



**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





## Wild life Week Celebration

The **Wildlife Week Celebration 2025–26** was organized by **SSR College of Education, Silvassa** from **2nd October 2025 to 8th October 2025** under the subject **204(6) – Sustainable Development and Environmental Education**. The event aimed to raise awareness about the importance of wildlife conservation, biodiversity protection, and the sustainable coexistence of humans and nature. All colleges under the **SSR Group of Institutions** were invited to participate in the intercollegiate competitions held during the week.

On **3rd October 2025**, an **Essay Writing Competition** was conducted to encourage students to express their ideas on wildlife protection and conservation. Participants presented thought-provoking essays highlighting the urgent need to safeguard endangered species and preserve ecological balance. **Ashutosh Bal** secured first prize from **SSR College of Pharmacy**, while **Christeena Baiju** secured second prize from **SSR Institute of Management & Research**. The **third prize** was awarded to **Pallabi Padhy** from the **SSR College of Arts, Commerce and Science**.

**S.Y. B.Ed., SSR College of Education**, and the **third prize** was secured by **Priyanka Patil** from **SSR College of Arts, Commerce and Science**.



The **Wildlife Week Celebration 2025–26** at **SSR College of Education, Silvassa** was a grand success. The series of events not only encouraged creativity and competitive spirit among students but also deepened their understanding of the significance of wildlife conservation. The celebration concluded on **8th October 2025** with a **prize distribution ceremony**, where all the winners were felicitated by the Principal and faculty members.



The **Quiz Competition**, held on **6th October 2025**, tested the participants' knowledge about wildlife, environmental policies, national parks, and biodiversity. The atmosphere was filled with excitement and learning as teams from different colleges competed enthusiastically. The **winning team** comprised **Mansi Purohit** and **Suraj Singh**, both from **F.Y. B.Ed., SSR College of Education**. The **runner-up position** was achieved by **Anchal Kumari** and **Ishita Advani** from **SSR College of Pharmacy**.

The final event, a **Wildlife Photography Competition**, took place on **7th October 2025**. The competition allowed students to showcase their creativity and photographic skills by capturing the beauty of nature and wildlife. The **first prize** was awarded to **Hetal Polar** from **F.Y. B.Ed., SSR College of Education**. The **second prize** went to **Swati Kumari** from



The program served as an inspiring platform to promote environmental awareness and instill a sense of responsibility towards preserving our planet's rich natural heritage among future educators.





## Master of Pharmacy Dissertation Completion

The **SSR College of Pharmacy, Silvassa**, proudly announces the successful completion of **M.Pharm dissertation work by 18 postgraduate students (Batch 2023–2025)** across four specialized departments — **Pharmaceutics, Pharmacology, Pharmacognosy, and Quality Assurance (QA)**.

The dissertation presentations were organized department-wise on **13th, 16th, and 17th October 2025**, under the guidance of the respective faculty members. The event marked an important academic milestone, showcasing the students' dedication, research capability, and contribution to pharmaceutical sciences.

### □ Department-wise Summary:

- **Pharmacology Department:**

Student presented their dissertation on **13th October 2025**, evaluated by **Dr. K. L. Gupta**, Professor, Department of Pharmacology, L. M. College of Pharmacy, Ahmedabad.



- **Pharmacognosy Department:**

Student presented on **16th October 2025**, evaluated by **Dr. C. V. Panchal**, Associate Professor, Department of Pharmacognosy, Shree Dhanvantary Pharmacy College, Kim.

- **Pharmaceutics Department:**

Students presented their dissertations on **13th and 17th October 2025**. The evaluation was conducted by **Dr. Mayank Sharma**, Associate Professor, Parul Institute of Pharmacy, Parul University, Vadodara, and **Dr. Pranav Shah**, Associate Professor, Sigma Institute of Pharmacy, Vadodara.



- **Pharmaceutical Quality Assurance Department:**

Students presented their dissertation work on **17th October 2025**, evaluated by **Dr. Atul Shirledhedkar**, Associate Professor, R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, and **Dr. R. C. Patel**, Associate Professor, R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur.



Each student presented their research findings through detailed PowerPoint presentations and interactive Q&A sessions. The **external examiners** appreciated the quality of work, innovative approaches, and the scientific relevance of the research projects undertaken by the students.

The sessions were held in the college seminar hall in the presence of the **Principal, Dr. [Principal's Name]**, along with **Heads of the respective departments and research guides**. The Principal congratulated all students and faculty members for their consistent efforts and encouraged them to continue contributing to pharmaceutical innovation and academic excellence.

