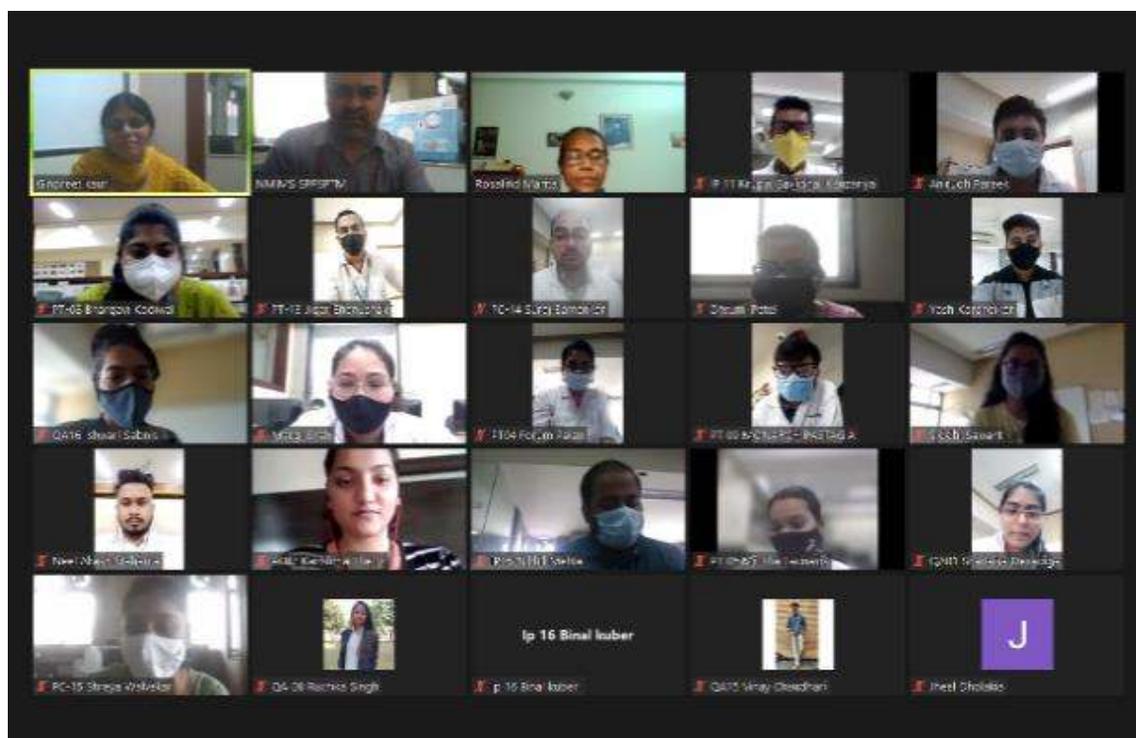
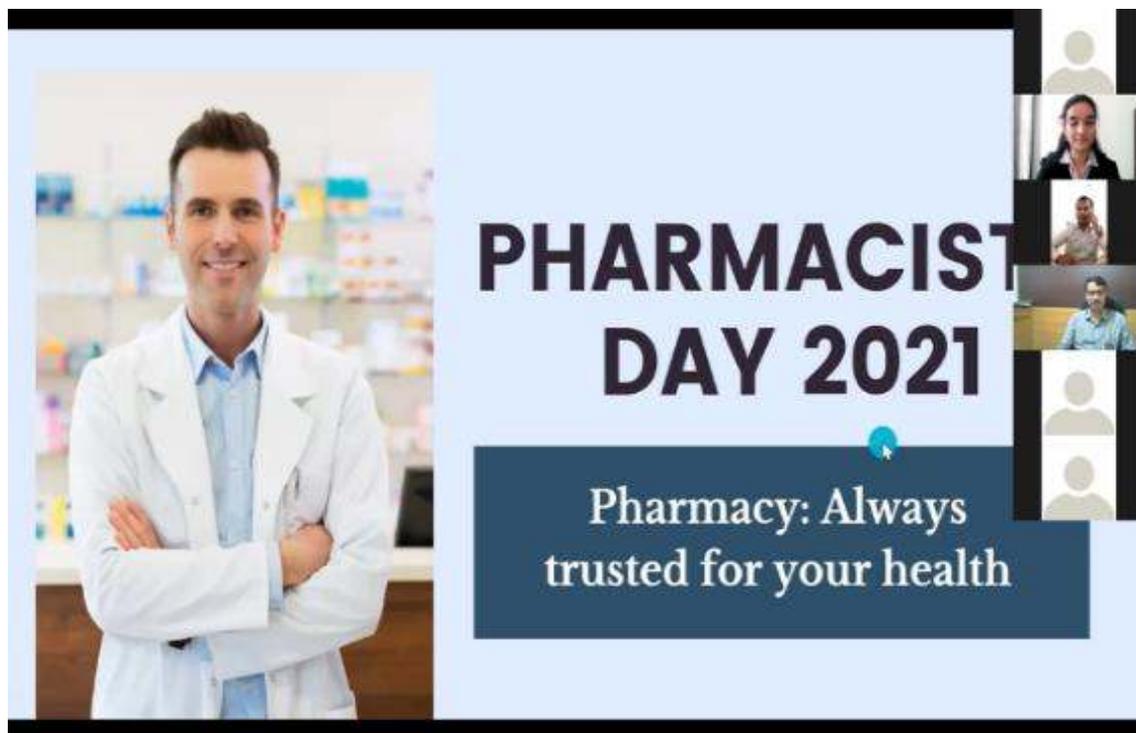
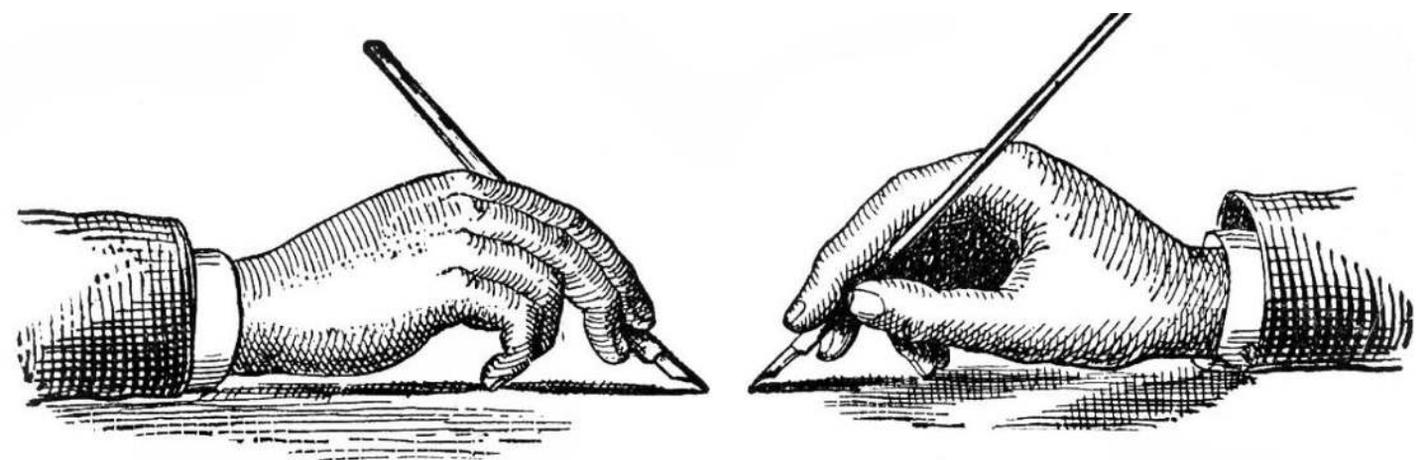


WORLD PHARMACISTS' DAY AND TEACHERS' DAY CELEBRATIONS AT SCHOOL OF PHARMACY & TECHNOLOGY MANAGEMENT



EDITORIAL COMMITTEE

Dr. Rohan Pai
Ms. Rachna Kacker
Ms. Pooja Dillikar





EDITORIAL

Welcome to the second issue of the School's Newsletter for the academic year 2021-2022!

It is also the second year of the raging pandemic; however, our school has adapted to the new normal and is continuing to educate our graduates in the best possible way to prepare them for their future. Charles Darwin had once said 'It is not the strongest of the species that survives, nor the most intelligent. It is the one that is most adaptable to change', and our students and faculty have also been adapting and learning newer skills and technologies despite the pandemic.

We continue to imbibe in our students the spirit of innovation, the habit of working with utmost integrity and sincerity, and teach them to contribute to the profession and society at large. This issue of newsletter features an exclusive interview with Mr. Jagpreet Singh Duggal, Head, Government Institution Business at Takeda Pharmaceutical, wherein he shares his career experiences. The issue goes on to describe the recent happenings in pharmaceutical research and the industry, focused on news related to the research impacting the current ongoing pandemic.

The issue also showcases various achievements of our faculty members who are constantly updating themselves with newer developments in the pharmaceutical field. The newsletter aims to make the audience aware of the current advances by featuring recent news. The newsletter also showcases a brief update on an array of co-curricular and extracurricular activities conducted by various campuses.



Mr. Jagpreet Singh Duggal

**Head, Government Institution Business,
Takeda Pharmaceutical, India.**

1. Please tell us about yourself (Your current corporate position and previous experience - A small write-up)

My name is Jagpreet Singh Duggal and I work as the Head Government Institution Business for Takeda Pharmaceutical, India. With more than 26 years of pharmaceutical industry experience with a strong professional background in Public Market Business, Market Access, and Account management, I have had the opportunity to handle multiple cross-functional roles across Sales, Market Access, Pricing and Public Health Initiatives.

At Takeda, I lead the Government Institution team in India where I am responsible for growing the government reimbursed business when it comes to our current portfolio and or the successful launch of our future products in the key accounts segment.

