



SDPC
E-BULLETIN
JAN - MARCH
2022

**SDPC E-BULLETIN**E-Mail:sdpcebulletin@gmail.com

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Polymer Science and Engineering Discipline
Editor, Chemical Engineering Journal (Elsevier, New York) and Emeritus Professor, College of Pharmacy, Dharwad, India.



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Physical Scientist, National Risk Management Laboratory US Environmental Protection Agency (US EPA).



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Cell for Industrial Safety and Risk Analysis, Chemical Engineering Department, CLRI (CSIR), Chennai, India



Prof. Kuei-Hsien Chen

PhD (Harvard University, USA)
Research Fellow & Deputy Director, Institute of Atomic & Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan.



Seminar On Transition From Indian Pharmacist to Canadian Pharmacist, Hurdles & Solutions



**IQAC OF
SHREE DHANVANTARY PHARMACY COLLEGE
ORGANIZING A SEMINAR ON
" TRANSITION FROM INDIAN PHARMACIST TO
CANADIAN PHARMACIST: HURDLES & SOLUTIONS"**

**DATE: 5th MARCH 2022
TIME: 9:30AM TO 11:30AM**



Speaker

Dr. NILESH KANZARIYA

**Director of Pharmacology Guru
Coaching Institute**

Discussion Topics of the Seminar:

1. How to migrate in Canada?
2. What is PEBC?
3. Stages of PEBC
4. Important study topics for PEBC

Principal

Dr. M. N. Noolvi

Co-Ordinators

**Ms. Sonam Gandhi
Dr. Zeel Naik
Ms. Achala Vyas**

Co- coordinator

Mr. Minesh Patel

**College Address: KIM [East], Near Railway Station, Dhanvantary College
Road, Taluka : Olpad, Dist : Surat, Gujarat, India. E-mail: info@sdpc.co.in**



Name of event : Transition From Indian Pharmacist To Canadian Pharmacist: Hurdles & Solutions

Name of participants or semester/department: Pharm D and B.Pharm Student, Faculty members

Date : 5th March 2022

Time: 9:30 AM- 11:30 PM



Work Shop Design of Experiments (DOE)



IQAC OF

SHREE DHANVANTARY PHARMACY COLLEGE

ORGANIZING A WORKSHOP ON

"DESIGN OF EXPERIMENTS (DOE)"



DATE: 10th March 2022

TIME: 9:00AM TO 12:00PM

Speaker

Dr. Vinodkumar D. Ramani

Assistant Professor at Bhagwan Mahavir College of Pharmacy

Principal

Dr. M.N. Noolvi

Co-Ordinators

Ms. Sonam Gandhi

Dr. Zeel Naik

Ms. Achla Vyas

Co-ordinators

Dr. Manish Goyani

Address: Dhanvantary Campus Kudsad road, Near Kim railway station Kim (E), Ta: Olpad, Dist: Kim, Gujarat 394110

Name of event : Work Shop Design of Experiments (DOE)

Name of participants or semester/department: Pharm D and B.Pharm Student, Faculty members

Date : 10TH OF MARCH 2022

Time: 9:30 AM- 12:00 PM

Two Days 3rd National Conference On “Advances in Drug Discovery And Development





Name of event : 2 Days 3rd National Conference On “Advances in Drug Discovery & Development

Name of participants or semester/department: Pharm D and B.Pharm Student, Faculty members From all over india

Date : 25th&26th of march 2022

Time: 08:30A.M to 4:00 P.M



KITE FLYING DAY 2022

Shree Dhavantary Pharmacy college celebrated Makar Sankranti to inculcate the respect for diversity and appreciation of India's rich culture in the students by conducting a kite making and kite flying activity on 13th January, 2022. Students were enlightened about Makar Sankranti, a harvest festival that marks the arrival of spring. The festival symbolizes the beginning of the auspicious period of Uttarayan. Makar Sankranti is celebrated across the country with different names like Pongal in Tamilnadu, Makara Villaku in Kerala, Sukarat in Bihar and Jharkhand, Poush Sankranti in Bengal and Uttarayan in Gujarat.

Students were informed how the tradition of kite flying on Makar Sankranti is being carried out from ages so that people are exposed to the sun rays. Being in the morning sun is believed to get rid of the skin infections and illnesses associated with winter.

The students made different shaped kites with colorful feathers and red beaks. Students. They also showed their creativity and artistic talent by adding colors and glitters to make the kites more vibrant. The whole exercise was a joyous experience for the students as well as the teachers. Students of all classes participated with enthusiasm. It was a great day with kites and students with big smiles on their faces.

The fun-filled activity concluded with the following wish by teachers to their students - "With the sweetness of jaggery and prayers for a good harvest, hope the vibrancy and colour of this festive season brightens up your life. May you always soar high up in life like the vibrant kites that fly in the sky."

Name of event : Kite Flying Day

Name of participants or semester/department: Pharm D and B.Pharm Students

Date : 13th January, 2022

73rd Republic Day Celebration





Name of event : 73rd Republic Day Celebration

Date: 26 January 2022

Participants: Pharm D. And B.Pharm Student, All Teaching and Non-Teaching Staff

Venue: SDPC Campus

Days celebration





Name of Event: Days celebration

Date: 1st Feb – 5th Feb 2022

Participants: Pharm D. And B.Pharm Students

Venue: SDPC Campus, Kim

Description of Event: (Bollywood Day, Group Day, Executive Day, Rainbow Day, Mismatch Day)



Azadi Ka Amrit Mahotsav



SHREE DHANVANTARY PHARMACY COLLEGE, KIM

CELEBRATION OF 75 YEARS OF INDIA'S INDEPENDENCE -
AZADI KA AMRUT MAHOTSAV

Webinar on "India- Before & After Freedom"

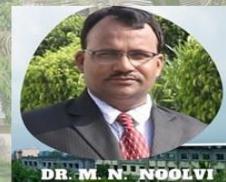
SHREE DHANVANTARY PHARMACY COLLEGE

Date: 27th March, 2021 @ Google meet

Meet code: mtm-vava-pob

Speaker : Dr. M.N.Noolvi

Principal, Shree Dhanvantary Pharmacy College, Kim



DR. M. N. NOOLVI

REC

Shree Dhanvantary Pharmacy College, Kim
Sponsored by
National Conference
on
"In Nanotechnology
Drug Discovery"
Date: 27th March, 2021 @ Google meet
Meet code: mtm-vava-pob

Meeting details

People (50)

