Editor in Chief: Dr. Chandrakant Bonde

Editor: Ms. Hemangi Rathod

It gives us immense pleasure to present this edition of the SSR College of Pharmacy newsletter — a reflection of the vibrant academic, research, and co-curricular activities that continue to shape our institution.

At SSR College of Pharmacy, we are committed to fostering innovation, critical thinking, and ethical responsibility in the field of pharmaceutical sciences. This issue highlights some of the recent achievements of our students and faculty, academic collaborations, seminars, workshops, and community outreach initiatives that continue to inspire growth and excellence.

Our college remains dedicated to nurturing future pharmacists who are not only skilled and knowledgeable but also socially responsible contributors to healthcare. We applaud the consistent efforts of our students, faculty members, and alumni who make SSR College of Pharmacy a hub of academic brilliance.

We hope this edition serves as a source of pride, motivation, and information for our readers. We look forward to your continued support and contributions in making each edition more engaging and impactful.

Warm regards,

EDITORIAL BOARD

- Dr. Smita Bonde

- Dr. Sonal Desai

- Dr. Himanshu Solanki

- Dr. Parixit Prajapari

- Mr. Vipul Prajapati

- Ms. Lata Manani

- Ms. Priya Shukla

71th Liberation Day of Dadra and Nagar Haveli

On the auspicious occasion of the 71th Liberation Day of Dadra and Nagar Haveli, SSR College of Pharmacy organized a Warli painting competition. This event was held on the 1st of August, 2025, to celebrate and honour the rich cultural heritage of the region Warli painting, a cherished art form indigenous to Dadra and Nagar Haveli, served as a perfect medium to commemorate the history and traditions of the land.

Dr. Sarika Patel in charge Principal of SSR College of Education was invited to serve as the evaluator for the competition. The competition saw enthusiastic participation from 28 students, showcasing their creativity and connection to the cultural roots.

The first prize was awarded to **Tanvi Yogesh Pardeshi**, a student of Third Year B.Pharm from SSR College of Pharmacy. The second prize was jointly secured by **Patel Hitenbhai Pravinbhai** from Final Year B.Pharm, SSR College of Pharmacy, and **Taral Vinod Raut** from Third Year B.Com, SSR College of Arts, Commerce and Science. The third prize was shared by **Snehi Rajesh Bhandari** from Third Year B.Pharm, SSR College of Pharmacy, and **Sadhna Chaudhary** from Second Year MBA, SSR College of IMR. All the winners were congratulated for their outstanding creativity and contribution to the event. The winners were awarded certificates of recognition for their remarkable contributions.

This event not only highlighted the importance of preserving and promoting local art forms but also provided a platform for young artists to display their skills and celebrate the legacy of Dadra and Nagar Haveli.

Celebration of Anti-ragging Week from 11 August to 18 August.

The Anti-Ragging Week was celebrated at SSR College of Pharmacy on **11th August 2025** with the objective of spreading awareness among students about the harmful effects of ragging and promoting a safe and inclusive campus environment.

Winners of the Poster Competition:

- First Prize: Tejal Patil
- Second Prize: Jainik Baria
- Third Prize: Tanvi Prajapati

Winners of the Slogan Competition:

- First Prize: Ansari Kaukshnaj
- Second Prize: Sanket Saru
- Third Prize: Vaishnavi Gupta

The program commenced with a brief introduction and orientation session on Anti-Ragging Week, delivered by Ms. Jenifer Laurence, highlighting the legal implications, preventive measures, and the institution's strict zero-tolerance policy towards ragging. This was followed by the screening of a short documentary, aimed at sensitizing students and helping them understand the real-life impact of ragging on victims. After the orientation, the Poster Competition and Slogan Competition were conducted to encourage students to creatively express their thoughts and ideas against ragging. The competitions were judged by Mr. Nishit Parekh and Ms. Jenifer Laurence.

The event witnessed enthusiastic participation from students, reflecting their awareness and commitment to building a ragging-free campus. The program concluded with words of appreciation from the judges, who lauded the creativity and strong messages conveyed by the participants.