Prior to Takeda I have worked in companies like Bristol Myers Squibb, Boehringer Ingelheim, MSD India, Merck Serono, Serum Institute of India limited and Astra IDL Ltd (erstwhile Astra Zeneca).

2. Please tell us about your journey so far - The challenges and how you overcame those challenges along the journey.

My journey has had hardships and challenges too, but they have all taught me life's greatest lessons - hard work and perseverance! So, in short, a fruitful and enriching journey of 26 years and still continuing to learn.

The biggest challenge in India is lack of access to quality healthcare. India is amongst the countries having the lowest healthcare budget merely spending 1.2% of GDP on public health. So, to overcome these challenges, we have worked in different models like:

- Improve access to care (by providing special pricing).
- Focus on patient engagement.
- Connect and collaborate with government channels/public health systems.
- Collect data and analyze patient outcomes.

3. Please tell us about your field of expertise and the current status of your field.

- Government Business
- Design Value communications
- Partnership models
- Market Access and Budget Impact Models
- Tenders
- Pricing
- Sales

4. What inspires you to do what you do the best?

There are various new government initiatives and policies which help increase healthcare facilities in India like:

- Increase in inhouse manufacturing and capacity building.
- New regulatory guidelines attracting many multinationals to do investments in India.
- National health protection scheme like “Ayushman Bharat” which is a national public health insurance fund of the government of India that aims to provide free access to health insurance coverage for low income earners in the country, for which roughly 50% of the country’s population qualifies.
- Tech transfers and partnership models.
- Increase in funding mechanism to increase reimbursement for their beneficiaries.

Such initiatives motivate me to continue my journey in this field.

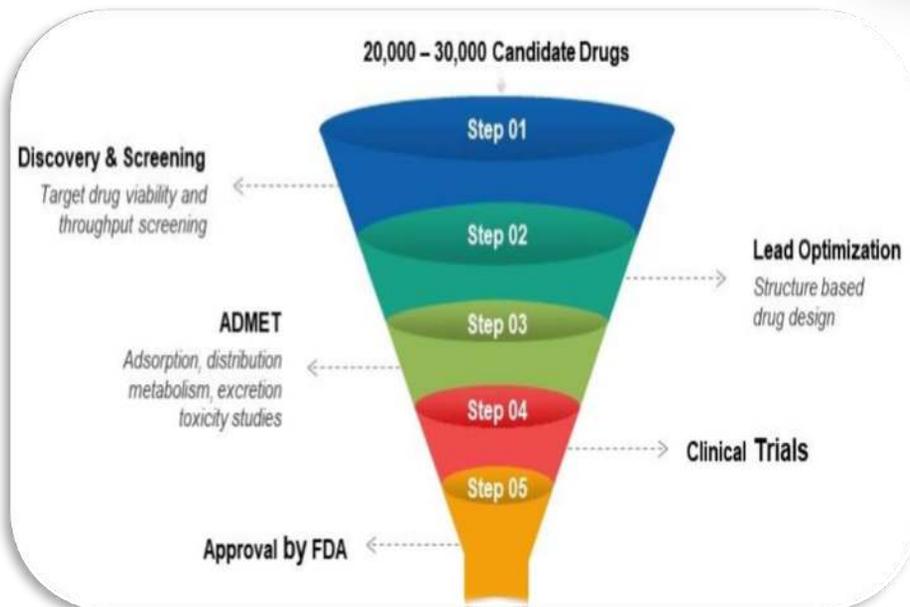
5. What advice you would want to give to young generation to overcome day-to-day challenges of the business world?

Be focused as there will be many challenges and distractions all the way through wherein the people around you will try to discourage you to take any bold unconventional step/approach but you should stick to your gut feeling and go for it. You shouldn’t be afraid to make mistakes as they will only teach you the difference between right and wrong. Remember the easy road is not always the right one. Secondly, keep yourselves updated with various policies in your respective fields.

Pharma news



NEW DATABASE FOR DRUG REPURPOSING



Visit <http://nicedrug.ch/> to know more

- ❖ There is an urgent need for more effective treatments for many conditions, including COVID-19, cancer and malaria. But the process of developing new drugs is costly, can take decades, and often leads to failed treatments.
- ❖ A new open-access database of information on drug candidates and how they are metabolized by the body, to help speed up the repurposing of old drugs as new treatments.
- ❖ This database may help expedite the process by helping scientists find promising, existing drugs that might be repurposed for these diseases.

<https://www.worldpharmanews.com/research/5763-new-database-could-accelerate-drug-repurposing-for-various-diseases>

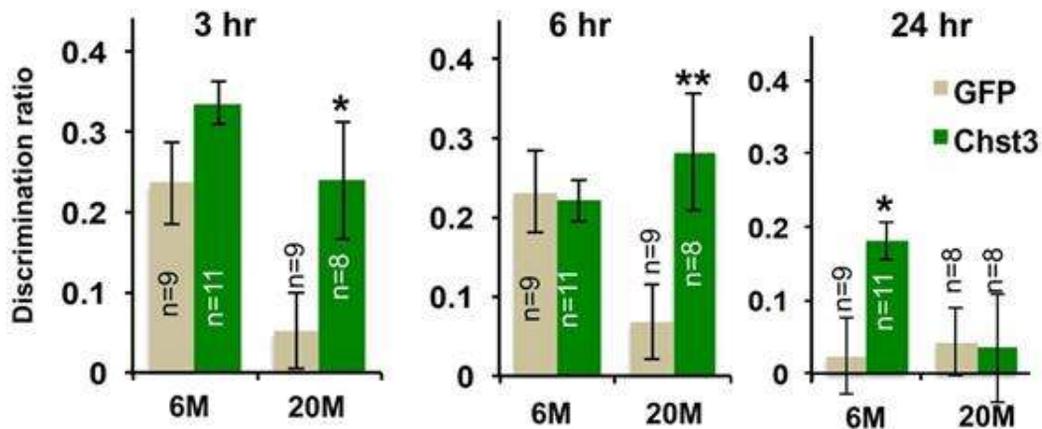
Scope of this database

- ❖ Database over 250,000 potential drug molecules, including detailed analysis of structures, enzymes they target, how they are likely to be altered by human metabolism, their potential side effects.
- ❖ Using the database, a team showed that it could accurately predict the behaviour of drug-enzyme pairs 70% of the time, and that it was 100% accurate for half of the pairs tested.
- ❖ The database was then searched for drugs that could be repurposed for cancer, high cholesterol, malaria and COVID-19 and over 1,300 potential anti-COVID-19 drugs, including some that are already safely used to treat a number of other conditions were identified.

<https://elifesciences.org/for-the-press/b8201714/new-database-could-accelerate-drug-repurposing-for-various-diseases>

SCIENTISTS REVERSE AGE-RELATED MEMORY LOSS IN MICE

B. *chst3* induced short-term memory recovery in aged mice



Treatments for memory loss in people as they age

- ❖ Recent evidence has emerged of the role of perineuronal nets (PNNs) in neuroplasticity and to make memories.
- ❖ They appear at around five years old in humans, and turn off the period of enhanced plasticity during which the connections in the brain are optimised.

- ❖ Then, plasticity is partially turned off, making the brain more efficient but less plastic.
- ❖ Study explores whether manipulating PNNs might restore neuroplasticity and alleviate age-related memory deficits.

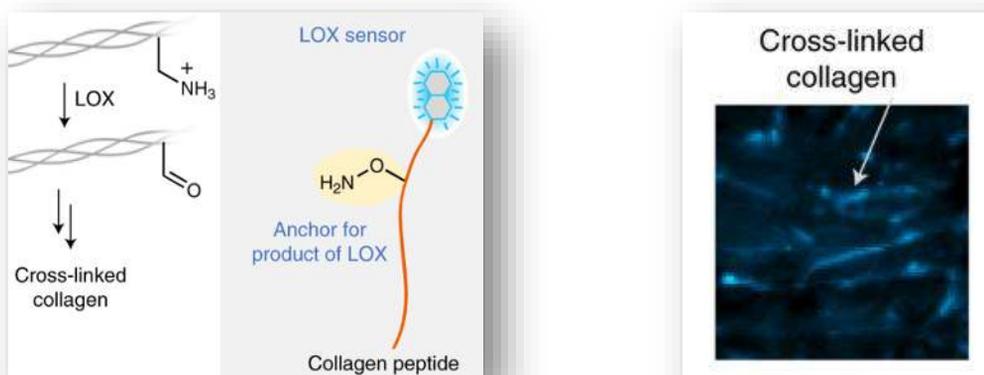
<https://www.nature.com/articles/s41380-021-01208-9/figures/4>

Mechanism of action of the drug

- ❖ 20-month-old mice were analyzed using a suite of tests showing that the mice exhibited deficits in their memory compared to a six-month old mice.
- ❖ The researchers measured the time the mouse spent exploring each object to see if it had remembered the object from the previous task. The older mice were much less likely to remember the object.
- ❖ The team treated the ageing mice using a 'viral vector', a virus capable of reconstituting PNNs and found that this completely restored memory in the older mice, to a level similar to that seen in the younger mice.
- ❖ The team have already identified a potential drug, licensed for human use, that can be taken by oral route and inhibits the formation of PNNs.

<https://www.nature.com/articles/s41380-021-01208-9/figures/4>

A NEW MOLECULE TO ILLUMINATE TISSUE FORMATION



Sensor combined with a functional peptide

- ❖ Researchers have developed a multi-component molecule that interacts with collagen and can be used to illuminate new tissue growth in the body.
- ❖ Our bodies produce collagen as wounds heal or as tumours grow. During this process, the fibrous collagen molecules cross-link to create stable fibres.