Chat

khushi chauhan 12:04 PM
Thank you sir

Shivangi Yadav 12:04 PM
Thanku sir

Yagnesh Patel 12:04 PM
Thank You Sir

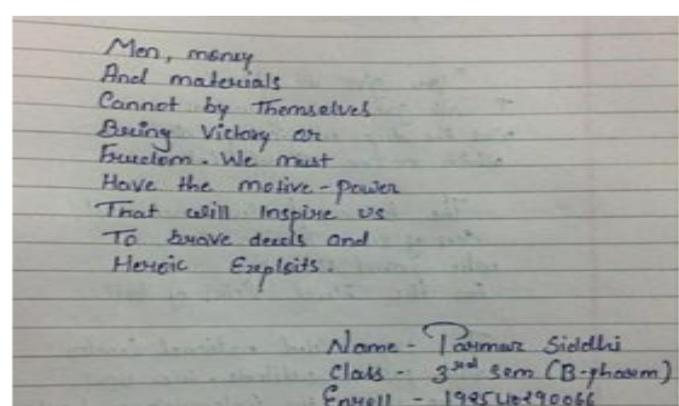
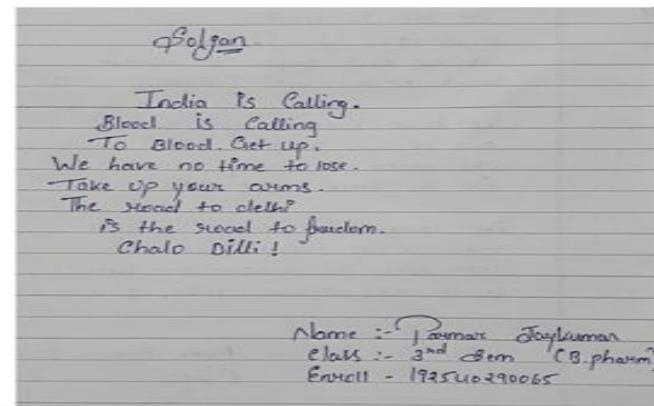
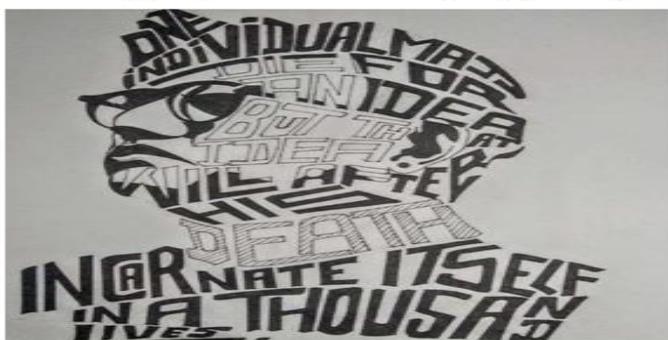
Riya Patel 12:04 PM
Thank u sir

Nitish kumar 12:04 PM
Thank you sir

Jay Bariya 12:04 PM
thank u sir nd have a good day

Send a message to everyone

Several participants left the meeting.

Photographs of Some Slogans prepared by Participants for competition

Events: 1) Webinar on “INDIA: BEFORE & AFTER FREEDOM”

2) Theme: Freedom Fighters (Slogan writing, Poetry, Essay writing)

Date: 27/ 03/2021 & 03/04/2021

Participants: Pharm D. And B.Pharm Students

Venue: SDPC Campus, Kim

Description of Event: In the celebration of 75 years of India’s Independence - Azadi ka Amrut Mahotsav, A webinar on “INDIA: BEFORE & AFTER FREEDOM” was organised by Shree Dhavantary Pharmacy College on google meet on 27th March, 2021 at 11 to 12. All B.pharm, M.Pharm, Pharm.D students and Faculties were join in google meet. Our Principal Dr. M.N. Noolvi delivered a speech on ‘India –before & after freedom’. Total 100+ participants were join on google meet.

The event for Slogan Writing, Poetry, Essay writing competition was organised on theme “FREEDOM FIGHTERS” on 3th April, 2021 on online platform. Total 69 enthusiastic students from B.Pharm and Pharm.D were participated virtual and Virtual events conducted by using Google meet application. Evaluation is done by assigned Evaluators. Winners are declared on the basis of efforts and evaluation criteria.



CELEBRATION OF THE HOLI FESTIVAL





Name of Event: Celebration Of The Holi Festival

Date: 17 March 2022

Participants: B.Pharm, M.Pharm, and Pharm.D students

Venue: SDPC Campus, Kim

Description of Event: The most colorful and vibrant festival of India – Holi was celebrated with splash of colors at Shree Dhanvantary Pharmacy College, Kim, Surat. The atmosphere on 17 March 2022 was marked with fun and fervor as B.Pharm, M.Pharm, and Pharm.D students celebrated this vibrant festival. Everyone was feeling very happy and enjoyed it a lot. The celebration started at 11:00am. The college following the green and global practices had arranged for safe organic herbal Holi colors. The academic courtyard was an amalgamation of enthused students who also sprinkled colors on professors. Holi is the festival which commemorates the victory of good over evil, brought about by the burning and destruction of the evil demon named Holika. So the spirit of Holi taught the students to follow good conduct in life and believe in the virtue of being truthful and honest. On that day the campus of our college was decorated by the students. The Principal, Dr. M.N.Noolvi stated that Holi is a festival of new hope, new beginning and new opportunity. He reiterated to forget, forgive and start afresh and advised the students to play only with organic colors. The students of Shree Dhanvantary Pharmacy College welcomed spring, season of hope with songs, dance and bright colors which were the major highlights of this vivid and lively festival. These bright colors are believed to signify energy, life and joy. The event was organized by Dr.ZEEL Naik, Ms Sonam Gandhi, Dr. Monika Kakadiya and Ms Rozina under the guidance of Academic Head Dr Uttam More.

Annual Function, Euphoria





Name of Event: Annual Function, Euphoria

Date: 26th march 2022

Participants: B.Pharm, M.Pharm, and Pharm.D students

Venue: SDPC Campus, Kim

Description of Event: An Annual Function, Euphoria – A Cultural Extravaganza, was organized by **Shree Dhanvantary Pharmacy College, Kim – Surat** on 26th march 2022, under the guidance of the college Cultural Committee headed by Dr. Monika Kakadiya, Ms. Rozina Patel & Dr. Zeel Naik. The event witnessed a huge participation from students across all sections and years of Pharm. D and B. Pharm.