The **Management and Faculty of SSR College of Pharmacy** extend their heartfelt congratulations to all **18 M.Pharm students** for the successful completion of their dissertation work and wish them continued success in their professional and research careers.



## Diwali Celebration

The Diwali Celebration at SSR College of Pharmacy, Silvassa, was held on 18<sup>th</sup> of October with great enthusiasm and devotion. The event aimed to promote cultural unity, spiritual well-being, and a sense of togetherness among staff members, peons and helpers.



The celebration began with the Dhanvantri Idol Pooja, where the faculty and students gathered to offer prayers to Lord Dhanvantri, the divine physician and symbol of health and healing. The pooja created a serene and spiritual atmosphere, filling the college with positive energy and devotion. Following the pooja, the campus was beautifully decorated with colorful Rangoli, reflecting creativity, tradition, and the festive spirit of Diwali. Earthen Diya's were lit up across the college premises, illuminating the surroundings with warmth and joy, symbolizing the victory of light over darkness and knowledge over ignorance.



At the end of the celebration, prasad was distributed among all faculty and staff members, marking the auspicious conclusion of the event. The distribution of prasad strengthened the sense of unity, gratitude, and sharing among everyone present. The celebration brought together the entire SSR College of Pharmacy family, fostering joy, devotion, and cultural appreciation. It served as a reminder of the importance of tradition and spirituality in our professional and personal lives.

The Diwali Celebration at SSR College of Pharmacy was indeed a memorable occasion that spread happiness, positivity, and festive cheer among all.

## Academic Achievement Report

### Outstanding Performance in University Examinations

SSR College of Pharmacy proudly announces the remarkable achievement of our students from **B. Pharm I, II, III, and IV Year**, have successfully promoted to next semester by passing their **External University Examinations** with **100% results**.

A total of **258 students** achieved this milestone:

- **61 students** from **First Year B. Pharm**
- **63 students** from **Second Year B. Pharm**
- **71 students** from **Third Year B. Pharm**
- **63 students** from **Final Year B. Pharm**

This exceptional performance reflects the **dedication, hard work, and academic excellence** of our students, as well as the **continuous guidance and support** provided by our esteemed faculty members. The consistent 100% result across all four years stands as a testament to the college's commitment toward maintaining **high standards of pharmaceutical education**.

The **Management, Principal, and Staff Members** extend their **heartfelt congratulations** to all the students for their outstanding success and wish them continued growth and excellence in their future professional endeavors.

**SSR College of Pharmacy** continues to inspire and empower its students to achieve new milestones in **academics, research, and innovation** in the field of pharmacy.

**Congratulations to all our bright achievers!** 🎓🌟





## Achievement in NPTEL Online Certification

SSR College of Pharmacy takes immense pride in congratulating its students for their **outstanding performance** in the **NPTEL Online Certification Courses** conducted by the **IITs under the Ministry of Education, Government of India** during the **July–December 2025 session**.

- 🎓 **Mr. Devendra Singh** has been awarded the **Elite + Silver Certificate** for successfully completing the course *“Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs/New Drug (Version 3.0)”* (Course ID: noc25-ge61).
- 🎓 **Ms. Hiral** has been awarded the **Elite + Silver Certificate** for her excellent performance in the course *“Patent Drafting for Beginners”* (Course ID: noc25-hs117).
- 🏆 **Ms. Maitri, Mr. Harshal, Mr. Sandeep, and Ms. Ratna** have achieved **Elite + Gold Certificates** in the NPTEL course *“Artificial Intelligence in Drug Discovery and Development”* (Course ID: noc25-ch96).
- 🏆 **Ms. Priya, Mr. Suraj, Ms. Nerkita, Mr. Alkesh, Ms. Himani, Ms. Ratna, Ms. Kavyasri, and Ms. Kadambari** have earned **Elite + Silver Certificates** in the same course *“Artificial Intelligence in Drug Discovery and Development”* (Course ID: noc25-ch96).

These accomplishments reflect the **dedication, perseverance, and commitment to excellence** demonstrated by our students in advancing their knowledge through national-level learning platforms.

The **Management, Principal, and Faculty Members** of SSR College of Pharmacy extend their **heartiest congratulations** to all achievers for bringing laurels to the institution and wish them continued success in their future academic and professional endeavors.

**SSR College of Pharmacy** remains steadfast in motivating and guiding students to pursue excellence in academics, research, and professional development through initiatives like **NPTEL**.

**Congratulations once again to all our achievers! ✨**

## Report on Staff training session on Animal care

The Department of Pharmacology, SSR College of Pharmacy, conducted a *Staff Training Session on Animal Care* on **November 11, 2025**, at the Animal House, New Pharmacy Building.