- ❖ This requires LOX enzymes, which oxidise certain sites in the collagen molecules.
- ❖ Researchers developed a sensor molecule with inducible fluorescence generated after reacting with the LOX enzyme.

<https://www.sciencedaily.com/releases/2021/08/210804123517.html>

Role in wound healing & detecting tumors

- ❖ Because new tissue forms primarily at the edges of tumours as they grow, one application for the new molecule is in biopsy examinations
- ❖ The molecule may show surgeons the boundary of the tumour and help them to remove it entirely.
- ❖ Other potential applications for the new marker molecule are in the field of wound healing, for example to investigate tissue formation in general or healing disorders.
- ❖ The scientists are currently exploring various options for bringing it to market and developing it for a wider range of applications.

<https://www.nature.com/articles/s41589-021-00830-6>

A NEW MOLECULE TO ILLUMINATE TISSUE FORMATION



Role in wound healing & detecting tumors

- ❖ Determining the 3D shapes of biological molecules is one of the hardest problems in modern biology and medical discovery.
- ❖ Millions of dollars are spent to determine a molecular structure – often unsuccessfully.
- ❖ Stanford University has developed an approach that predicts accurate structures computationally.
- ❖ Most notably, the approach learns from only a few known structures, making it applicable to the types of structures most difficult to determine experimentally.

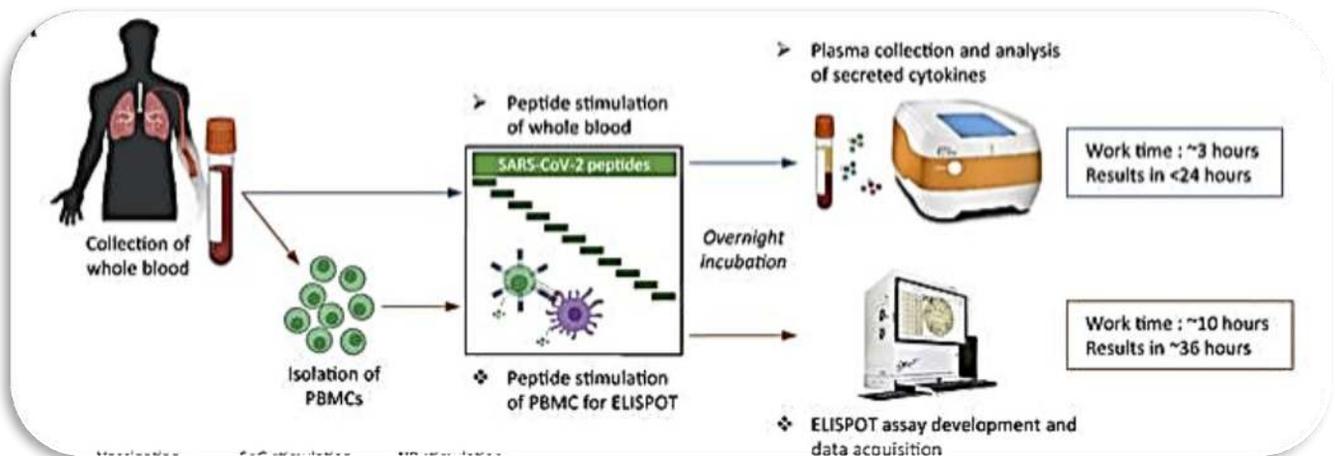
<https://www.worldpharmanews.com/research/5784-ai-algorithm-solves-structural-biology-challenges>

Broader applications

- ❖ Having shown success with proteins, researchers applied the algorithm to another class of important biological molecules, RNAs.
- ❖ Algorithm was tested in a series of “RNA Puzzles”, and in every case, the AI outperformed without being designed specifically for RNA structures.
- ❖ The method succeeds given very little training data suggesting that it could address unsolved problems in fields where data is scarce.
- ❖ One can start designing new molecules and medicines with this kind of information, which is an area that the researchers hope to explore next.

<https://www.worldpharmanews.com/research/5784-ai-algorithm-solves-structural-biology-challenges>

A SIMPLE T-CELL TEST TO SHOW THE FULL PICTURE OF BODY'S IMMUNE RESPONSE TO COVID-19



COVID-19: Test to Show Body's Immune Response

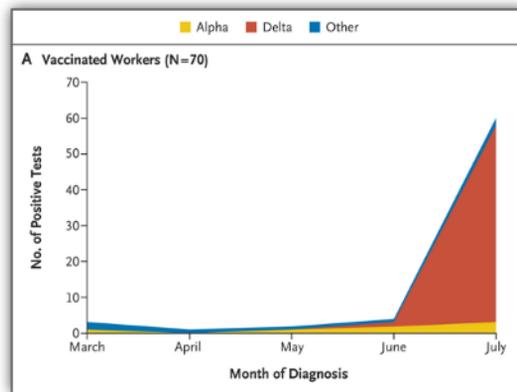
- ❖ Researchers have discovered a simple and rapid method to measure T-cell immune response to SARS-CoV-2 virus, which causes COVID-19.
- ❖ This a boost to scientists who routinely monitor SARS-CoV-2-specific T-cell responses to test and verify the effectiveness of vaccines.
- ❖ Scientists took blood samples from volunteers who were vaccinated against COVID-19, or who had recovered from the disease.
- ❖ They then introduced fragments of the SARS-CoV-2 spike protein directly into the blood samples.
- ❖ In response to these fragments, T cells released chemical signals called cytokines, which are much easier to detect and measure than T cells.

- ❖ This may allow a rapid expansion of studies to track T-cell activity across the world, while not requiring specialized expensive.
- ❖ To bring this to market, it has been licensed to further develop this rapid sars-cov-2 t-cell test for clinical use globally.

<https://www.sciencedaily.com/releases/2021/09/210902124937.html>

<https://www.jci.org/articles/view/152379>

WITH TIME AND WITHOUT MASKS, COVID-19 VACCINES WANE IN PROTECTION



Conclusion of the study

- ❖ Physicians and public health experts at University of California report that the effectiveness of both the Pfizer and Moderna mRNA COVID-19 vaccines significantly waned over time.
- ❖ They measured the effectiveness of COVID-19 mRNA vaccines among health workers, during the emergence of the highly transmissible delta virus variant and coincident with the end of the mask mandate
- ❖ Clinical data suggested decreased effectiveness occurs several months after full vaccination, but their findings indicate that confronted by the delta variant, vaccine effectiveness was considerably lower and waned six to eight months after completing vaccination.

<https://www.nejm.org/doi/10.1056/NEJMc2112981>

World Pharmacists' Day 2021

A webinar was organized by SPPSPTM, NMIMS, Mumbai on September 25th, 2021 for World Pharmacists' Day. The webinar was attended by first year B Pharm MBA students and the faculty members.

Dr. Nobil Skaria was invited as the chief guest who addressed the gathering on the various aspects of this profession. He also shared his experience of being a clinical pharmacologist in the Oncology sector.



The winners of the Pharmacists' quiz were announced where our first-year students gave an outstanding performance. The first place was bagged by Palak Agrawal & Rutvi Parmar while in second place we had Nikhitha Ramakrishnan & Mehak Sohal.

The workshop was attended by 83 students who gave positive feedback. Overall, the session was very interactive and informative.

Teacher's Day

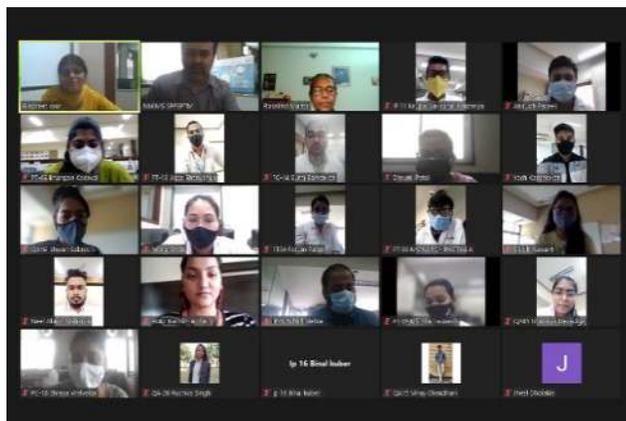
Birthday of Dr. Sarvepalli Radhakrishnan, is celebrated as "Teachers Day" on 5th September every year. Dr. Radhakrishnan believed that "teachers should be the best minds in the country". On this day, we gratefully remembered the great educationist, apart from honouring all the teachers that have made our life much more knowledgeable and fulfilled, as serving as our beacons of light.

The Dean, SPPSPTM felicitated faculty members with a book as a token of appreciation for their contribution towards the development of the School.

Workshop on "Basic Cell Culture Techniques"

A two-day workshop on Basic Cell Culture Techniques was conducted at SVKM's NMIMS Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management (SPPSPTM) from September 24, 2021 to September 25th, 2021. The program was attended by faculty members, and second year M Pharm and PhD students. The workshop gave an insight of various basic techniques and experimental protocols used in cell culture experiments.

Several informative lectures on importance of cell culture techniques and its applications, handling of cell lines, basic requirements and safety protocols were delivered by Dr. Mayur Yergeri (Head, Dept. of Pharmaceutical Chemistry, SPPSPTM), Dr. Dr. Rosalind Marita (Director – Research, Bayview Advisory Services Ltd), Dr. Kapil Juvele (Asst. Professor, SPPSPTM) and Dr. Ginpreet Kaur (Assoc. Professor, SPPSPTM).



Workshop also included live demonstration on cell culture technique protocols and analysis of data files using statistic software. The workshop was attended by 53 students, who gave positive feedback to the workshop. This skill building workshop would be useful for research students to conduct their project work involving cell culture techniques.