Various performances were shown by the students including Solo dance, Group Dance, Solo Singing & Fashion Show. The events were accompanied by Award Ceremony for various events like sports awards for the sports week, intercollege sports events, cultural events, academic awards, research excellence and grants.



Paper Publication By Faculty

Sr No.	Authors name & title of publication	Journal	Month/ Year	Volume	Page no.	DOI
1.	Rahul Patil, Sachin Rathod, Heta Desai, , and Jayant Sarolia Non-ionic Surfactants as a P-Glycoprotein(P-gp) Efflux Inhibitor for Optimal Drug Delivery—A Concise Outlook	AAPS PharmSciTech (Springer Nature)	1, Jan (2022)	55 (2022)	23,	https://doi.org/10.1208/s12249-022-02211-1

[SpringerLink](#)

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Review Article | Published: 18 January 2022

Non-ionic Surfactants as a P-Glycoprotein(P-gp) Efflux Inhibitor for Optimal Drug Delivery—A Concise Outlook

[Sachin Rathod](#), [Heta Desai](#), [Rahul Patil](#) & [Jayant Sarolia](#) [AAPS PharmSciTech](#) 23, Article number: 55 (2022) | [Cite this article](#)430 Accesses | 2 Citations | [Metrics](#)

Abstract

Significant research efforts have been devoted to unraveling the mystery of P-glycoprotein(P-gp) in drug delivery applications. The efflux membrane transporter P-gp is widely distributed in the body and accountable for restricting drug absorption and bioavailability. For these reasons, it is the primary cause of developing multidrug resistance (MDR) in most drug delivery applications. Therefore, P-gp inhibitors must be explored to address MDR and the low bioavailability of therapeutic substrates. Several experimental models in kinetics and

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Polymer Science and Engineering Discipline
Editor, Chemical Engineering Journal (Elsevier, New York) and Emeritus Professor, College of Pharmacy, Dharwad, India.



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Professor, Texas State University, USA.



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PhD (North Carolina State University, Raleigh, North Carolina, USA)
Professor, Department of Polymer & Fiber System Engineering and Director of Alan G. MacDiarmid Energy Research Institute at Chonnam National University.



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Professor, Department of Chemistry, University of Ulsan, Ulsan, South Korea.



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Physical Scientist, National Risk Management Laboratory US Environmental Protection Agency (US EPA).



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Scientific Officer-F (Group Leader, Radiochemical Group) Bhabha Atomic Research Centre, Mumbai, India.



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PhD (Rensselaer Polytechnic Institute, Troy, New York, USA)
Adjunct Professor in Radiology, department of UT Southwestern Medical Center, Dallas.



Dr. M. Surianarayanan

PhD (Kanagawa Industrial Technology Research Institute, Kanaga Wa-Ken, Japan)
Cell for Industrial Safety and Risk Analysis, Chemical Engineering Department, CLRI (CSIR), Chennai, India

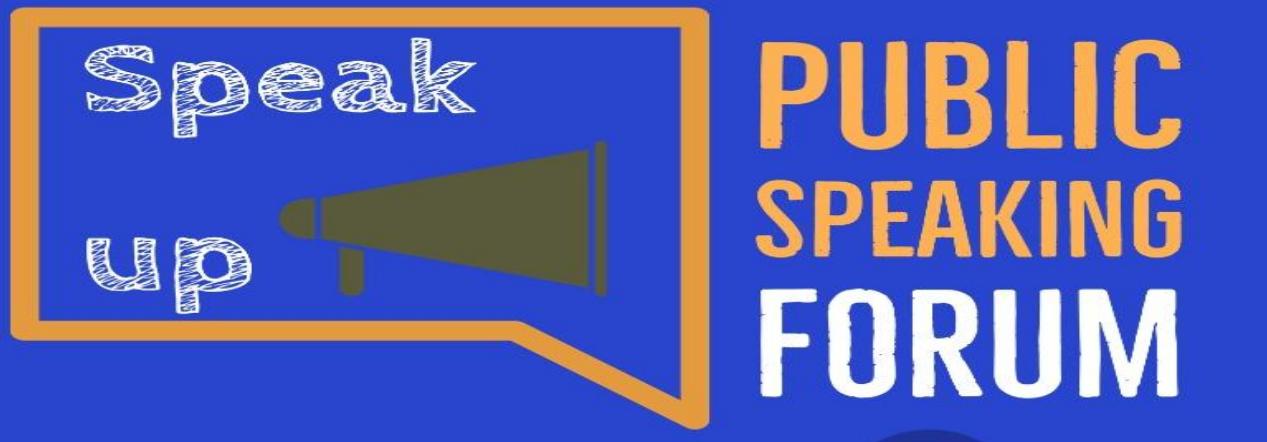


Prof. Kuei-Hsien Chen

PhD (Harvard University, USA)
Research Fellow & Deputy Director, Institute of Atomic & Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan.



Seminar On “Speak Up, Public Speaking Forum”



