



DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY

In this newsletter you can expect:

Research & Innovation Triumphs

Academic & Faculty Advancement

Industry Connect & Career
Readiness

Community Service & Outreach

Alumni Engagement & Support

Campus Life & Celebrations

Here's what has happened in the last months and what's to come!

We are thrilled to share the extraordinary developments and achievements of the past quarter as we continue our mission of innovation, education, and community impact.

First and foremost, we extend our sincere gratitude to our entire community—our dedicated faculty, brilliant students, and essential partners—whose commitment and hard work fuel our success. Your dedication during a period of intense activity has allowed our research and academic programs to thrive and reach new heights.

In terms of recent successes, we have experienced a monumental quarter for research output and protected innovation.

In this issue, you will read about a monumental quarter for research output and protected innovation, including a surge in intellectual property with five new patents granted and major national awards for our scholars. Furthermore, we showcase our robust industry connections and expanded efforts in community health and outreach, reinforcing our commitment to making a positive, tangible impact in the local area.

These achievements are a testament to the fact that when we work together, there is no limit to what we can accomplish. We are inspired every day by your energy and ambition, and we look forward to achieving even greater milestones together in the months ahead!

Enjoy this month's newsletter!



Dr. Ajit Dale: Innovation and Scholarship Milestones

This quarter celebrates the exceptional contributions of **Dr. Ajit Dale**, whose work has redefined the **intersection of innovation and scholarship** within our institution.

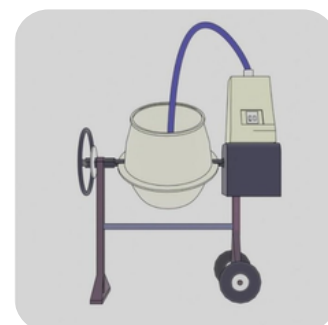
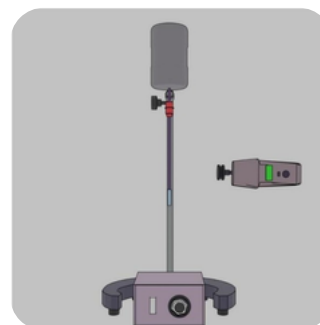


- Dr. Dale's focused research efforts culminated in the grant of an **extraordinary five new patents**, significantly expanding our intellectual property portfolio. This milestone is a powerful testament to our capability to produce **high-impact, translational research** that leads directly to valuable, protected innovations. His prolific activity included utility and application patents for *Novel Amine Conjugated Coumarin Derivatives*; *Rivastigmine Inspired Naphthol Carbamates for Acetylcholinesterase Inhibition*; *Naphthol Amine Conjugates*; *Design, Synthesis of 6-Hydroxy-1-Tetralone Amine Hybrids for Acetylcholinesterase Inhibition and Aminobenzothiazole-piperidine/piperazine hybrids as acetylcholinesterase inhibitors*.
- Further solidifying his academic legacy, Dr. Dale authored and published a new book- **"Practical Handbook cum Manual of Medicinal Chemistry III"**. This achievement ensures his deep subject expertise and novel findings are shared with and contribute to the progress of the global academic and pharmacological community.

INSTITUTIONAL & COLLABORATIVE PATENT SUCCESSES

Major Collaborative Success

Two Key UK Patents Granted In a significant victory for team-based innovation, our institution secured **two key UK Patents**, recognizing the major collaborative efforts of a large team of faculty and students. These patents highlight our commitment to developing novel, industry-relevant equipment: **a Modified Tablet Coater for Pilot Plant** and a **Modified High Speed Homogenizer with Tachometer**. This achievement was the result of teamwork by **Dr. Pravin Kondiba Pawar**, Dr. Santosh Maruti Gejage, Ms. Ankita Neminath Vibhute, Mr. Juniad Jabbar Tamboli, Ms. Nisha Anandrao Jagtap, Ms. Aishwarya Charudatt Nerlekar, Ms. Tanuja Shivaji Kadam, Mr. Rohan Sanjay Patil, Ms. Vaishnavi Nitin Kolekar, Mr. Sangram Ashok Jadhav, Mr. Prathamesh Balaso Sawant, Dr. Pankaj Ashok Jadhav, and Mr. Godfrey Rudolph Mathews.