The session was organized to educate and train the peons and ground staff on proper laboratory hygiene and animal care practices. The program was divided into three segments —



1. **Presentation on Fumigation and Laboratory Cleanliness-** presented by Ms Ratna Yadav and Ms Smrithipillai, M Pharm Students.





2. **Demonstration of Proper Animal Handling Techniques-** demonstrated by Ms Vaishnavi Bhasme and Ms Kruti Tandel.
3. **Importance of Cage and Environmental Cleaning-** Demonstrated by Ms Bharati Wagh and Ms Gunjan Patil.

The presentations and demonstrations were effectively conducted by the M.Pharm students under the guidance of Ms. Jenifer, Department of Pharmacology. The participants actively engaged and showed great interest throughout the session.

The program concluded with Ms. Jenifer extending heartfelt thanks to all the participants for their cooperation and enthusiasm, marking the successful completion of the training session.

## Workshop on Problem-solving and Ideation

The **Problem Solving and Ideation Workshop 2025** was organized by the Institution's Innovation Council (IIC) of SSR College of Pharmacy, Sayli, Silvassa, on **15 November 2025**. The workshop aimed to enable participants to identify real-world academic or healthcare challenges and transform them into feasible, practical, and research-oriented solutions using structured ideation techniques. A total of 50 M.Pharm students from the first and second years participated in the event.

### Objectives of the Workshop

- To enhance analytical and creative thinking abilities among students
- To introduce structured problem-solving and ideation methodologies
- To encourage students to look at problems as opportunities
- To guide participants on generating innovative, research-based solutions
- To promote teamwork, brainstorming, and presentation skills

### Session Highlights

#### Session 1: Preface & Introduction



*Speaker: Ms. Lata M. Manani (Assistant Professor & HOD)*

The session emphasized the importance of proper problem definition and the role of creativity in research and pharmaceutical practice.

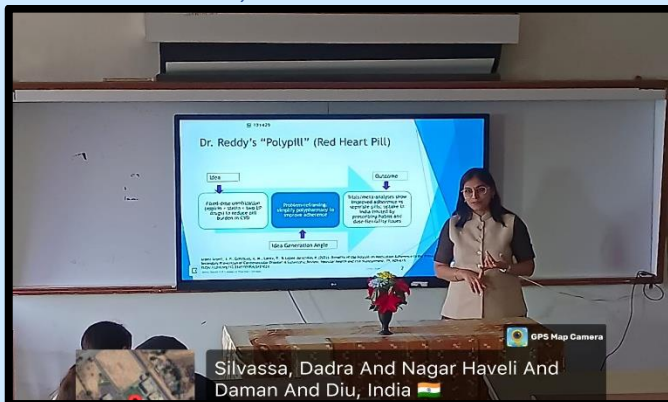
#### Session 2: Idea Generation



*Speaker: Dr. Sonal Desai (Professor & HOD)*

Students learned brainstorming rules, creative strategies, and how to go beyond conventional thinking to develop impactful ideas.

#### Session 3: Case Study Discussion



Silvassa, Dadra And Nagar Haveli And  
Daman And Diu, India





*Speaker: Dr. Smita Bonde (Professor & HOD)*

Practical pharmacy-related scenarios were discussed to help students connect theory with real-time decision-making.

#### *Session 4: Group Discussion & Idea Development*



Students worked collaboratively using tools like **Mind-Mapping, SCAMPER, and Feasibility Analysis** to strengthen their proposed solutions.

#### *Session 5: Idea Presentation*

Each group showcased their innovative concepts and received valuable feedback, highlighting originality and a strong problem-solving approach.

#### Student Participation & Outcomes

- Students displayed excellent **teamwork, analytical thinking, and creativity**
- Several ideas showed strong potential for **research proposals and innovation projects**
- Participants appreciated the interactive and highly informative nature of the workshop

The **Problem Solving and Ideation Workshop – 2025** successfully achieved its mission of fostering innovation-driven learning among pharmacy students. It instilled a mindset where **challenges become opportunities** for scientific progress and social contribution.

SSR College of Pharmacy remains committed to organizing such **capacity-building and innovation-focused programs** in the future.

### **Orientation Program 2025-2026**

Two days Orientation program was organized for first-year Bachelor of Pharmacy, Diploma to Degree students, and Master of Pharmacy (All branches) students on the 17<sup>th</sup> and 18<sup>th</sup> of November 2025. The program was organized to make students familiar with study patterns and college environment. In addition to that orientation program was conducted as per guidelines given by SSRMT and UGC.