You're invited

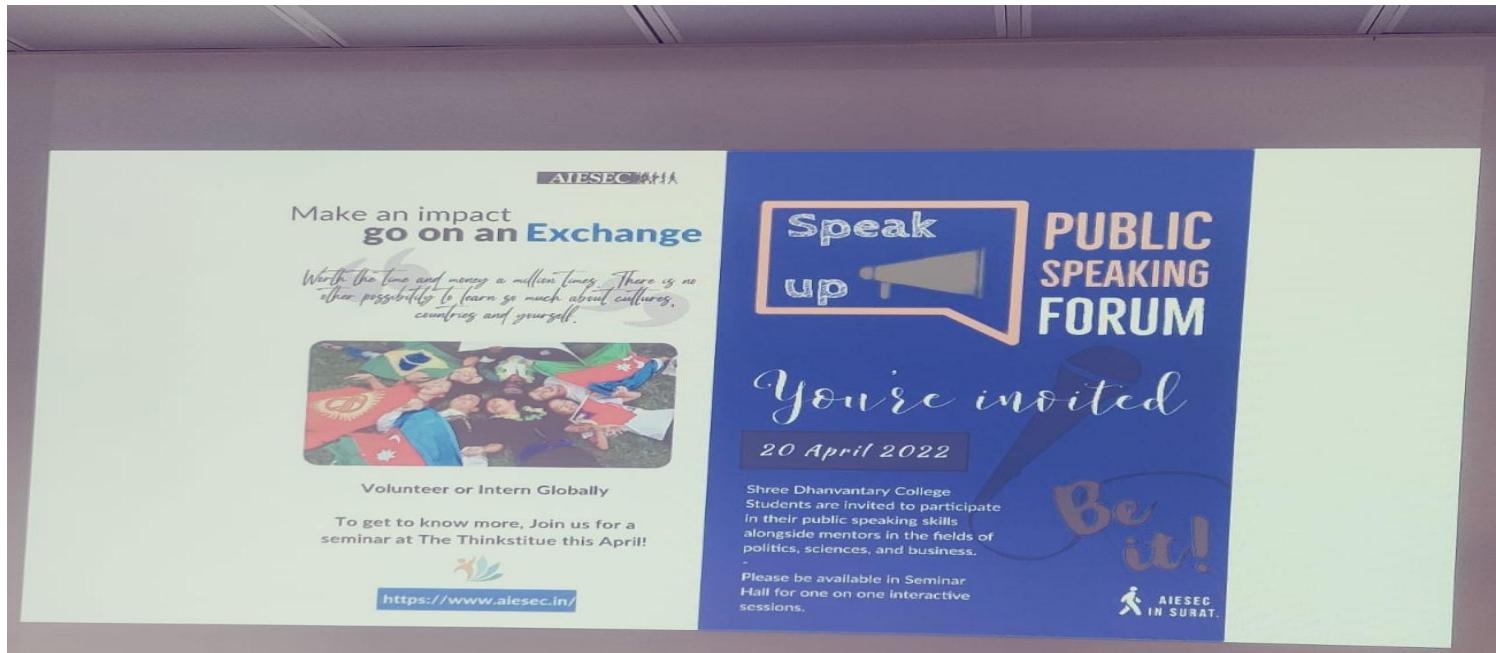
20 April 2022

Shree Dhanvantary College
Students are invited to participate
in their public speaking skills
alongside mentors in the fields of
politics, sciences, and business.

-
Please be available in Seminar
Hall for one on one interactive
sessions.

Be
it!

 AIESEC
IN SURAT.



Name of event : Seminar On “Speak Up, Public Speaking Forum”

Name of participants or semester/department: Pharm D and B.Pharm Student, Faculty members

Date : 20th April 2022

Time: 11:00 AM- 12:30 PM



Webinar on “Importance of professional training & readiness for successful industrial placement”

 SHREE SAHKAR EDUCATION TRUST'S
Shree Dhanvantary Pharmacy College
(Approved by AICTE & PCI - New Delhi and Affiliated to G.T.U.)

ORGANIZING WEBINAR

in association with CLINI INDIA



"Importance of professional training & readiness for successful industrial placement"

Date- 9 May 2022, 3PM

What will you learn?

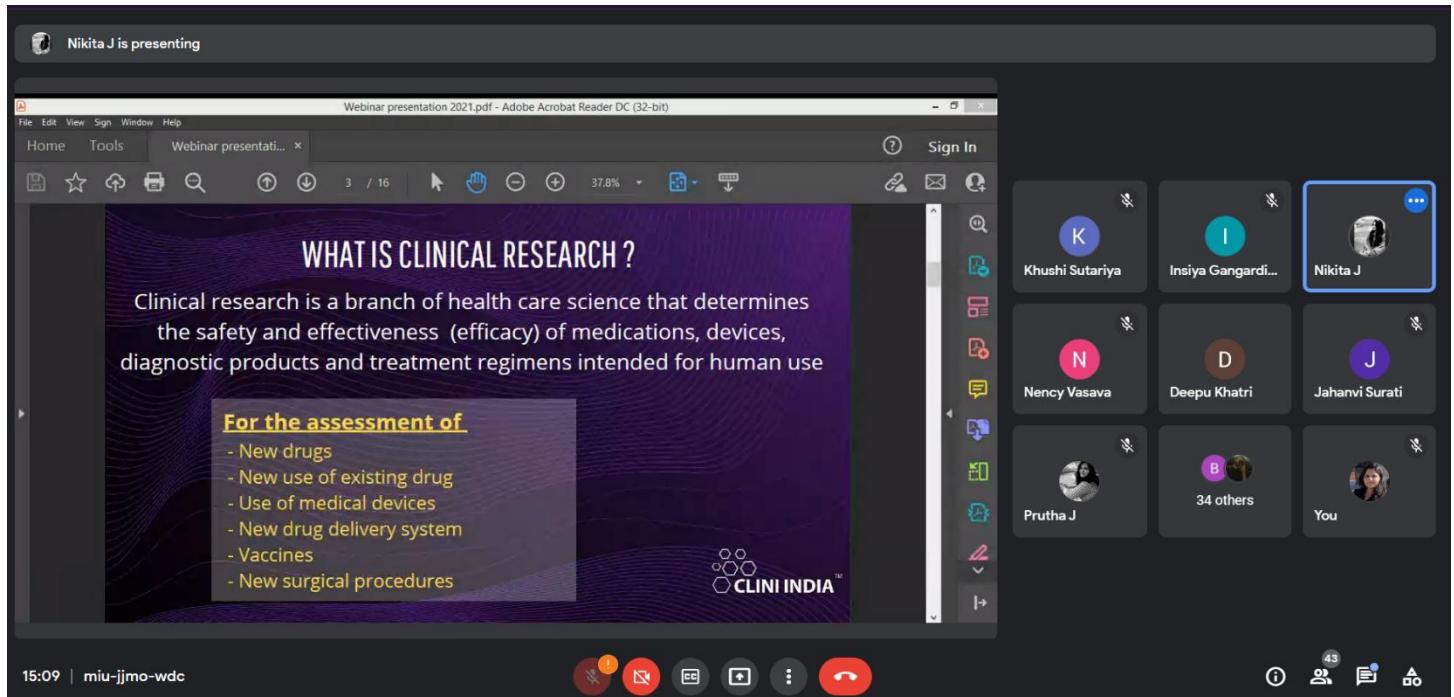
- It will make you understand about the industry expectation from a fresher
- How you have to prepare and be ready
- What are the secrets to achieve a higher package in a reputed organization
- How online training will be and what it covers?
- What are the advantages of it?
- How actually placement happens?

SPEAKER


Ms. Nikita Jogewar
Associate manager


 www.cliniindia.com

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www.cliniindia.com



Name of event : Webinar on “Importance of professional training & readiness for successful industrial placement.