Workshop on “Recent trends in formulation development and dissolution”

SPPSPTM conducted two days’ workshop for faculty on “Recent trends in formulation development and dissolution” on August 27–28, 2021, under SERB-CRG-Scientific Social Responsibility. Dr. R S Gaud and Dr. Bala Prabhakar addressed the participants. List of eminent speakers along with their topics is given below.

Speaker	Topic
Prof. Padma V. Devarajan, Dean Research & Innovation, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology; Mumbai	Smart drug delivery strategies for brain targeting
Dr. M.S. Nagarsenker, Emeritus Professor, Bombay College of Pharmacy, Mumbai	Solubility and Dissolution- Concept and consideration in formulation strategies
Dr. Rajkumar Malayandi, Ex-DGM Clinical research (Biopharmaceutics and Pharmacokinetics), USV Pvt Ltd, Mumbai	Mechanistic Physiological Based Biopharmaceutics Modelling (PBBM): Generic Drug Product Development and Lifecycle Management
Mr. Suhas Yewale, Associate Director -Techno Commercial, SOTAX India	USP Type 4 Dissolution and It’s Applications
Dr. Krutika Sawant, Professor and Dean, Faculty of Pharmacy, Kalabhavan Campus, The Maharaja Sayajirao University, Baroda	Mesoporous Silica – An Emerging solubility and dissolution enhancement platform
Dr. Venkata Vamsi Krishna Venuganti, Associate Professor, Department of Pharmacy and Associate Dean, Graduate Studies and Research, BITS Pilani, Hyderabad Campus	Development of non-invasive drug delivery systems
Dr. Vijay Kulkarni, General Manager- Business Development and Collaborations, STEERLife India Pvt. Ltd	Hot Melt Extrusion and its Application in Pharmaceutical Industries and case studies



Development of Nanocarrier-Based Formulation of Clofazimine by Inhalation

Thesis Author: Dr. Tulshidas Patil

Tuberculosis (TB) disease is caused due to the infection of *Mycobacterium tuberculosis* bacilli which reside in alveolar macrophages (AMs). Clofazimine (CLF) has been reinstated clinically for the treatment of TB. However, major challenge of using CLF is its severe side-effects after oral administration.

The present research was aimed to develop nanocarrier-based formulation of clofazimine by inhalation and to establish the safety and enhance the bioavailability of CLF by its selective targeting towards alveolar macrophages.

CLF-NLCs were formulated by precipitation-hot micro emulsification and probe sonication method and optimized by using 33 Box-Behnken design. CLF-NLCs were surface modified with mannose (M-CLF-NLCs) for targeting the drug selectively towards alveolar macrophages. The developed formulations were characterized for their physicochemical parameters, solid-state characterization, in-vitro drug release, storage stability studies, in-vitro cell viability studies, in-vitro hemolytic toxicity studies, acute toxicity studies, and pharmacokinetics and biodistribution studies.

The prepared NLCs had particle size in the range of 300-350 nm and encapsulation efficiencies greater than 70%. In-vitro drug release studies showed pH-dependent and sustained drug release profiles. FTIR spectroscopic studies depicted the absence of any physicochemical interactions between the drug and excipients due to process parameters. FE-SEM studies confirmed the spherical morphologies of NLCs. DSC and XRD studies revealed the amorphous state of a drug within the lipid matrix and its maximum encapsulation into NLCs. The formulations showed high storage stability at ambient and refrigerated conditions. Hemocompatibility studies depicted normal RBCs count and least hemolysis for M-CLF-NLCs treated group. Cell viability studies revealed greater safety of NLCs than CLF-drug dispersion. In-vivo acute toxicity studies showed no physiological or behavioral changes and no mortality recorded over 14 days period. The pharmacokinetic studies revealed that M-CLF-NLCs had a better kinetic profile and two-fold greater bioavailability as compared to CLF-drug dispersion.

The present research work successfully developed CLF-NLCs and M-CLF-NLCs by applying QbD tactics. These nanocarriers can be used for the safe and effective targeting of CLF towards alveolar macrophages.

Articles Published in International Journals

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Madhura Rajadhyaksha, Vaishali Londhe	Review Article	Microsampling: A role to play in Covid-19 diagnosis, surveillance, treatment and clinical trials	Drug testing and analysis	1942-7611	13	7	1238 – 1248	July 2021	Wiley	3.345
Pravin Shende, Bhakti Khanolkar	Review Article	Human breast milk-based nutritherapy: A blueprint for pediatric healthcare.	Journal of Food & Drug Analysis	ISSN (ONLINE): 2224-6614 ISSN (PRINT): 1021-9498	29	2	203 – 213	July 2021	Food and Drug Administration, Taiwan (TFDA)	6.079
Pravin Shende, Prashnat Saini	Review Article	Drug-free Nanotherapies for Cancer Treatment	Current Nanoscience	ISSN (Print): 1573-4137 ISSN (Online): 1875-6786	17	3	463 – 474	2021	Bentham	1.8
Pravin Shende, Riddhi Trivedi	Review Article	Nanotheranostics in epilepsy: A perspective for multimodal diagnosis and strategic management	Nanoselect	ISSN: 2688-4011 (online).	2		1277 – 1290	2021	Wiley	-

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Nazneen Pathan, Pravin Shende,	Review Article	Tailoring of P-glycoprotein for effective transportation of actives across blood-brain-barrier	Journal of controlled Release	0168-3659 ISSN	335		398 – 407	2021	Elsevier	9.776
Surendra Agrawal, Pravina Gurjar	Research Article	Niosomal Delivery of Lisinopril for the Treatment of hypertension	Journal of Huazhong University of Science and Technology	ISSN-1671-4512	50,	6	HST-0621-727	June 2021	Journal of Huazhong University of Science and Technology	0.6
Meena Tilawat , Smita Bonde	Review Article	Nanococheates: A potential drug delivery system	Journal of Molecular Liquids	1677322			334, 116115	15-07-2021	Elsevier	6.165

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Mukta Agrawal, Shailendra Saraf, Madhulika Pradhan, Ravish J.Patel, Gautam Singhvi, Ajazuddin, Amit Alexander	Research Article	Design and optimization of curcumin loaded nano lipid carrier system using Box-Behnken design	Biomedicine & Pharmacotherapy	0753-3322			141, 111919	17-07-2021	Elsevier	6.529
Shilpa Dawre, Padma V. Devarajan, Abdul Samad	Research Article	Enhanced antibacterial activity of doxycycline and rifampicin combination loaded in nanoparticles against intracellular Brucella abortus.	Current Drug Delivery	1875-5704				June, 2021	Bentham Sciences	2.56
Mital Patel, Charmy Kothari	Research Article	A Comprehensive Stability Study of Vardenafil Using Quality by Design Approach	Chromatographia	0009-5893	84	8	751-767	August 2021	Springer Nature	2.044

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Darshan R. Telange, Nazish K. Sohail, Atul T. Hemke, Prashant S. Kharkar & Anil M. Pethe	Research	Phospholipid complex-loaded self-assembled phytosomal soft nanoparticles: evidence of enhanced solubility, dissolution rate, ex vivo permeability, oral bioavailability, and antioxidant potential of mangiferin	Drug Delivery and Translational Research	2190-3948	11	--	1056-1083	July, 2021	Springer	4.617
Surendra Agrawal, Pravin O. Patil	Review Article	Immunomodulatory Phytochemicals for Chemoprevention	International Journal of Pharmaceutical Chemistry & Analysis	2394-2789	8	2	49-58	July 2021	Innovative Publication	NA
Kamlesh H. Chavan, Nathrao Ankushrao Kedar, Ashish M. Kanhed, Vishal Kumar Agrahari, Anshuman Sinha	Research Article	Synthesis, molecular modeling and biological evaluations of novel pyrrolidine derivatives as potential cyclooxygenase-2 (COX-2) inhibitors	Journal of the Iranian Chemical Society	1735-2428	18	7	1801-1813	July 2021	Springer	2.019

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Hardeep Singh Tuli, Sonam Mittal, Diwakar Aggarwal, Gaurav Parashar, Nidarshana Chaturvedi Parashar, Sushil Kumar Upadhyay, Tushar Singh Barwal, Aklank Jain, Ginpreet Kaur, Raj Savla, Katrin Sak, Manoj Kumar, Mehmet Varol, Ashif Iqbal, Anil Kumar Sharma	Review Article	Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance	Seminars in Cancer Biology	1044-579X	73	NA	196-218	August 2021	Elsevier	15.707

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Ruthvika Joshi, Ankit P Laddha, Yogesh A Kulkarni, Sarika Wairkar	Research Article	Improved performance of naringenin herbosomes over naringenin in streptozotocin-induced diabetic rats: In vitro and in vivo evaluation	Asian Pacific Journal of Tropical Biomedicine	2221-1691	11	9	385-393	July, 2021	Wolters Kluwer - Medknow	1.545
Varunesh Sanjay Tambe, Avni Nautiyal, Sarika Wairkar	Review Article	Topical lipid nanocarriers for management of psoriasis- an overview	Journal of Drug Delivery Science and Technology	1773-2247	64	NA	102671	August 2021	Elsevier	3.981
Shende P, Gandhi S.	Review Article	Current strategies of radiopharmaceuticals in theranostic applications	Journal of Drug Delivery Science and Technology	1773-2247	64	NA	102594	August 2021	Elsevier	3.981

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
AK Azad, Abd Almonem, John F.Kennedy, Bappaditya Chatterjee, Hriday Bera	Research Article	Electrohydrodynamic assisted synthesis of lecithin-stabilized peppermint oil-loaded alginate microbeads for intestinal drug delivery	International Journal of Biological Macromolecules	0141-8130	185	NA	861-875	August 2021	Elsevier	6.953
Swapna Poudwal, Ambikandan Misra, Pravin Shende	Review Article	Role of lipid nanocarriers for enhancing oral absorption and bioavailability of insulin and GLP-1 receptor agonists	Journal of Drug Targeting	1029-2330	29	8	834-847	August 2021	Taylor & Francis	5.121