INSTITUTIONAL & COLLABORATIVE PATENT SUCCESSES



New Utility Patents Advance Drug Synthesis

The collaborative efforts of **Dr. Suhas Suresh Awati** and **Dr. Kiran Anna Wadkar** resulted in two important utility publications in September. Their work focused on innovative methods for **synthesizing and evaluating biologically active Naproxen Conjugates and Ibuprofen Conjugates**, pushing the boundaries of pharmacological chemistry.



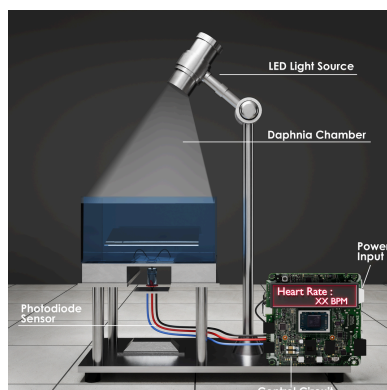
Design Patent for Chromatography Apparatus

Practical ingenuity in laboratory efficiency was recognized with a design patent for a **Laboratory Apparatus for Preparing Chromo-Plates**. This innovation, developed by **Dr. Sagar A Jadhav, Dr. Archana Vanjari, and Ms. Mayuri Y. Choundikar**, will streamline analytical processes and improve laboratory setup.



Solving Drug Delivery Challenges

Dr. Santosh M. Gejage achieved a crucial utility publication for a **Composition of Amorphous Polymer Matrices for Solubility Modulation of Poorly Water Soluble Drug**. This research is foundational, offering a robust method to significantly enhance drug delivery and improve the bioavailability of challenging pharmaceutical agents.



Aquatic Heart Rate Monitor Patented

A design patent was published for a novel Laboratory Instrument for **Real-Time Aquatic (Daphnia Magna) Heart Rate evaluation**. This specialized tool, developed by **Mr. Godfrey R. Mathews, Dr. Pranali M. Shah, Ms. Prajakta Patil, and Ms. Vaidehi Mhamane** provides critical support for environmental toxicity testing and physiological studies.



Scholarly Recognition and Awards

Our students and scholars demonstrated their academic brilliance by securing top positions in highly competitive research forums



PhD Scholar Ranks Fifth Among University's Best in Avishkar: PhD scholar **Priyadarshini Patil** earned a highly commendable fifth rank. She was presented with a medal, certificate, and a cash prize of ₹500.

Gold for Ms. Pranali Bhagate at Avishkar: Congratulations to **Ms. Pranali Bhagate** for capturing the **First Prize in the Pure Sciences category** at the prestigious University-level **Avishkar Research and Innovative Competition**, recognized with a medal, certificate, and a cash prize of ₹1,000.



National Recognition for Roshan Kamble in Computational Drug Discovery: PhD scholar **Roshan Kamble** gained national recognition, earning **Runners-up at a National Level Seminar** focused on In-Silico Molecular Docking. His work was rewarded with a medal, certificate, and a cash prize of ₹500.

M.Pharm Team Clinches Second Prize in National Article Presentation: **Prachi Patil, Sonali Mali, and Gauri Admuth** secured the **Second Prize** in a National Level Online Article Presentation Competition, earning a cash prize of ₹3,000.



State Level Achievement: A huge congratulations to diploma students **Miss Pratiksha Hanmant Jadhav** and **Miss Komal Amol Patil!** They earned a consolidated prize of **1,000/-** for their outstanding presentation at the **State Level Model Presentation Competition for D. Pharmacy Students.** Your hard work is an inspiration!

PG Students Gain Crucial Exposure: Our Postgraduate students undertook a vital academic visit to state-of-the-art facilities, including the CFC SAIF Centre and the SUK Incubation Center.

Our NSS Unit demonstrated its commitment to civic responsibility and grassroots public health through impactful outreach activities.

COMMUNITY SERVICE & OUTREACH

Comprehensive Health and Awareness Drive

Our NSS Unit celebrated NSS Day with a comprehensive outreach program in Kasbe Digraj. Volunteers organized a **vital health awareness rally, a free health checkup camp, and an educational street play**, delivering tangible health benefits and awareness to the local community.

Preserving Heritage

In a unique effort to blend social service with cultural stewardship, the NSS unit organized a **'Gad Sanvardhan' (Fort Conservation)** camp. Volunteers dedicated time and effort to preserve local historical sites, fostering a strong sense of community and responsibility towards our regional heritage.

Annual Blood Donation Camp

The NSS Unit successfully organized the annual Blood Donation Camp, which saw widespread, **enthusiastic participation from students and staff**. This selfless act contributed a significant, life-saving resource to local healthcare facilities.