Name of participants or semester/department: over 100 Participants Pharm D and B.Pharm Student

Date : 9th May ,2022 3

Time: 03.00PM-04.30PM

Mode: google meet platform

Platform : online

Description Of Event: Internal Quality Assurance Cell (IQAC), Shree Dhanvantary Pharmacy college organized webinar on topic “**Importance of professional training & readiness for successful industrial placement**” through online mode Google meet (<http://meet.google.com/miu-jjmo-wdc>) platform on 9th May ,2022 3.00PM-04.30PM. The Assistant Professor Ms. Sonam Gandhi felicitated and introduced speaker Ms. Nikita Jogewar, Associate Manager, Clini India. over 100 Participants registered and attended webinar through online google meet platform. During the webinar, Ms. Nikita Jogewar gave knowledge regarding the industrial expectation from a fresher and secrets to achieve a higher package in reputed organization. After webinar Q&A session for 10 minutes many students and faculty raised questions and addressed by Ms. Nikita Jogewar.

PTA MEETING





Shree Dhanvantary Pharmacy College

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KIM-SURAT, GUJARAT



Name of event : PTA MEETING

Name of participants or semester/department: Pharm D

Date : 6th April, 2022

Time: 11:00 A.M

Description Of Event: Shree Dhanvantary Pharmacy College organized the PTA meeting for the parents of Pharm D students on 6th April, 2022. The event commenced at 11:00 A.M in the morning, with lamp-lighting and floral felicitation of the parents. Dr. M.N Noolvi, Principal – SDPC, addressed the gathering and felicitated the students of 2nd year – 6th year of Pharm D, who topped in GTU examination in the previous year. It was then followed by presentation of GTU guidelines and college rules and regulations rendered by Dr. Zeel Naik. The gathering was dispersed with the National Anthem.



Paper Publication By Faculty

Sr No.	Authors name & title of publication	Journal	Month/ Year	Volume	Page no.	DOI	Publisher /ISSN/IS BN No.	Whether Peer Reviewed/ Impact Factor
1.	Rahul Patil Neha S. Ekal, Nihar Ranjan , Pratap Bahadur , Sanjay Tiwari Oxidation state of graphene oxide nanosheets drives their interaction with proteins: A case of bovine serum albumin	Colloids and Surfaces B: Biointerfa ces	April (2022)	212,	112367	10.1016/j. colsurfb.2 022.11236 7	(Elsevier)	-



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Colloids and Surfaces B: Biointerfaces

Volume 212, April 2022, 112367



Oxidation state of graphene oxide nanosheets drives their interaction with proteins: A case of bovine serum albumin

Neha S. Ekal ^{a, 1}, Rahul Patil ^{b, 1}, Nihar Ranjan ^c, Pratap Bahadur ^d, Sanjay Tiwari ^{a, 2}

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Highlights

- Graphene sheets display pure graphitic domains with sp^2



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SDPC

Jul-Sep

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PhD (Harvard University, USA)
Research Fellow & Deputy Director, Institute of Atomic & Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan.

SEED BALL MAKING ACTIVITY





Event Name : Seed Ball Making Activity

Date: 18 July, 2022

Time: 12:30 to 3:00 pm

Participated students: B.Pharm

Details : The IQAC, NSS Unit of the college had organised an awareness program on Seed ball making In the college campus on 18 july,2022. The students were explained about the making of seed balls and its role in vegetation. Around 50 volunteers have participated. Three varieties of seeds were used to produce around 100 seed balls by the volunteers. The Program was organised by NSS and IQAC unit. With the support by the management, staff members and students, the program turned a successful one.

THALASSAEMIA TEST





Event Name : Thalassaemia Test

Date: 3rd & 4th August 2022

Time: 8:00 TO 03:00

Participated students: B.Pharm and Pharm D.

Details : The NSS Unit of Shree Dhanvantary Pharmacy College organized Thalassemia Test for students under Har Ghar Tiranga Campaign and Azadi Ka Amrit Mahotsav. This campaign was taken place to aware the students regarding the risk of thalassemia and motivate them to get screened for the disease. All the students were gathered in the seminar hall for giving blood samples. Jivani pathology lab Surat collected the blood sample of all students. In this camp, around 522 students gave blood for the thalassemia test. With the support of the management, staff members and students, the program turned into a successful one.

HAR GHAR TIRANGA RALLY





Event: Har Ghar Tiranga Rally

Date: 5 August 2022

Day: Friday

Time: 09 am to 2:30 pm

Participated Students: B.Pharm and Pharm D.

Venue: SDPC Campus, Kim.

Description of The Event:

The NSS Unit of Shree Dhanvantary Pharmacy College organized Rally regarding Har Ghar Tiranga Campaign in Azadi Ka Amrit Mahotsav. The rally was held on the SDPC campus on 5th august 2022. All the students of B. Pharm, Pharm D and Faculty members participated in the Har Ghar Tiranga Rally. The rally started at 9:00 am in morning from the SDPC campus and the rally was led by the principal of SDPC Dr.M.N.noolvi. The route of our rally was as - SDPC campus-Kim Fatak-Gujarat Nagar-Ganesh Nagar-Patel Nagar-Khatodra Road-Kim Fatak-SDPC campus. Around 500 flags were distributed to houses and shops and told them to hoist the flag on 13th-15th august. Rally ended by distributing chocolates to all students and faculty members and our rally turned into a successful one.

INDEPENDENCE DAY





Event: Independence Day

Date: 15/08/2022

Day: Monday

Time: 8.30 am to 10.00 am

Participated students: Pharm D. And B.Pharm Student, Shree Dhanvantary School students, Shree Dhanvantary Diploma engineering Students, All Teaching and Non-Teaching Staff

Venue: SDPC Campus, Kim

Description of Event: Independence Day was celebrated with great enthusiasm and patriotic fervour on 15th August, 2022 in the SDPC Campus ground. with the staff, students to mark the 75years of freedom from the British rule. On this special occasion, the programme started with flag hoisting by the Principals of all Colleges and schools Situated in Dhanvantary Campus. The Principal Dr. M.N Noolvi addressed the gathering appealing to their nationalistic spirit and urging them to take pride in being an Indian and fulfilling one's duty with responsibility. He also emphasized the role of youth today as the true wealth of a country. Principal of SDIS has also gave a very motivational and patriotic speech. The programme was ended by singing the national anthem and sweet distribution to all the staffs of college and school.

JANMASHTAMI CELEBRATION





Event: Janmashtami Celebration

Date: 17/08/2022

Day: Wednesday

Time: 11:00am

Participated Students: B.pharm, Pharm D.