Overall, the celebration successfully reinforced the importance of respect, empathy, and unity among students, marking another step towards creating a safe and supportive learning environment at SSR College of Pharmacy.

One-Day Workshop on Intellectual Property Rights (IPR)

A one-day workshop on Intellectual Property Rights (IPR) was organized by the Institution's Innovation Council (IIC) of SSR College of Pharmacy, Sayli, Silvassa, on 26th August 2025. The workshop aimed to provide insights into the significance of IPR in the pharmaceutical field, familiarize students with case studies, and highlight current trends in patents and legal issues related to the industry. A total of 95 students from Final Year and Third Year B.Pharm participated in the event.

Objectives of the Workshop

To make the students aware of their rights for the protection of inventions carried out in their project work.

To provide knowledge on the process of registering inventions in India and foreign countries, and to enhance understanding of patents, copyrights, trademarks, designs, and the Information Technology Act.

The program commenced with the Inauguration & Lamp Lighting Ceremony (10:00 – 10:30 PM) by all Chairpersons. This was followed by a Welcome Address and speeches:

Dr. Chandrakant Bonde, Principal, SSR College of Pharmacy, delivered his speech highlighting the importance of IPR awareness for budding pharmacists.

Dr. Smita Bonde, President of IIC, SSR College of Pharmacy, also addressed the gathering, emphasizing innovation and entrepreneurship in the pharmacy profession. The workshop was highly interactive and enriched the knowledge of the students regarding intellectual property rights, patent filing process, and their application in Pharmaceutical science.

National Sports Day (Chess Tournament) Organized by SSR College of Pharmacy

To commemorate National Sports Day on the birth anniversary of hockey legend Major Dhyan Chand, SSR College of Pharmacy organized a one-day Chess Tournament on 29th August 2025. The event was aimed at promoting the value of sports in student life, especially those that foster critical thinking, patience, and mental resilience. National Sports Day is observed across India to honor Major Dhyan Chand's contribution to Indian sports, and the college embraced the occasion by conducting a chess tournament that highlighted the importance of mental agility alongside physical fitness.

The tournament was organized under the guidance of the college's Sports Coordinator, Mr. Mehul Rohit, who played a pivotal role in planning and executing the event smoothly. The event was inaugurated with a brief address highlighting the legacy of Major Dhyan Chand and the importance of including sports as an essential part of holistic education. Chess, as a game of strategy and intellect, was chosen to

align with the values of discipline, focus, and sportsmanship that the day stands for.

The tournament saw active participation from students across various departments and years. The event followed a knockout format, with each match drawing enthusiastic attention from peers and faculty alike. Participants demonstrated excellent strategic skills, calmness under pressure, and sportsmanlike conduct throughout the event. The college campus was filled with excitement as each round progressed toward the final match. Faculty members, students, and guests gathered to witness the intense final

round, which showcased a high level of skill and determination from the finalists. The smooth execution of the event was made possible by the dedicated efforts of Sports Club members who volunteered for various responsibilities such as registration, coordination, table setup, timekeeping, and assistance to referees.

The event concluded with a certificate distribution ceremony, where all participants were appreciated and awarded certificates for their active involvement and sportsmanship. The winners and runners-up received special recognition from the Principal, Dr. Chandrakant Bonde, who also addressed the gathering. In his speech, he emphasized the importance of integrating sports into academic life and praised the initiative of the Sports Committee for organizing such an intellectually enriching competition. He also commended the volunteers and the Sports Coordinator for their commitment and organization. The Chess Tournament not only encouraged competitive spirit but also strengthened the bonds among students from different academic backgrounds. It served as a perfect reminder of the importance of sports and mental exercises in developing leadership, patience, and decision-making abilities among youth. Overall, the event was a great success, leaving a positive impact on students and staff alike. It truly reflected the spirit of National Sports Day and paid a meaningful tribute to Major Dhyan Chand through the lens of strategic gameplay and community engagement.