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Rupali Bhadale, Vaishali Londhe	Review Article	A systematic review of carbohydrate-based microneedles : current status and future prospects	Journal of Materials Science: Materials in Medicine	1573-4838	32	8	89	August 2021	Springer	3.896
P. SomaYasaswi, Karishma Shetty, Khushwant S.Yadav	Review Article	Temozolomide nano enabled medicine: promises made by the nanocarriers in glioblastoma therapy	Journal of Controlled Release	0168-3659	336	NA	549-571	August 2021	Elsevier	9.776
Sonali S. Bharate	Review Article	Carboxylic Acid Counterions in FDA-Approved Pharmaceutical Salts	Pharmaceutical Research	0724-8741 (print); 1573-904X (web)	38	-	1307 - 1326	Sept 2021	Springer	4.2

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Ajay B. Madrewar, Ashwini S. Deshpande, Sankha Bhattacharya	Review Article	Mini-Review on Bioanalytical Estimation of Brinzolamide	Current Pharm. Analysis	1573-4129				August, 2021	Bentham Sciences	0.89
Pradhan M, Shah K, Alexander A, Ajazuddin, Minz S, Singh MR, Singh D, Yadav K, Chauhan		COVID-19: clinical presentation and detection methods	J Immunoassay Immunochem		1532-1819		-	Aug 2021	Taylor and Francis	

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Iliyas Khan, Bibekananda Sarkar, Gaurav Joshi, Kartik T. Nakhate, Ajazuddin, Anil K. Mantha, Raj Kumar, Ankur Kaul, Shubhrai Chaturvedi, Anil K. Mishra, Umesh Gupta	Research Article	Biodegradable nanoparticulate co-delivery of flavonoid and doxorubicin: Mechanistic exploration and evaluation of anticancer effect in vitro and in vivo	Bio-materials and Biosystem, Elsevier	2666 - 5344	3, 2021, 100022		-	July 2021	Elsevier	
Manisha Lalan, Pranav Shah, Kalyani Barve, Khushali Parekh, Tejal Mehta, Priya Patel	Review Article	Skin cancer therapeutics: nano-drug delivery vectors—present and beyond	Future Journal of Pharmaceutical sciences	ISSN: 2314-7253	7	1	179	August 2021	Springer open	NA

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Sankha Bhattacharya	Review Article	Double w/o/w self-nano emulsifying drug delivery system of imatinib mesylate for colon cancer treatment	Journal of Molecular Liquids	18733166	Volume 341			30 August 2021	Elsevier	6.165
Sonali S. Bharate	Review Article	Modulation of biopharmaceutical properties of acidic drugs using cationic counterions: A critical analysis of FDA-approved pharmaceutical salts	International Journal of Pharmaceutics	0378-5173 (print); 1873-3476 (web)	607	-	120993	Sept 2021	Elsevier	5.875

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Aboli Girme, Ganesh Saste, Sandeep Pawar, Chetana Ghule, Amit Mirgal, Saurabh Patel, Anshuly Tiwari, Sautik Ghoshal, Sandip Bharate, Sonali Bharate, D. Srinivasa Reddy, Ram Vishwakarma, Lal Hingorani	Research Article	Quantitative Determination and Characterization of a Kashmir Saffron (<i>Crocus sativus</i> L.)-Based Botanical Supplement Using Single Laboratory Validation Study by HPLC-PDA with LC-MS/MS and HPTLC Investigations	ACS Omega	2470-1343 (print); 2470-1343 (web)	6	-	23460 - 23474	Sept 2021	American Chemical Society (United States)	3.512
Pravin Shende, Prashant Saini	Review Article	Drug-free Nanotherapies for Cancer Treatment	Current Nanoscience	1875-6786	17	3	463 - 474	Sept 2021	Bentham Science	1.824

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Satish Rojekar, Leila Fotooh Abadi, Rohan Pai, Ketan Mahajan, Smita Kulkarni, Pradeep R Vavia	Research Article	Multi-organ targeting of HIV-1 viral reservoirs with etravirine loaded nanostructured lipid carrier: An in-vivo proof of concept	European Journal of Pharmaceutical Sciences	0928-0987	164	-	105916	Sept 2021	Elsevier	4.384
Satish Rojekar, Rohan Pai, Leila Fotooh Abadi, Ketan Mahajan, Mahendra Kumar Prajapati, Smita Kulkarni, Pradeep R Vavia	Research Article	Dual loaded nanostructure-d lipid carrier of nano-selenium and Etravirine as a potential anti-HIV therapy	International Journal of Pharmaceutics	0378-5173	607	-	120986	Sept 2021	Elsevier	5.875
Nivedeta Gandhewar, Pravin Shende	Review Article	Ionic liquids: a state of the art for biomedical applications	Ionics	1862-0760	27		3715 - 3728	Sept 2021	Springer	2.817

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Shah A, Shah Aarti, Nandakumar K, Kumar A, Pai A, Lobo R.	Research Article	In-silico and in-vivo evaluation of sesamol and its derivatives for benign prostatic hypertrophy	3 Biotech	PMID: 34466348; PMCID: PMC8364611.	11	9	411	August 2021	Springer open	2.4
Narayan Ture , Drashti Desai, Pravin Shende	Research Article	Polyplexes of retinoic acid: an in vitro study of complex nanostructures against colorectal cancer cell line (HCT-15).	Journal of Materials Science: Materials in Medicine	1573-4838	32	9	122	Sept 2021	Springer	3.896
Mansi Waghchaur, Sharayu Govardhan, Pravin Shende	Research Article	Enhancement of immunopotentiality using tetanus toxoid-based nanoparticle-dissolvable microneedles.	Biomedical Microdevices	1572-8781	23	3	32	Sept 2021	Springer	2.838

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Sankha Bhattacharya	Research Article	Methotrexate-loaded polymeric lipid hybrid nanoparticles (PLHNPs): a reliable drug delivery system for the treatment of glioblastoma	Journal of Experimental Nanoscience	17458080	Volume 16, 2021	Issue 1	Volume 16, 2021 - Issue 1	Published online: 24 Sep 2021	Taylor & Francis	3.075

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Atul Chaudhary , Aseem Setia, Dilpreet Singh, Sankha Bhattacharya	Review Article	Applications of Microbubbles as a Nano-carrier for cancer Theranostics.	Pharmaceutical Nanotechnology	22117385	-		-	08 Sep 2021,	Bentham Science Publishers	4.6
Vijay Mishra Pallavi Nayak, Mayank Sharma , Aqel Albutti , Ameen S. S. Alwashmi , Mohammad Abdullah Aljasir , Noorah Alsowayeh and Murtaza M. Tambuwala	Review Article	Emerging Treatment Strategies for Diabetes Mellitus and Associated Complications: An Update	Pharmaceutics (MDPI)	1999-4923	Volume 13 Issue (10), pagination 1568			27th Sep 2021	MDPI	6.321

Articles Published in National Journals

Name of the authors	Paper / Article	Title of the article / research paper	Name of the Journal	ISSN No.	Volume	Issue	Start Page - End Page / Article No.	Date / year	Publishing authority	Impact Factor
Mudassir Ansari, Kavita Singh	Review Article	Potential application of Colonic drug delivery system in prevention and treatment of Colorectal Cancer	The Journal of Pharmaceutical Sciences and Medicinal Research		1	3	45 - 60	Aug 2021	The Journal of Pharmaceutical Sciences and Medicinal Research	NA
Sankha Bhattacharya, Utkarsha Chhotulal Kuwarl	Review Article	Dendrimer evolution timeline: Ground-breaking progress in cancer treatment	Indian Journal of Pharmacy and Pharmacology	2393-9087	2021;8(3)	:179-181		04-09-2021	https://www.ipinnovative.com/open-access-journals	NA
Chandrakant Bonde, Smita Bonde, Jineet Gawad	Review Article	Insights into development of Decaprenyl-phosphoryl- β -D-ribose 2'-epimerase (DprE1) inhibitors as antitubercular agents: A state of the art review	Indian Journal of Tuberculosis	0019-5707				10-Sep 21	Elsevier	NA

Books and Book Chapter

Books

Name of the author/s	Title of the book	Name of the publisher	Date/Year of publication	URL
Aseem Setia; Sankha Bhattacharya*; Ram Kumar Sahu	An All-Embracing Updates On SARS- CoV-2	Notion Press	July, 2021	https://notionpress.com/read/an-all-embracing-updates-on-sars-cov-2
Sankha Bhattacharya & Dilpreet Singh	Targeted Lipid Based Carriers for Improved Drug Delivery	Notion Press	July, 2021	https://notionpress.com/read/targeted-lipid-based-carriers-for-improved-drug-delivery
Devesh Kapoor, Swapnil Sharma, Kanika Verma, Akansha Bish, Yashu Chourasiya, Mayank Sharma, Rahul Maheshwari	Pharmaceutical and Biomedical Applications of Multifunctional Quantum Dots	Micro-and Nanotechnologies- Ba sed Product Development	CRC Press	

Book Chapter

Name of the author/s	Name of the Chapter	Name of the book	Name of the publisher	Date / Year of publication
Malek V., Suryavanshi S.V., Sharma N., Kulkarni Y.A., Mulay S.R., Gaikwad A.B.	Potential of Renin- Angiotensin- Aldosterone System Modulations in Diabetic Kidney Disease: Old Players to New Hope!	Reviews of Physiology, Biochemistry and Pharmacology	Springer	August 2021
Bappaditya Chatterjee, Pinaki Sengupta, Rakesh Tekade	Pharmacokinetic Characterization of Drug and New Product Development	Biopharmaceutics and Pharmacokinetics Considerations	Academic Press: Elsevier, USA.	July 2021
K. Rajpoot, R.K.Tekade, Bappaditya Chatterjee, M. Sharma, M. Tekade	Biopharmaceutical Considerations in Pediatric and Geriatric Formulation Development	Biopharmaceutics and Pharmacokinetics Considerations	Academic Press: Elsevier, USA.	July 2021

