



# SHARDA SCHOOL OF PHARMACY

Pethapur- Mahudi Road, Opp. Kailash Dham, At. Pethapur,

Ta. - Dist. Gandhinagar - 382610.

Ph. No.: 079-30516181, Mo.- 9904115227

DATE: 06/04/2023

## 26<sup>th</sup> Indo – US International Conference

on

**Pharmaceutical Sciences and Technology: Past, Present & Future Aspects**

**Organized by**

**Sharda School of Pharmacy, Pethapur & Association of Pharmacy Professionals**

**In collaboration with APP American International Branch & APP PharmEdu**

**HealthCare Division**

## REPORT

26th Indo – US International Conference on **Pharmaceutical Sciences and Technology: Past, Present & Future Aspects** Organized by Sharda School of Pharmacy, Pethapur & Association of Pharmacy Professionals (APP) Madhya Pradesh State Branch in collaboration with APP American International Branch & APP PharmEdu HealthCare Division on Apr 05-06, 2023 in the commemoration of “World Health Day 2023”.

**CONFERENCE THEME:** Pharmaceutical Sciences and Technology: Past, Present & Future Aspects

**DATE:** 5<sup>th</sup> and 6<sup>th</sup> April, 2023 (World Health day)

**CONFERENCE CONVENER:** Dr. Divyakant Patel

**CO-CONVENER:** Dr. Yogesh K. Patel

**TIME:** 09.00 am to 04.00 pm (For two days)

**TOTAL PARTICIPANTS:** 416 student of M.Pharm, B.Pharm and D.Pharm, Teaching and Non-teaching faculties of various colleges across Gujarat

**OBJECTIVE OF CONFERENCE:** Pharmaceutical Sciences and Technology: Past, Present & Future Aspects



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## DESCRIPTION OF CONFERENCE:

The pharmaceutical sciences combine a broad range of scientific disciplines that are critical to the discovery and development of new drugs and therapies. Drug discovery is the process through which potential new therapeutic entities are identified, using a combination of computational, experimental, translational, and clinical models. Despite advances in biotechnology and understanding of biological systems, drug discovery is still a lengthy, costly, difficult, and inefficient process with a high attrition rate of new therapeutic discovery. Pharmaceutics is the discipline of pharmacy that deals with the process of turning a new chemical entity (NCE) or old drugs into a medication to be used safely and effectively by patients. It is also called the science of dosage form design. There are many chemicals with pharmacological properties, but need special measures to help them achieve therapeutically relevant amounts at their sites of action. Pharmaceutics helps relate the formulation of drugs to their delivery and disposition in the body. Pharmaceutics and Pharmaceutical technology are concerned with the design and formulation of drugs into different dosage forms. They are also concerned with the development of new drug delivery systems that ensure drug efficacy with minimal side effects. Modern drug discovery involves the identification of screening hits, medicinal chemistry and optimization of those hits to increase the affinity, selectivity, efficacy/potency, metabolic stability and oral bioavailability. In the present conference, pharmaceutical experts from diverse organizations will address the gathering regarding global aspects and challenges in pharmaceutical Sciences and technology.

The event was very enthusiastically organized by the Sharda School of Pharmacy, Pethapur on 05-06/04/2023, Sharda Campus managed by Shardaben Education Trust in CAMPUS. Students and Staff members had actively participated in International conference. Under the guidance of Dr. Divyakant Patel sir students and staff, did the assigned work and enjoyed the whole event.



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## INAUGURATION AND WELCOME CEREMONY

Conference was inaugurated by Lamp lightning ceremony by **Mr. Kantibhai Patel** (Patron & Secretary Shardaben Education Trust, Pethapur), the chief guest **Prof. M. M. Patel** (Organizing chairman and chief guest Advisor, APP Gujarat State Branch Former Vice Chancellor, Sabarmati University, Ahmedabad) and **Prof. B. N. Suhagia** (Guest of Honor Chief Advisor, APP Gujarat State Branch Dean, Faculty of Pharmacy Dharmsinh Desai University, Nadiad, Gujarat). Welcome speech and Briefing about Seminar was given By **Dr. Divyakant Patel** (Principal Sharda School of Pharmacy). Vote of thanks was delivered by Ms. Jaini Patel (Associate professor at Sharda school of Pharmacy). **Dr. Naresh Patel** (Chief Patron & Managing Trustee) and **Dr. Yogesh K. Patel** (Co-convener & HOD Sharda School of Pharmacy) was not able to attend the ceremony due to their busy schedule but they have sent their warm regards and blessings to all the audience and team of conference.