Venue: SDPC Campus, Kim

Description of the Event: Janmashtami is celebrated as the birthday of lord Krishna, one of the most powerful and famous reincarnations of lord Vishnu. Students well decorated the college corridor, dressed up Lord Krishna with flutes, peacock feathers and kids came dressed as Lord Krishna. The college was well decorated for the celebration and aarti and bhajans were recited and songs related to janmashtami were played. A pooja was done by our principal, Dr.M.N.Noolvi , all the faculty members , college staff and students. The popular ritual of Dahi-Handi is also celebrated on that day. After aarti, students gathered on campus, did garba and dance. Also, form a human pyramid to break the earthen pot fixed at a height of 10-15 feet from the ground.

ORAL POLIO VACCINATION CAMP





Event Name: Oral Polio Vaccination

Date: 16 /9/2022

Time: 8:30 to 5.30 pm

Location: Shree Dhanvantary Pharmacy College campus

Brief Description of the Event:

The IQAC, NSS Unit of the college had organized Oral Polio Vaccine. The initiative was started with the objective of achieving hundred percent coverage under the Oral Polio Vaccination. It aimed to immunize children through improved social mobilization and plan mop-up operations in areas where poliovirus has almost disappeared and maintains a high level of morale among the public. To create awareness of and importance of polio vaccination among community, Dr. Vikram chauhan (PHC) trained for Polio Vaccination Camp. Around 12 students actively participated in door-to-door camping for the oral polio vaccination. With the support by the management, staff members and students, the program turned a successful one.

A BLOOD DONATION CAMP





Event Name: A Blood Donation Camp

Date: 27/9/2022

Time: 8:30 to 5.30 pm

Location: Shree Dhanvantary Pharmacy College campus

Brief Description of the Event:

The NSS Unit of Shree Dhanvantary Pharmacy College had organized a Blood Donation Camp on the campus, where NSS Co-ordinator addressed the gathering. Blood cannot be manufactured as it only comes from generous donors to save society and mankind. So we should come forward with this noble act of blood donation. Around 35 students & staff members actively participated in the blood donation camp. With the support by the management, and staff-members students, the program turned a successful one.

PHARMACIST DAY





GPS Map Camera



Google

Surat, Gujarat, India

Kim, Nehru Nagar, Navapura Gidc, Kudsad Rd, Nehru Nagar,
Long 72.925630°

Lat 21.397683°

28/9/2022 11:08 AM





Event: Pharmacist Day

Date: 27th & 28th September 2022

Day: Tuesday & Wednesday

Time: 9 am

Participated Students: B.Pharm and Pharm D.

Venue: SDPC Campus, Kim.

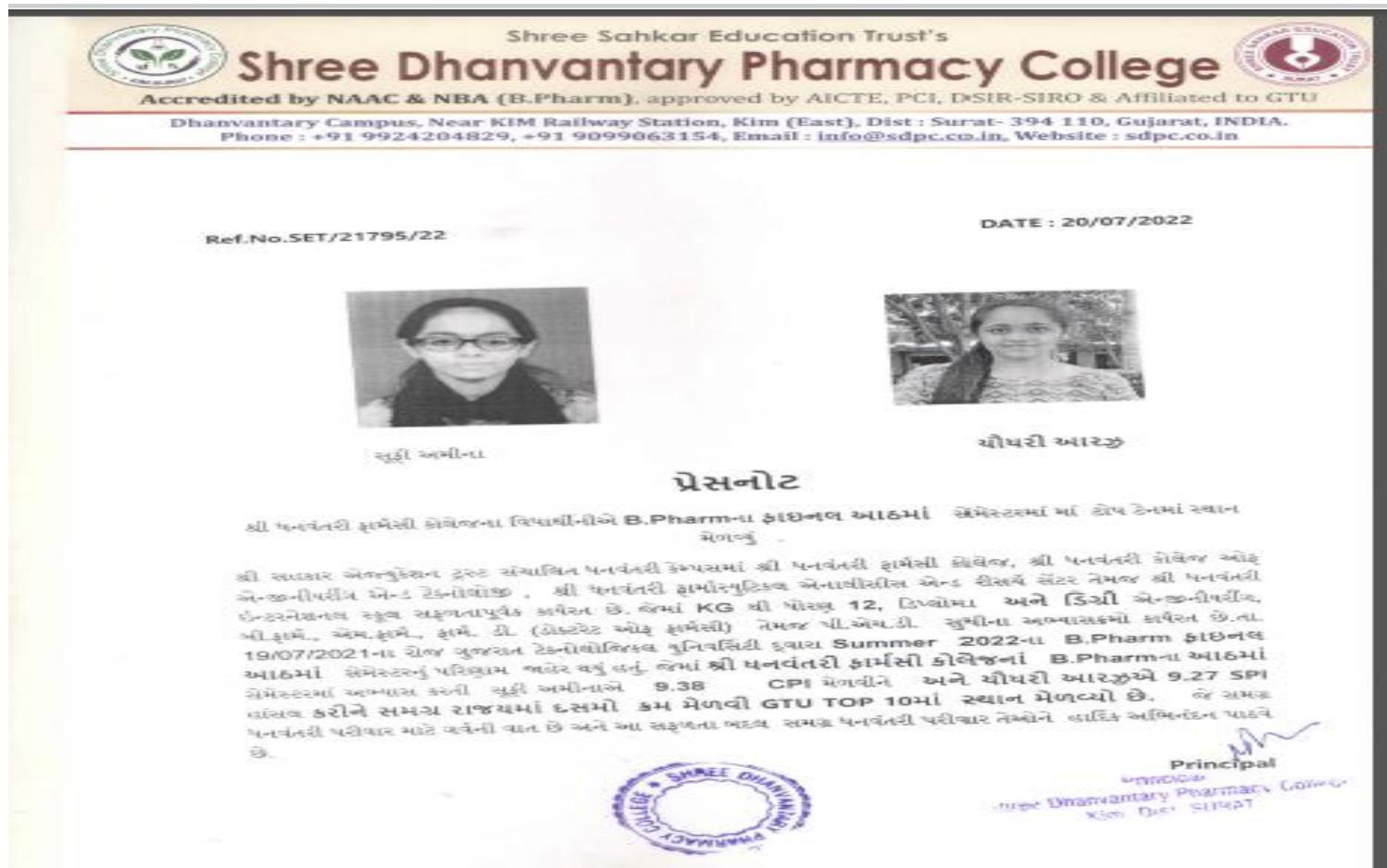
Description of event:

World Pharmacist Day was celebrated at the Shree Dhanvantary Pharmacy College on 25th Sep. 2022 to advocate and appreciate the role of pharmacists in improving health conditions around the world. To celebrate the day's various events like health screening camp, Blood donation camp, poster presentation, rangoli competition, pharma trivia, logo & slogan and debate. students showed great enthusiasm to be a part of the health check-up team and successfully accomplished their goals.