Books and Book Chapter

Book Chapter

Name of the author/s	Name of the Chapter	Name of the book	Name of the publisher	Date / Year of publication
Yashodhara Dalal, Maushmi S. Kumar	Recent Development of Monoclonal Antibodies Targeting Tyrosine Kinase in ROS- Mediated Cancer	Handbook of Oxidative Stress in Cancer: Mechanistic Aspects	Springer, Singapore.	May 2021

Conferences / Seminars / Workshops attended

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Aarti A.Shah	AICTE Short Term Course “Advances in Biomaterials and Tissue Engineering”	January 25-30, 2021	Online	All India Council for Technical Education (AICTE)
Divya Suares, Kavita Singh, Priyanka Prabhu	Webinar on Lipid Excipients for Solubility and Bioavailability enhancement	June 29, 2021	Online	International Pharmaceutical Excipients Council of India (IPEC India)
Mital Patel	Two days workshop on “Global pharma regulatory affairs”	July 3-4, 2021	Online	MIT-WPU, Pune and Shivaji university, Kolhapur
Sandip Auti	Webinar on “Stereotaxic Neurosurgery: Exploration of The Brain”	July 06, 2021	Online	SGMSPM’s Sharadchandra Pawar College of Pharmacy, Otur Pune, Maharashtra
Mayur Yergeri	NAAC Training	July 22, 2021	Online	NAAC Bangalore
Madhav Shelke	Raman microscopy: The solution for advanced characterization of packaging and polymers	12-07-2021	Webinar	Select Science
Madhav Shelke	The power of (U)HPLC selectivity for diverse pharmaceutical methods	26/07/2021	Webinar	Select Science
Sankha Bhattacharya	international workshop on neurobiology	29.06.2021 to 03.07.2021	Online	IIT (BHU), Varanasi
G. L. Gupta	Metabolism in Health and Disease	June 28-30, 2021	Online	Nature Metabolism, Nature Cell Biology, Nature Reviews Molecular Cell Biology
G. L. Gupta	Alzheimer's Disease	July 26 - 30	Online	Alzheimer's Conference, Denver, USA

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Payal Rahul Dande	“Building an Innovation/ Product fit for the market”	17/07/2021	Online	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pune
Payal Rahul Dande	Importance Of Profession Ready Training and Placement Program	17/07/2022	Online	CliniIndia
Kalyani Barve, Anshul Garg	Innovation Ambassador training (Foundation Level)	June 30 – July 30, 2021	Online	MoE's Innovation Cell & AICTE
Sarika Wairkar	IPEC India Webinar on- Lipid Excipients for Solubility and Bioavailability Enhancement	June 29, 2021	Online	International Pharmaceutical Excipients Council of India (IPEC India)
Priyanka Prabhu	Two days Online Workshop on Global Pharma Regulatory Affairs	July 3-4, 2021	Online	MIT-WPU School of Pharmacy, Pune and Shivaji University, Kolhapur
Maushmi Kumar	Webinar on Humanized Mice & Applications in Healthcare Research	July 19, 2021	Online	Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)
Sandip Auti	National Workshop on How to develop Quality Monographs for herbs for IP	July 26, 2021	Online	All Pharmacognosy and Phytochemist Association (APPA), in association with IPA- Channapatna, Dr.H.L.Thimmegowda College of Pharmacy,Channapatna, Sarada Vilas College of Pharmacy, Mysuru, National College of Pharmacy, Shivamoga and SBD Institute of Pharmacy, Bangalore

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Mital Patel	Three days online International conference on Conventional and Digital methods in Chemical Education	July 29 – 31, 2021	Online	Department of chemistry, NIT Warangal
Priyanka Prabhu	IPEC India Webinar on Excipients for long acting drug delivery and solubility enhancement	August 5, 2021	Online	International Pharmaceutical Excipients Council of India (IPEC India)
Vaishali Londhe, Bappaditya Chatterjee	Webinar on personalized medicine	August 6, 2021	Online	SPPSPTM, SVKM'S NMIMS, Mumbai
Archana Upadhyaya	Three Days Virtual Workshop and hands on Training on "Bioinformatics Approaches for Data Analysis & Research"	August 12-14, 2021	Online	Department of Biotechnology, Jaypee Institute of Information Technology, Noida
Aarti Shah, Sandip Auti	Workshop on "Examination Reforms"	August 23-25, 2021	Online	All India Council for Technical Education
Madhav Shelke	Easy, rapid and direct analysis of challenging polar compounds	19/08/2021	Webinar	SelectScience
Madhav Shelke	Automated process monitoring via liquid chromatography (LC)	16/08/2021	Webinar	SelectScience
Shilpa Dawre	International conference on vital role of polymers in drug delivery	13 to 14 August, 2021	Online	L.J. Institute of Pharmacy
Shilpa Dawre	Recent trends in formulation development and dissolution	27 to 28 August, 2021	Online	SPPSTM, Mumbai
Saurabh Maru	NPTEL E-Awareness Workshop	27 August, 2021	Online	IIT Madras
Saurabh Maru	SFEC2021 Pre-conference workshop on "Scientific Communication"	26 August, 2021	Online	Society of Ethnopharmacology
Saurabh Maru	8th International Congress of the Society of Ethnopharmacology	27 to 29 August, 2021	Online	Society of Ethnopharmacology

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Sankha Bhattacharya	Conquering the intricacies of citations and references	Aug 24, 2021	Online	WILEY
Sankha Bhattacharya	Data Mining Using Orange Software	12th August, 2021	Online	NMIMS Hyderabad
Shivane Vyas	Data Mining Using Orange Software	12 August, 2021	Online	NMIMS Hyderabad
Shivane Vyas	NPTEL E-Awareness Workshop	27 August, 2021	Online	IIT Madras
Shilpa Dawre	Attended webinar on “Meeting the goals of Precision Medicine with Pharmaceutical Technology	6 August, 2021	Online	SPPSTM, Mumbai
Jagdish K. Sahu	Toxicophores in Drug Discovery	27 August 2021	Online Webinar	Amity University, Lucknow
Mayank Sharma	Role of IPR in Academics & Research”	16 August, 2021	Online	RIMT University, Mandi Gobindgarh (Punjab)
Mayank Sharma	“Regulatory Requirements for New Drug Submissions”	20 August, 2021	Online	RIMT University, Mandi Gobindgarh (Punjab)
Mayank Sharma	Importance of Dream board/Vision board in success	28 August 2021	Online	MNR college of Pharmacy , Hyderabad
Mayank Sharma	webinar on “Meeting the goals of Precision Medicine with Pharmaceutical Technology	6 August, 2021	Online	SPPSTM, Mumbai

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Vaishali Londhe	Webinar - A New Test Method to Establish Targeted Delivery to the Upper Respiratory Tract	July 19, 2021	Online	Aptar Pharma
Amisha Vora, Kapil Juvale	Innovation Ambassador training	August 5 – 31, 2021	Online	MoE's Innovation Cell & AICTE
Mital Patel	AICTE-Workshop on Examination Reforms	August 23 – 25, 2021	Online	AICTE FDP cell
Sateesh B., Sarika Wairkar, Sonali Bharate, Aarti Shah, Anjali Takke	Workshop for 2 days - Recent trends in formulation development and dissolution	August 27 - 28, 2021	Online	National (SERB CRG Scientific Social Responsibility)
Kalyani Barve	8th International Congress of the Society for Ethnopharmacology- India (SFEC 2021)	August 27 - 29, 2021	Poona college of pharmacy, Bharti Vidayappeth, Pune	Society for Ethnopharmacology- India and Bharti Vidyapeeth, Pune
Kavita Singh	Webinar - The nuts & bolts of peer review: a discussion	Aug 2021	Online	Elsevier research academy
Kavita Singh	Webinar - How to produce highly visible research: Useful tips for researchers	Aug 2021	Online	Elsevier research academy

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Shilpa Dawre	Precision Medicine: Current scenario and Future aspects	24 to 25.09.2021	Online	Sri Aurobindo Institute of Pharmacy, Indore
Ketan Hatware, Madhav Shelke	'Pharma Outreach Lecture Series: Trends in Drug Discovery & Healthcare Management' Data Analytics for Pharmaceutical Research	18.09.2021	Online	SPTM, Shirpur
Ketan Hatware	Virtual Faculty Lounge	23.09.2021	Online	NMIMS MPTP Shirpur Campus
Shivane Vyas	Leveraging pharmacists to minimise the impact of air pollution on health	7 September, 2021	Online	International Pharmaceutical federation, Netherland
Shivane Vyas	Understanding and managing headaches in the community	13 September, 2021	Online	International Pharmaceutical federation, Netherland
Shivane Vyas	Strategies towards improved patient outcomes with OTC analgesics	14 September, 2021	Online	International Pharmaceutical federation, Netherland
Shivane Vyas	National Level Pharmacovigilance Week 2021 "Role Of Healthcare Professional In Adverse Drug Reaction And Pharmacovigilance"	17- 23rd September, 2021	Online	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune
Shivane Vyas	The role of the pharmacist in the prevention and management of vector-borne diseases	22 September, 2021	Online	International Pharmaceutical federation, Netherland
Shivane Vyas	AICTE Sponsored National Conference on "Precision Medicine: Current Scenario and Future Aspects"	24 – 25 September, 2021	Online	Sri Aurobindo Institute of Pharmacy, Indore, Madhya Pradesh
Sankha Bhattacharya	Building Strategies to Engage Students in Virtual Classes	30th August 2021	NMIMS Hyderabad(Online)	NMIMS Hyderabad

