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Two Days International Conference on 'Pharma 5.0: AI & Sustainable Innovations for Future Healthcare'

**Sponsored by GUJCOST/DST Government of Gujarat and Co-Sponsored by Sun Pharma,
Anchrom Enterprises, GFPS, Laksh Finechem and CVMU**

27th and 28th March, 2026

Event Report

Two Days International Conference

"Pharma 5.0: AI & Sustainable Innovations for Future Healthcare"

Date: 27th & 28th March 2026

Place: Seminar Hall, IICP

1. Introduction

A Two Days International Conference on "Pharma 5.0: AI & Sustainable Innovations for Future Healthcare" was successfully organized on 27th and 28th March 2026. The conference aimed to explore the transformative role of Artificial Intelligence (AI) and sustainable innovations in advancing pharmaceutical sciences and healthcare systems.

The event was sponsored by GUJCOST/DST, Government of Gujarat and co-sponsored by Sun Pharma, Anchrom Enterprises, GFPS, Laksh Finechem, and CVMU.

2. Objectives of the Conference

- To highlight advancements in AI-driven drug discovery and development
- To explore sustainable innovations in pharmaceutical sciences
- To bridge the gap between academia and industry
- To provide a platform for sharing research through poster presentations
- To discuss regulatory and clinical applications of AI in healthcare

3. Day 1 Proceedings (27th March 2026)

The conference commenced with registration and breakfast, followed by the Inaugural Session. The Inaugural Function of the conference commenced with a warm welcome to all dignitaries, speakers, and participants. **Dr. Dimal A. Shah**, Principal, Indukawa Ipcowala College of Pharmacy (IICP), formally introduced the distinguished dignitaries present on the dais.



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Following this, **Dr. Hetaben M. Kachhiya**, Assistant Professor, IICP, presented a comprehensive overview of the International Conference. She elaborated on the theme "*Pharma 5.0: AI & Sustainable Innovations for Future Healthcare*," outlining its relevance in the current healthcare landscape. She also briefed the audience about the objectives, key sessions, and expected outcomes of the conference, emphasizing the role of Artificial Intelligence and sustainable practices in shaping the future of pharmaceutical sciences.

The session effectively set the context for the subsequent technical deliberations and inspired participants to actively engage in the conference proceedings.

Dr. Indrajit Patel, Provost, The Charutar Vidya Mandal University and chief guest of the conference in his address, highlighted the significance of the conference theme "*Pharma 5.0: AI & Sustainable Innovations for Future Healthcare*." He emphasized that Artificial Intelligence is playing a transformative role in revolutionizing pharmaceutical research, drug discovery, and patient care. He pointed out that Pharma 5.0 focuses on integrating advanced technologies with a patient-centric approach, ensuring precision medicine and improved healthcare outcomes. He also stressed the importance of sustainability in pharmaceutical practices to meet future global healthcare demands responsibly.

He appreciated the organizers for providing a platform that connects academia and industry, encouraging innovation, research, and collaboration among participants.

Dr. Murlidhar Zope, Assistant Vice President, Sun Pharma, Vadodara and Guest of Honor of the conference in his address, discussed the growing impact of Artificial Intelligence in the pharmaceutical industry. He highlighted how AI is enhancing efficiency in drug development, formulation design, and regulatory compliance. He emphasized that the integration of AI not only accelerates processes but also improves accuracy and decision-making in healthcare



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systems. He further mentioned that sustainable innovation is essential to ensure long-term growth and environmental responsibility in the pharmaceutical sector.

He encouraged students and researchers to adopt emerging technologies and actively contribute to advancements in Pharma 5.0 through interdisciplinary collaboration.

1st Plenary Technical Session: Dr. Shashikant V. Bhandari, Professor, AISSMS College of Pharmacy, Pune delivered an insightful session on ***"AI in Drug Discovery and Development."*** He explained how Artificial Intelligence is transforming the traditional drug discovery process by enabling rapid screening of compounds, predicting molecular interactions, and reducing development timelines. He also emphasized the role of machine learning in improving success rates and minimizing costs in pharmaceutical research. He also provided Hand-on- Training on Docking software which is designed by Dr. Shashikant Bhandari and his team.