## SCIENTIFIC SESSION:

Followed by Inaugural ceremony, Scientific session was delivered by key speaker **DR KHUSHBOO VAGHELA** (Life time member, Association of Pharmacy Professionals (APP) Department of Pharmacognosy and Phytochemistry, School of Pharmacy). **PROF. ALEKHA K. DASH** (Associate Dean (Research), School of Pharmacy and Health Professions, Creighton University, Omaha, NE, USA) **DR. SAURABH KUMAR BANERJEE** (Dean, School of Pharmaceutical Management, the IIHMR University, Jaipur, Rajasthan)

## ORAL AND POSTER PRESENTATION COMPETITION

There was oral and poster presentation competition which was held on both the days. There were total 30 oral presentation and 15 poster presentation. Oral and Posters were presented by student and staff of various colleges across the Gujarat. Student were evaluated by question



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and answer upon different parameters like content, presentation skill, confidence and many more. The competition was evaluated by panel of judge mention here under. The winner were motivated by presenting award and certificate in valedictory function at 3:30 pm to 4:30 pm. On 6<sup>th</sup> April, 2023.

## AWARD CEREMONY

During conference, some of faculties were awarded with best achiever award, best teacher award, Best Pharmacist Award, etc.

### DAY 1 (5<sup>th</sup> April, 2023)

#### AWARD CEREMONY:

In the Inauguration and Welcome Ceremony, some of faculties were awarded with Best Research Scholar Award, Best Teacher Award, Best Researcher Award and Best Achiever Award. Detail was tabulated here under:

SR. NO	AWARD	MALE/ FEMALE	NAME OF FACULTY
1	<b>Best Research Scholar Award</b> (For outstanding Ph.D Scholar)	Female	Dr. Ankita Patel
2	<b>Best Teacher Award</b> (For outstanding teaching)	Male	Mr. Mihir Patel
3	<b>Best Researcher Award</b> (For outstanding Research)	Male	Dr. Kaushik Patel
4	<b>Best Achiever Award</b> (For outstanding Teaching & Research)	Female	Dr. Khushboo Vaghela



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## SCIENTIFIC SESSION:

Scientific session was followed by **Inauguration and Welcome Ceremony**. First scientific session (Lec-1-11:00 am to 12:00pm) was delivered by key speaker **DR KHUSHBOO VAGHELA** (Life time member, Association of Pharmacy Professionals (APP) Department of Pharmacognosy and Phytochemistry, School of Pharmacy). Chairperson for the first session was **Dr Ankita Patel** (Associate Professor, Sharda School of Pharmacy, Pethapur, Gujarat, India.)

## **SCIENTIFIC SESSION-1 KEY SPEAKER: DR. KHUSHBOO VAGHELA**

**Title:** Herbal Cosmeceuticals

**Briefing about session:** Mam has given the detailed idea about the herbal Cosmeceuticals.

In her session, students gained knowledge about the herbal cosmetics and how it differs from herbal Cosmeceuticals and what are the steps to prepare herbal Cosmeceuticals? Mam has also explained about the current scenario of herbal market compared to detailed history and future aspects of herbal cosmetics. In the session, it is also very well and detailed explained about preparation of all the herbal cosmetics or Cosmeceuticals and regulatory guidelines for the marketing, approval, export or import of herbal Cosmeceuticals. The session was very knowledgeable.

## ORAL PRESENTATION COMPETITION

There were oral presentation competition on first day at 1:30pm – 3: 30pm. 15 oral presentation were presented of different department like Pharmacognosy, Pharmaceutics and QA/Chemistry Department. There are some topic on which the oral presentation on first day was given like “Pharmacophore modeling studies of nitrogen-containing-fused-hybrid ring system as topoisomerase II inhibitors for the treatment of Cancer”, “Recent Trends in Herbal Treatment of Alzheimer’s Disease”, “Preparation and Evaluation of Polyherbal Formulation for



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Management of DM”, etc. The competition was evaluated by panel of judge mention here under. The winner were motivated by presenting award and certificate in valedictory function at 3:30 pm to 4:30 pm. On 6<sup>th</sup> April, 2023.

