FDP.

Four eminent speakers delivered their presentations and expertise lectures on initiating drug safety culture from academics, regulatory affairs, herbal formulation development & standardization challenges and product development in pharmaceutical industry.

Ms. Priyanka Deorankar, Ms. Shakila Shaikh, Ms. Lineeta Raut, Ms. Anita Malusare and Mr. Omkar Kolhe had attended one-day International Faculty Development Programme.



### **National Webinar on “Nanotechnology in Healthcare: Opportunities & Challenges,” Attended by faculty members**

One-day National Webinar on “Nanotechnology in Healthcare: Opportunities & Challenges,” organized by Department of Pharmaceutics, Nirma University on 28 October 2021. They organized the Webinar in association with Controlled Release Society Indian Chapter. Ms. P.S. Deorankar and Ms. S. S. Shaikh attended webinar on 28/11/2021. The curiosity to explore nanotechnology-based innovations has been the center of focus for its applications in healthcare industry. Several nanotechnologies based products have been used in pharmaceutical sectors with applications ranging from the treatment of Theranostics. Today, the rapid surge in research of metallic nanoparticles have shown tremendous potential in cancer treatment where single approach can serve multiple purposes. The COVID-19 pandemic had urged for rapid screening and outcomes which were served by the use of gold based rapid antigen kits. The webinar on “Nanotechnology in Healthcare-Challenges and Opportunities,” featured plenary and invited lectures by eminent scientists. It also provided a platform for researchers and students across India to showcase their ideas, research, and innovations which is the need of an hour in this rapidly changing healthcare system.



### **Research Papers published by faculty members**

Faculty members put their knowledge into action so students and others can benefit from it. Recently, faculty members published research articles in the International journals. Dr. Jeevan Dhumal has published research papers in International Journal of Biology, Pharmacy and Allied Sciences. (Web of Science Indexed Journal) Ms. Lineeta Raut has published her paper in International Journal of Innovative Research in Technology in the year 2021. Details of faculty member publications are as follows.

Sr.No	Name of the Faculty	Title	Journal Name, Year, Volume & Issue
1	Dr.J.S.Dhumal	In-vivo evaluation of anticancer activity of Vigna mungo and Vigna radiata	International Journal of Biology, Pharmacy and Allied Sciences,2021, 11(5)
2		Phenolic acids and flavonoids quantification of fractions isolated from Vigna mungo and Vigna radiata	International Journal of Biology, Pharmacy and Allied Sciences,2021, 10(10)
3		In vitro anthelmintic activity of water and ethanolic extract of stem-bark of dolichondrone falcata (seem)	International Journal of Biology, Pharmacy and Allied Sciences, 2021, 10(10)
4		Development and evaluation of anti-inflammatory gel from amorphophallus paeoniifolius	International Journal of Biology, Pharmacy and Allied Sciences, 2021, 10(10)
5		Development and evaluation of calotropis gigantealinn, antifungal topical formulation	International Journal of Biology, Pharmacy and Allied Sciences, 2021, 10(10)
6	Ms. L.K.Raut	Development of Dissolution Test for Dronedarone Hydrochloride Pharmaceutical Formulation	International Journal of Innovative Research In Technology,2021,8(5)