Extending Care: Healthcamp at Tung

The NSS unit organized a dedicated Healthcamp at Tung, providing **essential basic health services** and crucial health information to local residents, reinforcing our active role in community wellness.

Photos from our NSS Activities





Celebrating Our Mentors on Teachers' Day

The campus community came together for a deeply meaningful and heartfelt celebration to **honor our faculty**. Students organized thoughtful tributes and specially curated programs, expressing their **profound gratitude**. The day was marked by sincere respect, recognizing our educators not just as teachers, but as the inspirational guiding forces who *ignite ambition and tirelessly nurture excellence* in every student. The celebration reaffirmed the deep bond between students and mentors, underscoring the *collaborative spirit that defines our academic home*. Every faculty member was acknowledged for their role in turning career aspirations into tangible success stories.



Leadership Recognized

We proudly recognized faculty members stepping into key mentoring roles. **Dr. Ajit V. Dale** and **Dr. Sagar A. Jadhav** achieved formal *PhD guidanship*, while **Mr. Gajanan S. Patil** were honored for their new *PG guidanship* appointments. These roles are crucial for supervising and nurturing the next generation of researchers.



Global Acclaim

We celebrate a remarkable professional milestone: **Dr. Gejege** secured admission to the highly selective course on **Patent Law and Global Public Health**, offered collaboratively by the *World Intellectual Property Organization (WIPO) and Harvard University*. This invaluable opportunity will enrich our campus with a global perspective on IP and public health policy.



FDP Focuses on Future Trends

The **Department of Pharmaceutics** successfully concluded an intensive Faculty Development Program (FDP) on *"Cutting Edge Research in Pharmaceutics, Nanotechnology and Regulatory Science."* This specialized training ensures our faculty remains current, guaranteeing that the education we provide is highly relevant and forward-looking.



Alumni Engagement & Support

Our alumni network remains an invaluable asset, actively contributing to student readiness and the institution's future.

Alumna Shares Practical Expertise on Quality Control: We were delighted to welcome back alumna **Ms. Sayali Bhosale**, who shared practical, industry-insider expertise in her lecture on "**Pharmaceutical Quality Control & Analytical Techniques.**" Her guidance on maintaining quality standards is invaluable for students preparing for manufacturing roles.

Alumni Committee Establishes Formal Mentoring System: The Alumni Committee Meeting successfully convened to strategically plan **future events and, critically, to finalize the establishment of a robust, formal mentoring system for new alumni.** This initiative ensures our graduates have continuous support as they transition into the professional world.

Industry Connect & Career Readiness

Career Pathways in Clinical Research and BA/BE Studies:

Students received valuable career guidance from **Mr. Abhay Patkar**, who delivered an insightful guest lecture on the rewarding opportunities in Clinical Research and Bioavailability/ Bioequivalence (BA/BE) studies, highlighting **essential roles in drug development.**

Preparing for Success:

Dr. Vijaykumar Chakote conducted a crucial GPAT guidance lecture for our S Y B.Pharm. students. The session provided **strategic preparation tips and subject overviews**, giving students a significant head start in planning for competitive postgraduate admissions.

Navigating Careers in Pharmacovigilance:

Mr. Sandeep Biradar provided specialized career advice on the high-demand field of **Pharmacovigilance (PV)**. His lecture emphasized the crucial function of monitoring drug safety and the numerous career avenues in this rapidly growing sector.



Industry Connect & Career Readiness

Essential Digital Safety: Cybercrime Awareness Session:

A critical awareness session on Cybercrime was held for students, led by specialist **Mr. Prashant Jaradikar**. The lecture focused on digital security best practices, recognizing online fraud, and the legal implications of cyber incidents, preparing our community to navigate the modern digital world safely. The lecture focused on far more than just personal security; it emphasized the vital role of **cybersecurity in protecting sensitive patient data and intellectual property within the modern pharmaceutical industry**. Students were trained on digital security best practices, recognizing online fraud, and understanding the severe legal and ethical implications of cyber incidents, preparing them to be responsible digital professionals.

Choice Over Cravings: Building a Life Beyond Drugs and Alcohol

Students benefited from a crucial guest lecture by Ms. Mayakka Mahanavar focusing on social responsibility and well-being. The powerful session, titled "Choice Over Cravings: Building a Life Beyond Drugs and Alcohol," provided students with vital resources and **motivational strategies for leading a healthy, drug-free life** and supporting peers.