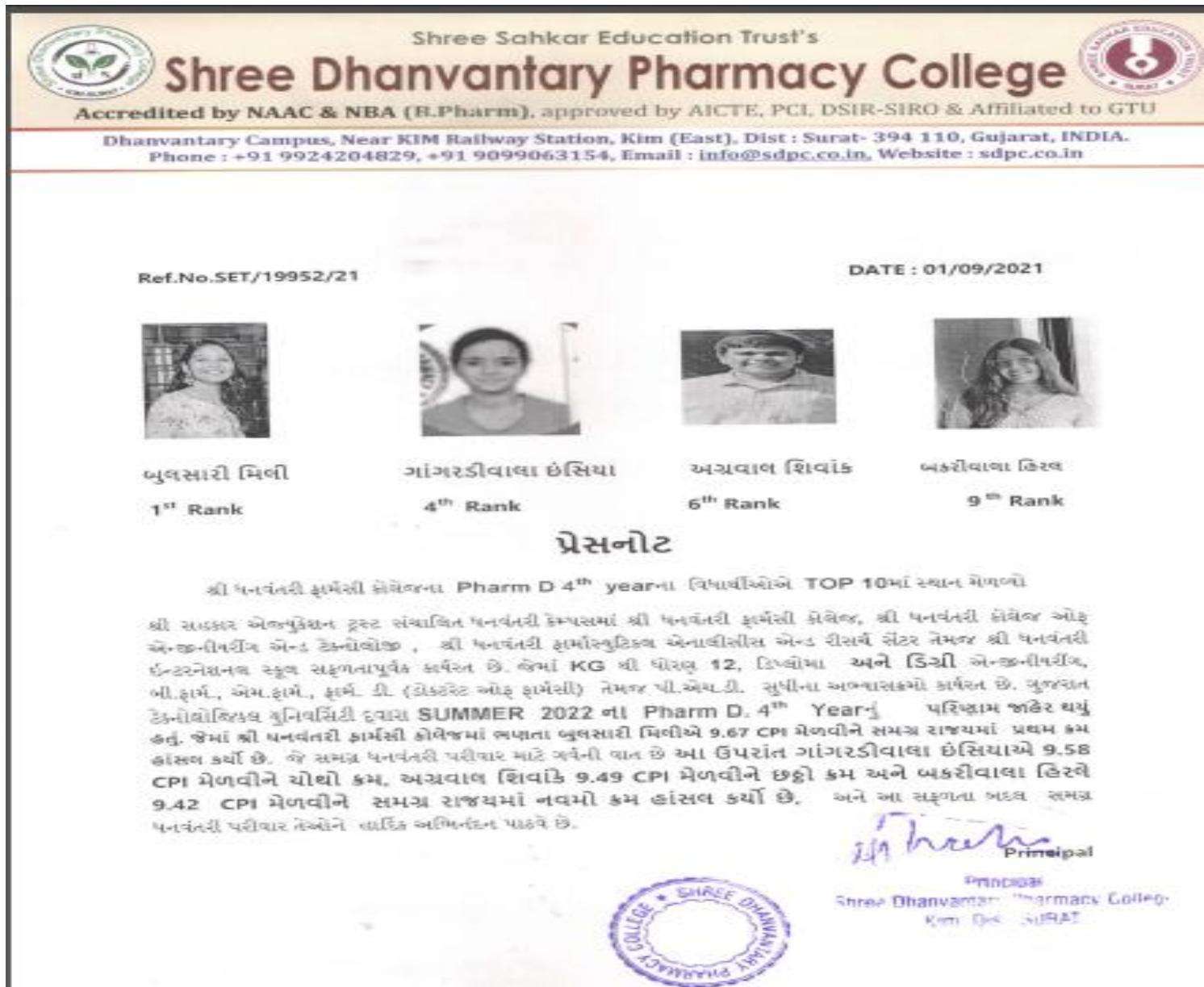
In the poster & rangoli competition which started at 8:30 am, 21 teams participated in that and the winners were screened on the basis of a strong verbal debate and their innovative ideas. All the B.pharm, and Pharm D. students were involved in this event. After that logo & slogan, debate and pharma trivia was organized. At the end of the event all students, teaching staff & principal of SDPC gathered in the seminar hall. Then our principal Dr.M.N.Noolvi sir give a speech on the pharmacist profession and its roles. Then students also gave speeches on pharmacist day. Certificates and medals have been given to all the winners.

ACHIEVEMENT

Name of students	Sufi Ameena AND Chaudhari Arzoo
Department	B.Pharm 8 th Sem
Designation	Students
Title of achievement	GTU Topper(10th rank)



Name of students	Bulsari Milli, Gangardiwala Inshiya, agraval Shivank, Bakriwwala Hiral
Department	Pharm. D 4 th Year
Designation	Students
Title of achievement	GTU Topper(1st , 4th ,6th and 9th Rank)

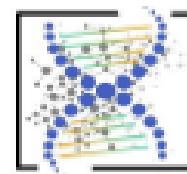


Paper Publication By Faculty

Sr No.	Authors name & title of publication	Journal	Month / Year	Volume	Page no.	DOI	Publisher /ISSN/ISBN No.	Whether Peer Reviewed/ Impact Factor
	Parin Salim Sidat,Malleshappa Noolvi							
1	Parin Salim Sidat, Tasneem Mohamadbin Kasim Jaber, Shwetang Ramesh Vekariya, Arifa Mustak Patel, Malleshappa Noolvi Anticancer Biological profile of some heterocyclic moieties – Thiadiazole, Benzimidazole, Quinazoline and Pyrimidine	Pharmacophore	8/2022	13(4)	59-71	https://doi.org/10.51847/rT6VE6gESu	2229-5402	Peer Reviewed
2.	Parin Sidat, Malleshappa Noolvi, Rahul Patil, Sanket Rathod ULK ½ Inhibitor: Essential Component of Autophagic Cell Death Machinery	Journal of Pharmaceutical Research	8/2022	21(3)	55 - 69	https://doi.org/10.18579/jopcr/v21i3.4	2456-9119	Peer Reviewed
3.	S. Sidat, Janvi V. Shah, Fenio B. Shah, Aishiq H. Ganie In Silico Assessment of Drug like Properties of Some Thiadiazole and Oxadiazole Derivatives as HDAC Inhibitors	Research and Reviews: A Journal of Drug Design and Discovery	8/2022	9(2)	1-12	DOI (Journal): 10.37591/RR JoDD D	2349- 9036	Peer Reviewed