The inaugural ceremony was graced by the presence of **Chief guest Mr. Manish Upadhyaya** (AVP, Exemed Pharmaceuticals Pvt. Ltd.), **Dr. Chandrakant Bonde** (Principal). Gathering was welcomed by Dr. **Chandrakant Bonde** through welcome address. Mr. **Manish Upadhyaya** with their motivation and sparkling speech. The inaugural ceremony concluded with vote of thanks by Dr. Chandni V. Chandarana.



On 17<sup>th</sup> November 2025, session was started with **Dr. Parixit Prajapati**, Assistant Professor at Dept. of



Pharmaceutical Chemistry, on “**Academic activities of SSR college of pharmacy**”. He introduced all faculties according to the department as well as explained academic calendar and attendance requirement as per the university norms.



Then session was continued by **Mr. Ishwarchandra Parmar**, Assistant Professor at Dept. of Pharmaceutical Chemistry, on a topic “**Examination pattern at SSR.**” He gave detailed presentation on number of exams, examination pattern of “Savitribai Phule Pune University” and college. Another session was delivered by **Ms. Avni Desai**, Assistant Professor, Dept. of Pharmaceutics, SSR College of Pharmacy, on “**Placement activities of the institute.**” He presented statistics for number of students placed on campus interview and policy for the same. Next Session was covered by **Mr. Bhavini Rohit**, Assistant Professor, on “**Scholarships and Alumni Association, MOOC.**” Next session was on “**Time table, day to day work and academic achievements**” by **Ms. Priya Shukla**, Assistant Professor, Dept. of Pharmacology, SSR College of Pharmacy. He explained in detail regarding day-to-day work performed by students and time table details. Presentation of research culture at SSRCP was delivered by **Dr. Sonal Desai**, Professor at Dept. of Quality Assurance at SSR College of Pharmacy, on “**sports activity of institute.**” Another session was delivered by **Dr. Smita Bonde**, Professor, Dept. of Pharmaceutics, SSR College of Pharmacy, on “**Institute Innovation Cell.**”



On 18<sup>th</sup> November 2025, session was started with the sixth session. That was delivered by **Ms. Lata Manani**, Assistant Professor, Department of Pharmacognosy's College of Pharmacy on “**Anti-ragging.**” She assured students for no ragging in campus followed by Anti- ragging form filling by students. Seventh presentation was delivered by **Mr. Mehul Rohit**, Assistant Professor at Dept. of Pharmacology at SSR College of Pharmacy, on “**sports activity of institute.**” He explained sports activity that takes place every year in the campus. He also explained about the course of Physical Education. Next presentation was by **Ms. Varsha Agrawal** on “**Presentation on cultural activity of institute and Mentoring system.**” She gave demonstration of various co-curricular and extra-curricular activities organized at institute. Continuing the programme **Ms. Payal Kholiya** Assistant Professor at Department of Quality Assurance, SSR College of Pharmacy. Last session has been conducted by **Ms. Jenifer Ferrier** on feedback system. After completion of theory session, all admitted students were taken for library round.

To acquaint students with each other “know your classmate” activity was undertaken by **Mr. Nishit Parekh**, Assistant Professor at department of Pharmacology, SSR College of Pharmacy. The program was concluded with feedback by students and visit to library.

## **Constitution Day Celebration**

SSR College of Pharmacy proudly celebrated **Samvidhan Diwas (Constitution Day)** on **26th November 2024** to honor the historic adoption of the **Constitution of India**.





The event aimed to raise awareness among students about the core values, rights, and duties enshrined in the Constitution.



The highlight of the celebration was the enthusiastic participation of **First Year B. Pharm students**, who took part in various activities organized for the occasion. A **quiz competition** was conducted to deepen their understanding of constitutional principles, followed by the **collective reading of the Preamble**, reinforcing the spirit of unity and democracy.



The event successfully reminded students of the importance of constitutional literacy and encouraged them to uphold the ideals of justice, liberty, equality, and fraternity.

## Publications and Award

### SSR COLLEGE OF PHARMACY, SILVASSA

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



Mr. Suraj Singh  
PG Student



Prof. Ishvarchandra Parmar  
Assistant Professor

## Congratulations

For publication review article  
"Food and Chemical Toxicology" Journal (IF 3.5)



Advances in bioanalytical techniques for toxicological applications:  
Emerging techniques, challenges, and future directions

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#### ARTICLE INFO

Handling Editor: Professor Matthew Wright

**Keywords:**  
Bioanalytical chemistry  
Instrumental analysis  
Toxicological research  
Sample preparation

#### ABSTRACT

Bioanalytical chemistry has become an essential part of modern toxicological research, offering the sensitivity and precision needed to detect chemical exposures in biological systems. This review highlights the critical role of bioanalytical techniques in identifying toxic substances, studying their behaviour in complex biological environments, and converting these exposures to harmful health effects. As toxicology becomes more predictive and mechanistic, advanced tools like mass spectrometry, chromatography, and electron microscopy have significantly improved the analysis of toxicological and toxicodynamic methods in environmental, pharmaceutical, and forensic fields.