Unmasking Hidden Impurities: The Power of Degradation Studies

Ms. Sayali Bhosale returned for an expert lecture, this time focusing on critical quality control science. Her session, titled "Unmasking hidden impurities: the power of degradation studies," offered specialized, practical insight into advanced analytical methods for ensuring drug stability and safety throughout the **product lifecycle**.

Official Launch of The Monthly Pulse Newsletter

A significant institutional milestone was achieved with the formal Launching of our newsletter, "**The Monthly Pulse.**" The inaugural issue was unveiled by **Prof. D. D. Chougule and Dr. Pankaj Jadhav**, marking a new, regular platform for sharing our community's stories and successes.



Celebrating the Profession: Pharmacist Day:

We celebrated Pharmacist Day with great energy under the empowering theme: "**Think Health, Think Pharmacist.**" The event highlighted the crucial and expanding role of pharmacists as accessible experts in public health and patient care.



Vibrant Cultural Connection: Navaratri Celebration

The campus spirit was enriched by cultural events, including a vibrant Navaratri celebration that brought students and staff together for traditional festivities, fostering a strong sense of community and cultural pride.



Fostering Creativity: Poster and Essay Competitions

Academic engagement extended beyond the classroom with successful Poster and Essay competitions, encouraging students to hone their critical thinking, research communication, and creative expression skills.

CAMPUS LIFE & CELEBRATIONS

Scholarly Output and Dissemination

Khandagale, P., Jadhav, V., Pattanshetti, A., Mane-Gavade, S., & **Patil, Sandeep**. (2025). Carbon dots from banyan aerial roots: A low-cost platform for dual optical sensing of doxorubicin and Fe³⁺ in pharmaceutical formulations. *Microchemical Journal*, 219, 115873. <https://doi.org/10.1016/j.microc.2025.115873>

Pawar PK, Nerlekar A, Jagtap N, Vibhute A. The progress, prospect and explorations of polymeric nanoparticles for the treatment of ophthalmic complications. *Polim Med*. [doi:10.17219/pim/200146](https://doi.org/10.17219/pim/200146)



INDIA AND GLOBAL PHARMA FRONTIER!!

Eli Lilly's Mounjaro Becomes India's Top-Selling Drug by Value in October:

<https://economictimes.indiatimes.com/industry/healthcare/obesity-drug-mounjaro-becomes-indias-top-selling-drug-by-value/articleshow/125151235.cms>

New Launches and R&D Pipeline Bolster Sun Pharma's Long-Term Growth Outlook:

<https://m.economictimes.com/markets/stocks/earnings/new-launches-and-rd-pipeline-bolster-sun-pharmas-long-term-growth-outlook/articleshow/125211872.cms>

India's \$21 Billion API Boom: 3 'Hidden' Pharma Stocks with Solid Growth Potential:

<https://www.financialexpress.com/market/stock-insights/indias-21-billion-api-boom-3-hidden-pharma-stocks-to-watch/4033025/>

Pfizer Clinches \$10 Billion Deal for Obesity Drug Developer Metsera, Winning Bidding War Against Novo Nordisk:

<https://timesofindia.indiatimes.com/business/international-business/pharma-takeover-pfizer-set-to-acquire-metsera-in-10-bn-deal/articleshow/125185316.cms>

Government Secures Additional PERT Supply Until the End of 2025 to Alleviate Shortages:

<https://pharmaceutical-journal.com/article/news/government-secures-additional-pert-supply-until-the-end-of-2025>

ABPI Calls for Urgent Budget Action to Revive UK Life Sciences Investment and Reverse Decline:

<https://www.abpi.org.uk/media/news/2025/november/abpi-calls-for-budget-action-to-revive-uk-life-sciences-investment/>

This is our little spot to de-stress, learn something new, and get to know each other.

THE RX CORNER



Did you know that the lungs' surface area is as large as a tennis court when unfolded?

Did you know that humans are genetically similar to bananas and slugs, sharing up to 70% of their DNA with them?



MAGIC
words
THANK
YOU
I'M
SORRY
PARDON
ME
YOU'RE
WELCOME
EXCUSE
ME

OCKULY, MARTA. (2019). REIMAGINING THE WAY THE LIVED EXPERIENCE OF CREATIVITY IS DEFINED, INSPIRED, AND ENCOURAGED IN THE 21 ST CENTURY: A CREATIVITY PRACTITIONER/EDUCATOR'S HEURISTIC INQUIRY.