Teacher's Day Celebration 2025

Teachers' Day was celebrated with great enthusiasm at SSR College of Pharmacy, Sayli, on 5th September 2025. The program was organized to honor and appreciate the invaluable contributions of teachers in shaping the future of students. The celebration was graced by the presence of our respected Principal, Dr. Chandrakant Bonde, faculty members, and students from various years.

The event began with a warm welcome extended to all dignitaries, faculty members, and students. To mark the auspicious beginning, the traditional lamp lighting ceremony was conducted by Principal Dr. Chandrakant Bonde and dignitaries, symbolizing the spreading of knowledge and wisdom. The Faculties then enjoyed a series of games conducted by the organizing committee. Students from third year presented a power-packed group dance. The celebration continued with a graceful solo dance by final year student Drashti Tandel, a melodious singing performance by Emmanuel, and finally a nostalgic and energetic group dance by final year students.

A short note was presented on the significance of the day, commemorating the birth anniversary of Dr. Sarvepalli Radhakrishnan, who emphasized that teaching is not merely the imparting of and joy among all present. Gifts

were then distributed to the teachers as a token of appreciation and gratitude.

The program concluded with a heartfelt Vote of Thanks delivered by Mrs. Avni Desai, who expressed gratitude to the Principal, faculty, organizing committee, and students for making the celebration a grand success.

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Information, Education, and Communication (IEC) Campaign

The Department of Health and Family Welfare, in collaboration with the State AIDS Control Society, UT of Dadra & Nagar Haveli and Daman & Diu, successfully conducted an Intensified IEC (Information, Education, and Communication) Campaign at SSR College of Pharmacy on 10th September 2025.

The campaign aimed to spread awareness regarding HIV/AIDS, its prevention, and the importance of community participation in eradicating stigma associated with the disease. Through interactive discussions and awareness sessions, the program emphasized health education as a key tool for ensuring safe practices and informed decision-making among youth.

The session was conducted by **Miss Rajpriya Patel**, who highlighted the following key points: · Understanding HIV/AIDS and its modes of transmission.

· Availability of treatment facilities and counseling services.

· Role of students and community members in reducing stigma and supporting affected individuals.

The campaign also included student participation, poster displays, and distribution of educational materials. Students actively engaged in the session and showcased their awareness efforts through various activities. Certificates of appreciation were awarded to participants as recognition of their contribution.

Guest lecture on HPLC Trouble Shooting

The institute organized a guest lecture on "HPLC Troubleshooting" on 15th September 2025. The session was delivered by Shri Dhananjay Patil, Senior Research Associate at Spincotech Limited, Vapi,Valsad. The lecture aimed to enhance the knowledge of participants regarding common operational issues in High-Performance Liquid Chromatography (HPLC), their root causes, and practical strategies to resolve them. Shri Dhananjay Patil shared his rich industrial experience, focusing on real-time case studies and problem-solving approaches.

Key highlights of the lecture included:

Identification and diagnosis of common HPLC problems (baseline noise, peak tailing, pressure fluctuations, ghost peaks, changes in retention time). Preventive measures to minimize instrument downtime, the Importance of column care, mobile phase preparation, and instrument maintenance.

Hands-on troubleshooting strategies are useful in both research and laboratories.

A total of 70 students and 06 faculty members attended the lecture. The session was highly interactive, with participants actively engaging in question-and-answer discussions. The knowledge shared was practical, insightful, and directly applicable to laboratory practices. The lecture was well appreciated by faculty, research scholars, and students. The session concluded with a vote of thanks by Dr Sonal Desai-Professor, Department of Quality Assurance, acknowledging Shri Dhananjay Patil's valuable contribution and his willingness to share expertise with the academic fraternity.

Hindi Diwas Celebration – 2025

Hindi Diwas is celebrated every year on **14th September** to commemorate the adoption of Hindi as one of the official languages of India. At SSR College of Pharmacy, Hindi Diwas was celebrated on **17th September 2025** with the objective of highlighting the importance of Hindi in our culture, promoting its use among students, and encouraging them to appreciate its literary richness.