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Mayank Sharm, Meena Tilawat, Sanjay Sharma, Jagdish K Sahu, Piyush Ghode, Saurabh Maru, Preeti C Sangave,	'Pharma Outreach Lecture Series: Trends in Drug Discovery & Healthcare Management' Data Analytics for Pharmaceutical Research	18.09.2021	Online	SPTM, Shirpur
Meena Tilawat	Two days workshop on Basic cell culture Techniques	24-25 september 2021	online	SVKM's NMIMS, SPPSPTM Mumbai
Meena Tilawat, Piyush Ghode, Saurabh Maru, Preeti C Sangave	'Pharma Outreach Lecture Series: Trends in Drug Discovery & Healthcare Management From Lab to market and beyond: Role of Pharmaceutical Patents	25/9/21	Online	SVKM's NMIMS MPTP Shirpur campus

Name of the Faculty Member	Name of the Conference / Seminar / Workshop	Date	Place	Organising Body / Inst.
Preeti C Sangave	Expert Dialogues: 'Emotional Intelligence for Career Growth' & Quality Assurance An interactive session	17.09.2021	Online	SVKM's NMIMS, SPTM, Shirpur campus
Mahesh Posa	Recent trends in clinical research for viral vaccine production	12/09/2021 to 13/09/2021	Online	Learn to upgrade recognized by DBT & NSDC
Mahesh Posa	Nutritional Products Formulation strategies- Emerging Trends and Societal Implications	18/09/2021	Online	National Academy of Sciences, India (NASI) in association with SVKM'S Dr. Bhanuben Nanavati College of Pharmacy, Mumbai

Faculty Development Programs Attended

Name of Faculty	Topic	Duration / Date	Venue	Organizing body
Saritha Shetty	Technological advancement and manufacturing of Biosimilars for Cancer therapy: Present hurdles and Future prospects"	June 21 – 25, 2021	Online	National Institute of Pharmaceutical Education & Research (NIPER), Hajipur
Divya Suares	AICTE ATAL FDP on Nano furtherance of pharmaceutical engineering: an industrial perceive	June 21 – 25, 2021	Online	Nirmala College of Pharmacy, Kerala
Saritha Shetty	"Green Entrepreneurship for Atmanirbhar Bharat"	June 14 – 18, 2021	Online	National Institute of Technical Teachers' Training and Research (NITTTR) Bhopal.
Mital Patel	AICTE ATAL FDP on "Recent Advances in Biosimilars Development"	July 5 – 9, 2021	Online	National Institute of Pharmaceutical Education & Research (NIPER),, Kolkata
Saurabh Maru	Organizational Behaviour	12-16 July 2021	Hyderabad (Online)	NIPER, Hyderabad and AICTE Training And Learning (ATAL) Academy
Saurabh Maru, Payal Rahul Dande, Saurabh Maru	Design Thinking for Professors: Becoming the Change Agent	5-12 July 2021	Hyderabad (Online)	NMIMS Hyderabad
Saurabh Maru	Organizational Behaviour	12-16 July 2021	Hyderabad (Online)	NIPER, Hyderabad and AICTE Training And Learning (ATAL) Academy
Ashish Kanhed	Revisiting Different Facets of Medicinal Chemistry	July 5-9, 2021	Online	AICTE - Bombay College of Pharmacy
Saurabh Maru	Data Mining Using Orange Software	12th Aug,2021	Hyderabad (Online)	NMIMS Hyderabad

Name of Faculty	Topic	Duration / Date	Venue	Organizing body
Saurabh Maru, Shivane Vyas, Meena Tilawat, Mayank Sharma	FDP on Building Strategies to Engage Students in Virtual Classes	30 Aug. 2021	Online	NMIMS Hyderabad
Shivane Vyas	Three Days Online International Faculty Development Program on “Intellectual property right and patents”	04 to 06 Aug, 2021	Online	Acropolis Institute of Pharmaceutical Education & Research, Indore
Preeti C Sangave	FDP on "Fermentation Technology Biochemical Engg”	02/08/2021 to 06/08/2021	Online	ATAL Academy at Jeppiaar Engg. College
Meena Tilawat, Mayank Sharma	FDP on Data analytics using Orange	12 August, 2021	Online	NMIMS Hyderabad
Mayank Sharma	Three Days Online International Faculty Development Program on “Intellectual property right and patents”	4/8/2021-6/8/2021	Online	Acropolis Institute of Pharmaceutical Education & Research, Indore
Amisha Vora	Revisiting different facets of Medicinal Chemistry	July 5 – 9, 2021	Online	AICTE
Kavita Singh	Introduction to the Biology of Cancer	July-Aug 2021	Online	John Hopkin University
Kavita Singh	The key to successful academic collaborations	Aug 2021	Online	Elsevier research academy
Shivane Vyas	National level FDP for Online Teaching	12 September, 2021	Online	Pharmacad, Mumbai
Jagdish K Sahu	Drug Engineering: Challenges & Innovations sponsored by AICTE- ATAL	September 13-17, 2021	Online	I.T.S. College of Pharmacy, Ghaziabad (U.P.)
Saurabh Maru	Emotional Intelligence	13/09/2021 to 17/09/2021	Online	ATAL Academy, AICTE

Invited as a chief guest, keynote speaker, chairperson of the session, paper presenter

Faculty Name	Name of the Programme	Date	Place	Organising Body / Inst.	Role Played
Saurabh Maru	BGI Expert talks	3 July 2021	Bhopal (Online)	Bansal College of Pharmacy, Bhopal	Keynote Speaker
Yogesh Kulkarni	All India Council for Technical Education (AICTE) sponsored Short Term Training Program (STTP) on An Exploration of Novel Drug Delivery System in Herbal Medicine	August 3, 2021	Online	Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra	Resource person
Mayur Yergeri	Artificial Intelligence in Drug Development: Recent Trends and Future Prospective	August 11, 2021	Online	Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha.	Guest Speaker
Ajazuddin	Webinar on How to write compelling Review Article	21.08.2021	Bhilai	SSTC-FPS, Bhilai	Invited Speaker
Anil Pethe	Glenmark Learning Session for Glenmark R&D team of Nasik, Navi Mumbai & UK.	17/08/2021	Online	Glenmark Research Centre	Speaker
Bappaditya Chatterjee	AICTE sponsored short term training programme	August 23-28, 2021	Online	Dibrugarh University, Assam	Invited as a Resource person to deliver a session on 26th August, 2021
Bappaditya Chatterjee	Research and article writing seminar	September 16, 2021	Online	Dubai Pharmacy College for Girls, Dubai, UAE	Invited lecture on ASD formulation challenges
Jaikanth Chandrasekaran	Drug Discovery in the Multi Omics Era	25/09/2021	Online	Department of Pharmacology, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India	Resource Person

Research Grants

Industry:

Name of the Project	Faculty Name	Name of the Funding Organisation	Type of Organisation (Govt./ Industry/ Uni. Seed Grant)	Duration of Project (No. of months)	Year of sanction	Total outlay (Rs.)
Research Consultancy	Yogesh Kulkarni	ThinQ Pharma Ltd.	Industry	1 month	2021	35,000/-
Determination of nitrosoamine impurities in samples of Metformin	Amisha Viora	Nanghavi chromatography solutions Pvt Ltd	Industry	2 months	2021	1,75,000/-
Impurity profiling of synthetic samples	Amisha Viora	Embio Ltd	Industry	1 month	2021	55,000/-

Government:

Name of the Project	Faculty Name	Name of the Funding Organisation	Type of Organisation (Govt./ Industry)	Duration of Project (No. of months)	Year of sanction	Total outlay (Rs.)
Sensing Disease with Ease Using Voice Analytics and Artificial Intelligence	Dr. Ranajit Shinde (Co-Principal Investigator)	DBT BIRAC BIG	Government	18 Months	4 th September 2021	50 lakhs
Sensing Disease with Ease Using Voice Analytics and Artificial Intelligence	Dr. Preeti C Sangave (Co-Principal Investigator)	DBT BIRAC BIG	Government	18 Months	4 th September 2021	50 lakhs

Patents

Name of the Author/s	Patent No. & Country	Title of the Patent	Status of the patent	Date / Year
Nakhate, Kartik; Badwaik, Hemant; ...Ajazuddin,	2021104019, AUS	A system to detect stress and its impact on the development of obesity and type 2 diabetes.	FILED	09-07-2021
Chandrakant Bonde, Smita Bonde, Mayank Sharma	2021103977 Australian Patent	SYNTHESIS OF NOVEL ANTITUBERCULAR AGENTS	Granted	08/07/2021
Suresh Kumar, Renu Saharan, Dr. Abhishek Tiwari, Dr. Jagdish K. Sahu et al	2021105736, AUS	Synthesis, characterization and biological evaluation of Cyclo-octapeptide, Cyclogossine B (77)	FILED	18/08/2021
Gyanesh Sahu, Harish Sharma, CD Kaur, Ajazuddin, Swarnali Das Paul	202121035944 , Indian Patent	Development of bioflavonoids loaded nanoparticles for anticancer activity	FILED	09.08.2021
Gyanesh Sahu, Harish Sharma, CD Kaur, Ajazuddin, Swarnali Das Paul	202121035943 , Indian Patent	Nano Delivery System of a Chemotherapeutic Agent With Herbal Bioenhancer	FILED	09.08.2021
S. Das, G. Indra, A. Srinivas, D. Sinha, Kannan K, R Jayashree,,M, B. Keerthi Priya, Saurabh Maru, JK Sharma, P. Bhambri, RR Dangi, N. Mahato	2021105401, AUS	Intelligent Drug Quality Control Analysis System and method based in Machine Learning	FILED	12/08/2021
S. Maru, Dr. S. Belemkar	2021107487, AUS	Poly-herbal formulation to improve lactation	FILED	25/08/2021

AWARDS & ACCOLADES



School Awards:

- ❖ SPPSPTM, SVKM's NMIMS ranked 14th in the country as per National Institutional Ranking Framework (NIRF) 2021 by Ministry of Education, Govt. of India. The parameters assessed by NIRF includes Teaching Learning & Resources, Research and Professional Practice, Graduation Outcome, Outreach & Industry and Perception.