## NAME OF JUDGES:

ORAL PRESENTATION	JUDGE 1	JUDGE 2
Day 1	<b>Ms. Bhumi Patel</b> (Sharda School of Pharmacy)	<b>Dr. Vrunda Shah</b> (Arihant School of Pharmacy and BRI)

## DAY 2 (6<sup>th</sup> April, 2023)

### SCIENTIFIC SESSION:

The second day of conference started with ‘opening remarks’ by **Prof. Ankit B. Chaudhary**, Vice President, APP Gujarat State Branch and Principal, at Saraswati Institute of Pharmaceutical Sciences, Dhanap, Gandhinagar. The scientific session of the conference was enriched with scientific lectures of speakers from International and National Universities like **Prof. Alekha K. Dash**, Associate Dean (Research), School of Pharmacy and Health Professions, Creighton University, Omaha, Nebraska, USA at (Lec-1-10:15 am to 11:15 am) and Last lecture was delivered by **Dr. Saurabh Kumar Banerjee**, Dean & Associate Professor, School of Pharmaceutical Management, The IIHMR University, Jaipur, Rajasthan and National Head, APP Pharmaceutical Education & HealthCare Management at (Lec-2-11:25 am to 12:25 pm). This session was chaired by **Prof. Hiral J. Panchal**, Principal,



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Swaminarayan Sankar Pharmacy College, Zundal, Gandhinagar, Gujarat and Executive Member, APP Gujarat State Branch.

## SCIENTIFIC SESSION-2 KEY SPEAKER: PROF. ALEKHA DASH

**Title:** Pre- formulation studies on two novel Indole-2-carboxamides, highly potent against non tuberculous mycobacteria.

**Briefing about session:** Mr. Alekha das sir has explained the session very energetic. He has detailed explained about non-tuberculous bacteria. He has also gave the knowledge about the research going on under the synthesizing of two novel and highly potent compound having activity on non tuberculous bacteria. He has also explained about the characterization of compound using different techniques and detailed study of these two novel synthesized compound.

## SCIENTIFIC SESSION-3 KEY SPEAKER: DR. SAURABH KUMAR BANERJEE

**Title:** carrier opportunities in medical devices industry for pharmacy and healthcare students.

**Briefing about session:** Dr Saurabh Kumar Benarjee sir has explained the session very interactive. Sir has given the knowledge about carrier opportunities in medical devices. Sir has also explained about the importance of medical devices in pharmacy industries and healthcare system. In the present era, the market for the medical devices is very prominent that is why it is betterment for the students to understand about the concept of medical devices.

## ORAL AND POSTER PRESENTATION COMPETITION

Followed by scientific session, there was oral and poster presentation competition which was started at 1:30pm to 3:00pm. On day 2: Total 15 oral (Pharmacology department) and 15 Posters (various department) were presented by student and staff of various colleges across the Gujarat. The topics of oral presentation on second day were like “Investigating Neuroprotective



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Role of Sitagliptin via PI3K/AKT and Nrf2/Keap1 Pathway in Parkinson's Disease", "Neuroprotective Activity Of Naringenin Against Ischemic –Reperfusion Induced Brain Injury In Rats", "Anticholinergic burden in geriatric patients: The imperative need for deprescribing", etc. and some of the topics of poster presentations were like "Role Of Vitamins, Minerals & Herbs In Strengthening Of Immune System Against Covid-19.", "Calciprash: Development and Formulation of Calcium Rich Avaleha Kalpana (Semisolid Medicated Preparation)", "Physicochemical And Quantitative Phytochemical Analysis Of *Hygrophilla auriculata* (Schumach) Heine", etc. The winner were motivated by presenting award and certificate in valedictory function.