This work also explores current innovations such as GC-MS, LC-MS, and other hyphenated techniques, along with emerging tools like mass spectrometry imaging, microfluidic systems, and AI-driven data analysis. It ends

### SSR COLLEGE OF PHARMACY, SILVASSA

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## Congratulations



Ms Hiral Vadgama  
PG Student



Dr. Sonal Desai  
Professor



Dr. Parixit Prajapati  
Associate Professor

For publication of review article in the Scopus Indexed Journal  
"Discover Chemistry"

#### REVIEW

#### Open Access

### Green solvents and their role in modern sample preparation for sustainable analytical chemistry

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#### Abstract

The transition from traditional solvents to green solvents in analytical chemistry represents a pivotal shift towards sustainable science, reducing toxicity and environmental impact while maintaining analytical efficacy. Green solvents are significantly safer in both human health and environmental respects compared to toxic conventional solvents like benzene or chloroform. They are obtained from non-exhaustible resources, such as plant-based materials, rather than petroleum-based sources used in traditional solvents. Solvents like supercritical fluids often operate under conditions that require less energy, such as lower temperatures or pressures, compared to conventional methods. Additionally, green solvents help to meet stringent occupational safety regulations, minimizing compliance risks and liabilities. This review explores the evolution, innovations, and utilization of green solvents in analytical sample preparation, emphasizing their role in advancing environmentally





## SSR COLLEGE OF PHARMACY, SILVASSA

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



### Congratulations

Mr Ishvarchandra Parmar

For publication of research article in  
Future Journal of Pharmaceutical Sciences,  
(Impact Factor 3.00)



Parmar et al.  
Future Journal of Pharmaceutical Sciences (2025) 11:161  
<https://doi.org/10.1186/s43094-025-00914-3>

Future Journal of  
Pharmaceutical Sciences

#### RESEARCH

#### Open Access

### Synthesis, characterization, biological screening and in silico studies of novel pyrazole-chalcone derivatives as potent aromatase inhibitors for breast cancer therapy

Ishvarchandra Parmar<sup>1,2\*</sup>, Samir Patel<sup>2</sup>, Umang Shah<sup>2</sup>, Chirag Patel<sup>3</sup>, Aikesh Patel<sup>4</sup> and Anya Patel<sup>4</sup>

#### Abstract

**Background** Chalcone derivatives, which are known for their non-steroidal anticancer properties, have been extensively studied. One potential application of chalcone is as aromatase inhibitors, a crucial strategy for treating estrogen receptor-positive (ER+) breast cancer. Thirteen chalcone derivatives were synthesized via the aldol condensation method, and their structural properties were characterized using FTIR, MS, and NMR. Molecular docking was performed using the Schrodinger Suite, and the QikProp program was used for in silico ADME analysis.

**Results** The cytotoxicity of all 13 synthesized compounds was evaluated using the MCF-7 human cancer cell line. Additionally, specific chalcone derivatives were subjected to further aromatase inhibition testing. Four compounds, namely 3a, 3c, 3g, and 3h demonstrated significant potency, with  $IC_{50}$  values of  $20.66 \pm 1.79 \mu M$ ,  $14.66 \pm 1.09 \mu M$ ,  $17.96 \pm 1.57 \mu M$ , and  $15.52 \pm 1.25 \mu M$ , respectively. Further analysis using a fluorogenic assay revealed that compounds 3a, 3c, 3g, and 3h exhibited in vitro aromatase inhibitory activities with  $IC_{50}$  values of  $4.684 \pm 3.33 \mu M$ ,  $1.368 \pm 0.90 \mu M$ ,  $2.124 \pm 0.83 \mu M$ , and  $3.314 \pm 0.6123 \mu M$ , respectively. The ADME parameters of the synthesized compounds were also computed using QikProp 5.1 software.

**Conclusions** Compound 3c emerged as the most potent aromatase inhibitor, with an  $IC_{50}$  value of  $1.368 \pm 0.90 \mu M$ , surpassing that of letrozole. Compounds 3g and 3h also exhibited strong aromatase inhibitory activities. These findings suggest that 3c, 3g, and 3h are promising lead compounds for further research as potential anticancer agents, particularly in the context of aromatase inhibition.