This year's celebration aimed to blend cultural, educational, and creative aspects of the language. The event witnessed *active participation from students alike*, showcasing the collective enthusiasm and dedication towards honoring our national language.

The event was thoughtfully designed and carried out in two phases – formal ceremonies, competitions, and lecture sessions in the **Library**, followed by a cultural performance in front of the **Pharmacy Building**.

Competition Results

Poetry Competition

First Prize: *Sachi Pawar* (Final Year B. Pharm)
Second Prize: *Khan Mohommad* (Final Year B. Pharm)
Third Prize: *Omkar Sarak* (Final Year B. Pharm) & *Pragya Yadav* (Third Year B. Pharm)

Elocution Competition

First Prize: *Krishna Upadhyay* (Final Year B. Pharm)
Second Prize: *Mansi Patel* (Third Year B. Pharm)
Third Prize: *Yash Karale* (Third Year B. Pharm)

The Hindi Diwas Celebration 2025 was a grand success, filled with energy, enthusiasm, and meaningful participation. The day highlighted the cultural significance of Hindi while fostering literary and oratory skills among students. The combination of formal events, competitions, and a cultural skit created a holistic celebration that inspired everyone to represent and promote Hindi as an integral part of India identity.

World Pharmacist Day

SSR College of Pharmacy marked World Pharmacist Day on 25th September 2025 with great enthusiasm and purpose, embracing this year's theme: "Pharmacists: Think Health, Think Pharmacist. The day-long celebration featured a series of thoughtfully curated events aimed at underscoring the indispensable role of pharmacists in modern healthcare and fostering greater public awareness about their contribution. .

✨Highlights of the Day:

- Health Check-up Camp – Promoting preventive care among students and staff
- Pharma Awareness Rally & Skit – Spreading the message through impactful street performances
- Quiz Competition – Showcasing the academic prowess of budding pharmacists
- Elocution – Encouraging thought leadership and public speaking on key healthcare topics
- Poster Presentation – Visual expression of innovative pharmaceutical ideas
- Prize Distribution Ceremony – Recognizing talent, effort, and excellence.

👏 The celebration witnessed enthusiastic participation from students, faculty, and guests, truly reflecting the spirit of the pharmacy profession. Events like these not only educate and inspire but also reaffirm our shared commitment to global health and community well-being. A heartfelt thanks to Dr. Chandrakant Bonde, principal of SSR College of Pharmacy, Dr. Parixit Prajapati, overall coordinator of World Pharmacist Day, Gujarat State Pharmacy Council for financial support, all activity coordinators, faculty participants, and supporters for making this day memorable!

Two-day Workshop on Isolation and Extraction of Phytochemicals

The 2-Day Workshop on Extraction and Isolation of Phytochemicals was held on 22nd and 23rd September 2025 at Calves and Leaves Initiatives Pvt. Ltd., Vapi, Gujarat, in association with Shri B. V. Patel Education Trust, Ahmedabad and SSR College of Pharmacy, Silvassa, UT of Dadra & Nagar Haveli. The workshop was conducted by Dr. K. S. Laddha (Ex. Professor of Pharmacognosy, ICT, Mumbai)

The program was designed with the objective of providing participants with both theoretical knowledge and practical exposure to the extraction, isolation, and analysis of phytochemicals. It aimed to train faculty, researchers, and industry professionals in modern phytochemical techniques while strengthening the connection between traditional medicinal plant knowledge and its industrial applications in herbal, ayurvedic, and nutraceutical sciences.

Key Highlights

Live demonstration of pulverization, extraction, and isolation techniques of medicinal plants. Industry-oriented discussions linking research to commercialization.

Hands-on learning sessions guided by Dr. K. S. Laddha.

Interaction with experts from Calves N Leaves Initiatives Pvt. Ltd. and academic institutions.