2nd Plenary Technical Session: Mr. Hardik Panchal, AGM Training Department, Cliantha Research, Ahmedabad presented on ***"Application of AI in Clinical Practice."*** He highlighted the use of AI in disease diagnosis, clinical decision-making, and patient monitoring systems. He discussed how data analytics and AI tools are enhancing personalized treatment and improving healthcare outcomes through real-time insights.

3rd Plenary Technical Session: Dr. Swayamprakash Patel, Associate Professor, Ramanbhai Patel College of Pharmacy, CHARUSAT University, Changa delivered a talk on ***"Applications of Artificial Intelligence in Formulation Development."*** He explained how AI aids in optimizing formulation variables, predicting drug stability, and improving the efficiency of drug delivery systems. The session also highlighted the role of computational tools in reducing experimental workload.

4th Plenary Technical Session: Dr. Narendrasinh Chauhan, Professor, Department of Information Technology, A D Patel Engineering College spoke on ***"Precision Pharmacy in the AI***



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Era: A Computational Perspective on Transforming Data into Clinical Decisions" He emphasized the importance of converting healthcare data into actionable clinical decisions using AI. The session focused on precision medicine, integration of digital health records, and the future of patient-centric pharmaceutical care.

4. Day 2 Proceedings (28th March 2026)

5th Plenary Technical Session: Mr. Manoj Aswani, Store Manager, Loblaw Companies Limited, Canada delivered an engaging session on ***"Digital Twins and Precision Medicine: Transforming Patient-Centered Care."*** He introduced the concept of digital twin technology, where virtual models of patients are created to simulate health conditions and predict treatment outcomes. He emphasized how this approach enhances personalized medicine, improves clinical decision-making, and leads to better patient care.

6th Plenary Technical Session: Mr. Rikin Shah, Assistant General Manager (AGM), Global Regulatory Intelligence, Ahmedabad presented on ***"Impact and Importance of AI on Pharmaceutical Regulatory Affairs."*** He highlighted the growing role of AI in streamlining regulatory processes, including automated documentation, data analysis, and compliance management. He also discussed global regulatory trends and the need for adopting AI to ensure faster and more accurate approvals.

5. Poster Presentation Sessions

The conference also featured Online and Offline Poster Presentation Sessions, providing a platform for students and researchers to showcase their innovative research work.

- **Online** Poster Presentations were conducted prior to lunch, allowing participants to present their work virtually.
- **Offline** Poster Presentations were held in the afternoon, where participants interacted directly with evaluators and attendees.



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The presentations covered diverse topics related to Artificial Intelligence, pharmaceutical sciences, and sustainable healthcare innovations. The sessions were evaluated by experts, encouraging research aptitude and scientific discussion.

6. Valedictory Function

The conference concluded with a Valedictory Function graced by:

- Chief Guest: Dr. Tejal Soni
- Guest of Honour: Mr. Hardik Bhatt

The dignitaries appreciated the efforts of the organizing committee and emphasized the importance of such conferences in promoting innovation, research, and collaboration in the pharmaceutical field.

7. Outcomes of the Conference

- Enhanced understanding of AI in pharma
- Strengthened academia-industry collaboration
- Encouraged student research
- Promoted sustainable healthcare innovations

8. Conclusion

Certificates were distributed to all participants, presenters, and volunteers in recognition of their active involvement. The event concluded by **Dr. Jinal Tandel**, Assistant professor and Co-ordinator of conference proposing vote of thanks followed by a high tea session, marking the successful completion of the two-day conference.

Dr. Hetaben M Kachhiya
Co-ordinator

Dr. Jinal N Tandel
Co-ordinator

Dr. Dimal A Shah
Principal, IICP



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