## NAME OF JUDGES: (FOR ORAL PRESENTATION)

ORAL PRESENTATION	JUDGE 1	JUDGE 2
Day 2	<b>Ms. Ritika Paul</b> (Sharda School of Pharmacy)	<b>Dr. Ekta Patel</b> (Sharda School of Pharmacy)

## NAME OF JUDGES: (FOR POSTER PRESENTATION)

POSTER PRESENTATION	JUDGE 1	JUDGE 2
Day 2	<b>Dr. Kirtan Sanghvi</b> (Arihant School of Pharmacy, Swarnim University, Gandhinagar)	<b>Dr. Kaushik Kanada</b> (Gyan manjari College of Pharmacy)





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## VALEDICTORY SESSION:

The conference was ended up with the valedictory function. All the winners were awarded with exciting prizes and certificates. The list of the winners are tabulated as under:

## LIST OF WINNERS

Department	Rank	Name of participants	Topic for Poster Presentation	Name of Institute
<b>Day 1 Oral presentation winners</b>				
Pharmacognosy, Pharmaceutics and QA/Chemistry Department	1 <sup>st</sup>	Abha Vyas	Pharmacophore modeling studies of nitrogen-containing-fused-hybrid ring system as topoisomerase II inhibitors for the treatment of Cancer	Department of Pharmaceutical Chemistry, L.J. Institute of Pharmacy, LJ University
	2 <sup>nd</sup>	Shefali Joshi	Pharmacological Evaluation Of Dazzle Cool Cream For Anti-Inflammatory And Analgesic Activity	Sharda School Of Pharmacy, Pethapur, Gandhinagar
<b>Day 2 Oral presentation winners</b>				
Cology Department	1 <sup>st</sup>	Soni Ritu	Investigating Neuroprotective Role of Sitagliptin via PI3K/AKT and Nrf2/Keap1 Pathway in Parkinson's Disease	Department of Pharmacology, Institute of Pharmacy, Nirma University
	2 <sup>nd</sup>	Nikita Tiwari	Exploring the effect of Tirzepatide a specific GLP1-GIP agonist as a new frontier in type II diabetes mellitus	Sharda School Of Pharmacy, Pethapur, Gandhinagar



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## Day 2 Poster presentation winners

All department	1 <sup>st</sup>	Parth S. Patel	Calciprash: Development and Formulation of Calcium Rich Avaleha Kalpana (Semisolid Medicated Preparation)	Shree S. K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, Mehsana.
	2 <sup>nd</sup>	Udhdhav M. Jani	A Review on Bioavailability & Natural Bioavailability Enhancers	Gyanmanjari pharmacy college, Bhavnagar
	3 <sup>rd</sup>	Samarth R. Rathod	Nanorobotics-An implementation in cancer treatment	Sharda School Of Pharmacy, Pethapur, Gandhinagar

### AWARD CEREMONY:

During the valedictory function, some of faculties were awarded with Best Research Scholar Award, Best Teacher Award, Best Researcher Award and Best Achiever Award in the valedictory function also. Detail was tabulated here under:

Sr. No	Award	Male/ Female	Name of Faculty
1	<b>Best Teacher Award</b> (For outstanding teaching)	Female	Ms. Priyanka Yadav
2	<b>Best Researcher Award</b> (For outstanding Research)	Female	Ms. Janki Patel
3	<b>Best Pharmacist Award</b> (For Outstanding Public Service)	Male	Mr. Jaimin Patel
		Female	Ms. Urvi Trivedi
4	<b>Best Performer Award- Student</b>	Male	Mr. Krupesh Savaliya
5	<b>Best Talent Award for Over all Outstanding Activities</b>	Female	Ms. Mugdha Dhimar

The event concluded with closing remarks and vote of thanks by the hosting college staff members. Certificates were distributed to all the delegates / participants of various colleges and feedback was taken for the betterment of the next event.



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## **OUTCOME OF EVENT:**

Participant enriched with the knowledge of herbal Cosmeceuticals, about medical devices and information related to non tuberculous bacteria and molecules invented for the same. In scientific session participant gained knowledge about many new things, market scenario related with past and future to the present. Form the different oral and poster presentation, students and faculties get idea about the research going on in different disciplines and in different colleges. All can get new way related to research and education. Conference was ended up with excellent opportunities to disseminate research, it shared the best practice, network with colleagues and students of different colleges.

**Sign of Principal**