Garba Celebration

The vibrant festival of Navratri was celebrated with great enthusiasm and joy at the SSR College campus on 27 th September 2025. The event was a collaborative effort among all institutions under the SSR umbrella, including SSR College of Education, SSR Institute of Management, SSR College of Arts, Commerce and Science, and SSR College of Pharmacy. The program commenced at 03:30 pm with the traditional Mataji Aarti, where students, staff, and faculty members from all constituent colleges of the campus participated with devotion. The event not only celebrated the cultural essence of Navratri but also fostered unity and collaboration among the various institutions. It was a perfect blend of tradition, talent, and togetherness. The Navratri celebration was a grand success, fostering togetherness and festive spirit among all colleges of the SSR family.

Skill Development Program

Under the aegis of IQAC, SSR College of Pharmacy, Silvassa has initiated a skill development drive by engaging students in real-time projects.

As a part of this initiative, students from SSR College of Pharmacy, Sayli, Silvassa, visited the Microbiology Laboratory at Namo Medical College under the supervision of Ms. Lata M. Manani.

With the expert guidance of Dr. Narayan Kamath and Dr. Mustafa Vohra, students received hands-on training and acquired essential skills through participation in a real-time project, including:

- ✅ Sample collection and RNA extraction
- ✅ RNA quantification and quality check
- ✅ cDNA synthesis via reverse transcription
- ✅ Real-Time PCR (qPCR) setup and thermal cycling
- ✅ Melting curve analysis using SYBR Green
- ✅ Data analysis and interpretation

Students also gained practical experience in nucleic acid isolation using both magnetic bead-based and silica column-based methods—enhancing their laboratory confidence and technical competence. Thanks to Dr. Chandrakant Bonde, Principal and Vipul Prajapati IQAC Co-coordinator for providing platform for this training. A heartfelt thank you to Dr. Narayan Kamath and Dr. Mustafa Vohra for providing this enriching, skill-based learning experience.

Publications and Awards

SSR COLLEGE OF PHARMACY, SILVASSA

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(NBA Accredited for B.Pharm Program 2019-2025)

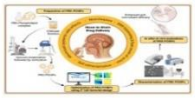
Congratulations

Dr. Smita Bonde

For publication research article entitled"Nose-to-Brain Targeting of Pregabalin via Phospholipid Complex Nanoparticles for Facilitated Epilepsy Therapy: Design, Optimization and In vitro-In vivo Evaluations" in "Colloids and Surfaces A: Physicochemical and Engineering Aspects , Impact Factor: 5.4"

Colloids and Surfaces A: Physicochemical and Engineering Aspects

Nose-to-brain targeting of pregabalin *via* phospholipid complex nanoparticles for facilitated epilepsy therapy: Design, optimization and *in vitro-in vivo* evaluations



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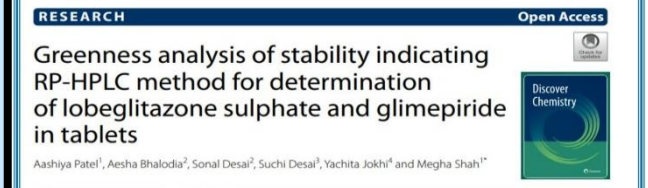
Congratulations

Dr. Sonal Desai — Ms. Aesha Bhalodia

Congratulations to Ms. Aesha Bhalodia, student of Second Year M. Pharm.-QA and Dr. Sonal Desai, Professor- Department of QA, for publishing Research article entitled " Greenness analysis of stability indicating RP-HPLC method for determination of lobeglitazone sulphate and glimepiride in tablets " in Springer Nature Journal 'Discover Chemistry'., Volume 2, 2025:2025.

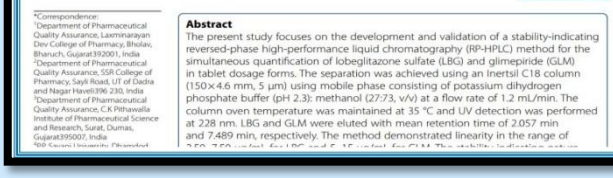


RESEARCH — Open Access

Greenness analysis of stability indicating RP-HPLC method for determination of lobeglitazone sulphate and glimepiride in tablets

Discover Chemistry

Aashiya Patel[1], Aesha Bhalodia[2], Sonal Desai[2], Suchi Desai[3], Yachita Jokhi[4] and Megha Shah[1*]