Faculty Honors:

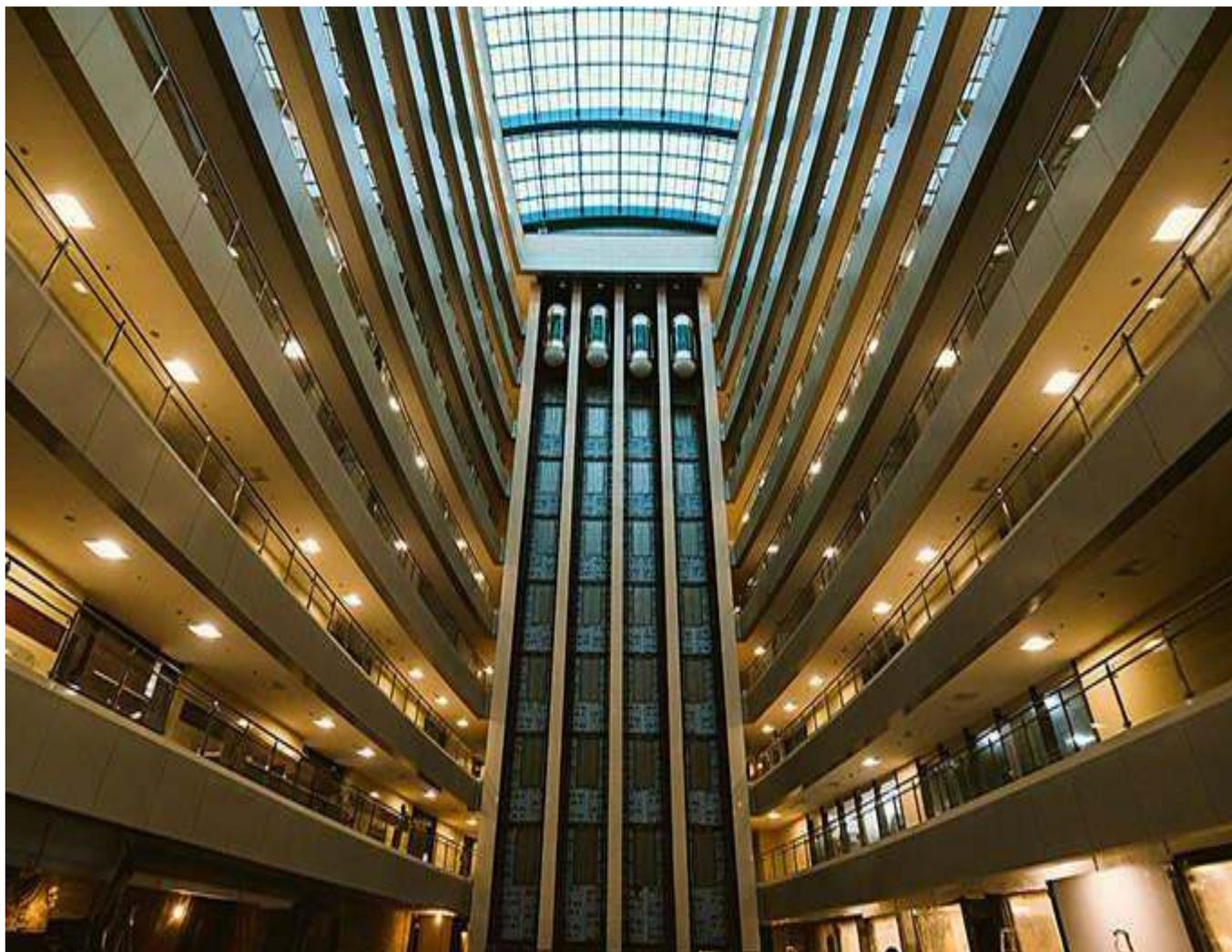
- ❖ Dr. Surendra Agrawal, Associate Professor got Appreciation Award by Association of Pharmaceutical Teachers of India (APTI) Mumbai Branch on August 15, 2021. The APTI Mumbai Branch honoured for the commitment and involvement in the development of APTI Mumbai Branch Activities.
- ❖ Dr. G. L. Gupta has been invited as Scientist from outside the Institute in the Institutional Animal Ethical Committee of Reliance Life Sciences Pvt. Ltd., Navi Mumbai as per rules and regulations of CPCSEA, Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying, Government of India on August 20, 2021.
- ❖ Dr. Payal Dande has been invited as Resource Person for the AICTE ATAL Sponsored Online Faculty Development Programme on, "Leadership and Excellence in Higher Education" scheduled from 23-27 August 2021. Mr. Saurabh Maru has been invited as an expert at State NITI Ayog and Planning Commission, Madhya Pradesh at Bhopal, to advise on policies related to AYUSH Department and promotion of research & development in herbal drugs and pharmaceuticals sector on August 19, 2021.
- ❖ Dr. Sankha Bhattacharya became a member (IESRF/2021/107) of the Innovative Education and Scientific Foundation for the year 2021-22 (<https://iesrf.org/member-list>)

- ❖ Dr. Ajazuddin has been invited as Link Nominee, CPCSEA, for IAEC meeting held on 17.08.2021 at College of Veterinary Sciences & AH, Anjora.
- ❖ Ms. Mukta Agrawal, Dr. Amit Alexander and Dr. Ajazuddin, has received certificate of appreciation and 10,000/- Cash prize for the (First Price, Central Zone) DRPI 2021-Online.
- ❖ Dr. Sanjay Sharma Invited, as Speaker for delivered Research talk (Topic: Research Accomplishment) on 28-August 2021, Saturday, in Research Lecture Series, organized by SPPSPTM, School of Pharmacy and Technology, NMIMS, Mumbai
- ❖ Mr. Saurabh Maru has been invited as an expert at State NITI Ayog and Planning Commission, Madhya Pradesh at Bhopal, to advise on policies related to AYUSH Department and promotion of research, development and entrepreneurship related to herbal drugs and pharmaceutical sector in the state, on August 19, 2021.
- ❖ Dr Sonali S Bharate, Associate Professor, SPPSPTM has been conferred with the CSIR Technology Award 2021 for her innovative research on Saffron on CSIR Foundation Day in gracious presence of Vice President of India, Minister of State for the Ministry of Science of Technology and Principal Scientific Advisor to Government of India and Director General, CSIR.
- ❖ Dr. Surendra Agrawal, Associate Professor, SPPSPTM has received a Capacity-building industrial training (PCI-CBIT) grant from the Pharmacy Council of India. Dr. Surendra will be undergoing one-month training at Sun Pharma Ltd, Dadra, and Nagar Haveli Plant. Pharmacy Council of India has selected 100 faculty across the country in 2021 for the mentioned grant.
- ❖ Dr. Kalyani Barve, Associate Professor, SPPSPTM received Best e-poster presentation for paper entitled “Valencene formulations for treatment of atopic dermatitis” presented at 8th International Congress of the Society for Ethnopharmacology-India (SFEC 2021), organised by Society for Ethnopharmacology- India and Bharti Vidyapeeth, Pune.
- ❖ Dr Smita Bonde delivered an invited talk in live Pharma Coalition, a learning and sharing forum on the topic “Big Learning in Pharma New Normal 2.0, on the occasion of Diamond Jubilee Celebration of the forum on 26th September 21.

- ❖ Dr.Sanjay Sharma, invited as a judge to evaluate a blog writing competition from Indore institute of pharmacy, Indore, on the occasion of world pharmacist day celebration on 25th September 2021.
- ❖ Dr Ranajit Shinde (as CO-PI) has been awarded INR 50 lakhs under the DBT BIRAC BIG Grant 2021 for the project titled “Sensing Disease with Ease Using Voice Analytics and Artificial Intelligence”.
- ❖ Dr Preeti Sangave (as CO-PI) has been awarded INR 50 lakhs under the DBT BIRAC BIG Grant 2021 for the project titled “Sensing Disease with Ease Using Voice Analytics and Artificial Intelligence”.
- ❖ Mr. Saurabh Maru delivered a talk on on "Future Trends and Start-up Prospects in Healthcare" at Webinar Series organized by ED Cell Office (Employment), Govt. of Gujrat and Training and Placement Cell, Bhagawan Mahavir University, Surat on 7th Sept 2021, for enhancement of Employability, promotion of Entrepreneurship and Start-ups.
- ❖ Mr. Saurabh Maru received an invitation from M.P. Cultural Council (Govt. of M.P.), Bhopal to perform research on the Bheel tribe and write a book on it.
- ❖ Dr. Kapil Kumar awarded a certificate for reviewing an article of the Journal “European Journal of Medicinal Chemistry, Elsevier, Impact Factor: 6.514.

Student Achievements

- ❖ SPPSPTM students, Mr. Madhav Ambati, Ms. Lakshmi Chandekar, and Ms. Uditanshi Kumar, under the mentorship of Dr. Manish Adhia, won the Final Round of the AstraZeneca's Project iDEA Challenge, which was the regional round, with competitors from Taiwan, India, and Malaysia. The final round comprised nine teams, wherein the student team of SPPSPTM was honoured as one of the top three regional winners.



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