Abstract
The present study focuses on the development and validation of a stability-indicating reversed-phase high-performance liquid chromatography (RP-HPLC) method for the simultaneous quantification of lobeglitazone sulfate (LBG) and glimepiride (GLM) in tablet dosage forms. The separation was achieved using an Inertsil C18 column (150×4.6 mm, 5 µm) using mobile phase consisting of potassium dihydrogen phosphate buffer (pH 2.3): methanol (27:73, v/v) at a flow rate of 1.2 mL/min. The column oven temperature was maintained at 35 °C and UV detection was performed at 228 nm. LBG and GLM were eluted with mean retention time of 2.057 min and 7.489 min, respectively. The method demonstrated linearity in the range of

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Congratulations

Dr. Chandani Chandarana

For publication of review article entitled "Recent Advances in Bioink Research for Biomedical Applications" in Biomedical Materials & Devices (Scopus)

Biomedical Materials & Devices
https://doi.org/10.1007/s44174-025-00478-z

REVIEW — SPRINGER NATURE

Biomedical Materials & Devices

Recent Advances in Bioink Research for Biomedical Applications

Chandni Chandarana[1] · Dhwani Sane[1] · Shivam Mishra[1] · Astitva chaubey[1] · Uditraj Gohil[1] · Bhupendra Prajapati[2,3,4]

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Abstract
Three-dimensional (3D) bioprinting has rapidly advanced as a pivotal technology in biomedical sciences, offering the ability to fabricate functional tissues and organ-like constructs through layer-by-layer deposition of bioinks. Bioinks complex formulations consisting of living cells, biomaterials, and bioactive agents are the cornerstone of successful bioprinting outcomes. This review provides an in-depth analysis of current developments in bioink composition, including natural, synthetic, hybrid, and composite systems. Key properties such as biocompatibility, printability, mechanical strength, and controlled degradability are critically discussed. The paper also explores the integration of nanomaterials and growth factors into bioinks, enabling enhanced structural fidelity, cell viability, and tissue functionality. Notably, the emergence of stimuli-responsive and patient-specific bioinks is expanding the frontiers of personalized medicine and regenerative therapies. Applications in cardiovascular, bone, dental, and skin tissue engineering, along with novel uses in biosensors, wound healing, and organ-on-a-chip technologies, highlight the versatility of next-generation bioinks. Additionally, advancements in bioprinting methods such as extrusion, inkjet, laser-assisted, and stereolithography are discussed in relation to bioink compatibility. Overall, the field continues to evolve with interdisciplinary innovations, establishing bioinks as integral components in the future of clinical translation and biomedical engineering.

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Congratulations

Ms. Himani Dange

For Winning "2nd Prize " in the conference "The future of Pharmaceutical drug and development : Trends , Challenges and opportunities at LJK University, Ahemdabad

Artificial Intelligence Enhanced CRISPR Based Epigenomic Editing: A Brighter Future in Precision Medicine

Registration No: LJPiCON_037
Himani Dange,Chandrakant Bonde, Smita Bonde, Parixit Prajapati
Department of Pharmaceutical Chemistry
Poster No: PTECH50

ABSTRACT

INTRODUCTION

CRISPR Technology:
The CRISPR-Cas system acts as a "molecular scissor" that can edit genes with high precision. Unlike traditional gene-editing methods, CRISPR is faster, cheaper, and more accurate.
Epigenomic Editing:
Utilizes CRISPR tools (dCas9) to modulate gene expression by altering epigenetic states (DNA methylation, histone modifications), enabling reversible and safer interventions.
Artificial Intelligence (AI) Integration:
Advances CRISPR applications by predicting guide RNA efficiency, minimizing off-target effects, and improving delivery system design.
Impact on Medicine:
This integration brings us closer to **precision medicine**, where therapies are tailored to individual patients, reducing side effects and maximizing effectiveness.

OBJECTIVE
•Review AI-CRISPR integration for epigenomic editing.

Techniques Used in Predictive Models for Epigenomic Modulation