Pharmacophore

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ANTICANCER BIOLOGICAL PROFILE OF SOME HETEROCYCLIC MOIETIES-THIADIAZOLE, BENZIMIDAZOLE, QUINAZOLINE, AND PYRIMIDINE

Parin Salim Sidat^{1,2*}, Tasneem Mohamadbin Kasim Jaber², Shwetang Ramesh Vekariya², Azmin Mahervan Mogal², Aarifa Mustak Patel², Malleshappa Noolvi²

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ABSTRACT

Several five and six-membered aromatic systems with three heteroatoms such as S, O, and N have been intensively researched due to their intriguing pharmacological properties. Heterocyclic compounds are chemicals that allow life to exist. Aside from that, all heteroatoms in the ring interact better with amino acids, and these interactions aid in reducing transactivation, and enhancing lipophilicity, solubility, and absorption, all of which can be exploited to improve therapeutic action. Heterocyclic nucleus 1,3,4-thiadiazole, benzimidazole, quinazoline, and pyrimidine derivatives have shown considerable biological actions such as anticancer, antimicrobial, anti-inflammatory, antidepressant, antioxidant, antifungal, antimicrobial, Carbonyc anhydride inhibitors, anticonvulsant, antibacterial activity, etc. All ring system members play a significant role in the development of novel drugs. In this review, we have highlighted the FDA approved drugs of heterocyclic compound which will pave the way for development of new entities. The current analysis focuses on synthetic derivatives of thiadiazole, benzimidazole, quinazoline, and pyrimidine that have significant anticancer biological effects on several cancer cell lines.

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Introduction

Cancer is a disease characterized by genetic or epigenetic alterations in somatic cells that result in uncontrolled cell growth and spread to other regions of the body. They are one type of neoplasm. The uncontrolled proliferation of cells in a group known as neoplasm or tumor, forms a lump or mass and might be scattered diffusely [1, 2]. Over the last two decades, we have made tremendous progress in our understanding of cancer at the molecular level. This insight has revealed a plethora of interesting new targets for the creation of effective medicines, some of which are already in clinical use [3]. Resistance to existing medications is rapidly becoming a serious global issue. One of the most important topics of research today is the development of novel chemicals to combat resistance [4]. Because of their activity in a variety of diseases, heterocyclic compounds are regarded as one of the most important types of organic chemicals employed in a variety of biological domains. The heterocyclic ring is found in many biological compounds, including DNA and RNA, chlorophyll, hemoglobin, vitamins, and many others [5]. Heterocyclic compounds are cyclic compounds that contain oxygen, nitrogen, and sulfur in the ring surrounding the carbon atom. In this review, we discussed the role of various heterocyclic rings as anti-cancer drugs, such as



Review Article

ULK1/2 Inhibitor: Essential Component of Autophagic Cell Death Machinery

Parin Sidat^{1,2,*}, Malleshappa Noolvi², Rahul Patil³, Sanket Rathod⁴¹Ph. D. Scholar, Pharmacy Branch, Gujarat Technological University, Ahmedabad, Gujarat, India²Department of Pharmaceutical Chemistry, Shree Dhanvantary Pharmacy College, KIM, 394110, Gujarat, India³Department of Pharmaceutics, Shree Dhanvantary Pharmacy College, KIM, 394110, Gujarat, India⁴Department of Pharmaceutical Chemistry, Bharati Vidyapeeth College of Pharmacy, Kolhapur, 416 013, India

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Parin Sidat

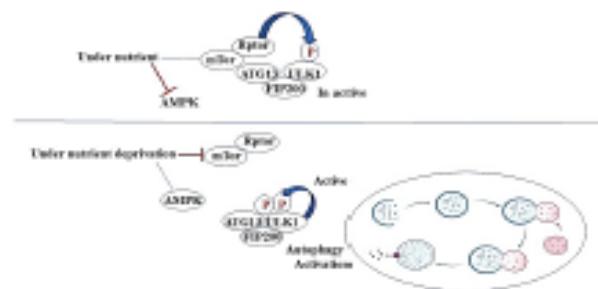
parinsidat12@gmail.com

<https://doi.org/>

10.18579/jopcr/v21i3.4

ABSTRACT

The effectiveness of selective drug therapy for cancer patients has gained much attention from academics and society. However, the rapid development of the drug resistance gained is becoming a significant challenge. As an essential catabolic and homeostatic process, autophagy plays a vigorous role in the degradation or recycling of proteins and cellular components, by which eukaryotic cells recycle or degrade their internal constituents through the machinery of membrane trafficking. Therefore, under traumatic conditions autophagy provides the cells with a safe supply of biomolecules and energy to maintain homeostasis. Deregulation of autophagy pays to tumor genesis, tumor-stromal interactions, and resistance to cancer therapies. Outcome of these interactions between plants and viruses, autophagy performs a vital role in regulating immune-related cell death, antiviral defense, and viral pathogenesis. This study explores the role of autophagy in drug resistance by identifying the mechanism by which autophagy is elaborate in drug resistance, focusing on its mode of action and validation as a potential therapy.



Keywords: Autophagy mechanism; Cancer; ULK1/2 inhibitors



In Silico Assessment of Drug like Properties of Some Thiadiazole and Oxadiazole Derivatives as HDAC Inhibitors

Parin S. Sidat^{1,*}, Janvi V. Shah¹, Feni B. Shah¹, Aishiq H. Ganie¹

Abstract

Purpose: To investigate in silico the drug-like properties of some thiadiazole and oxadiazole derivatives as HDAC inhibitors. Methods: We used Chemdraw Ultra 11.0 to redraw all chemical structures. Furthermore, some applications, such as Bio-Loom for Windows - version 1.5, Molinspiration Property Calculator, and ACD/I-LAB, were used to forecast the drug-like properties of thiadiazole and oxadiazole derivatives, including relative molecular mass (MW), partition coefficient log P (cLog P), number of hydrogen bond donors (HBD), number of hydrogen bond acceptors (HBA), topological polar surface area (TPSA), number of rotatable bonds (NROTB). Furthermore, Lipinski's rule was utilized to assess druglike qualities. We also investigated the biological activity of drugs. Results: Based on research work, we find out the MWs, HBD, HBA and clogP of the proposed compound are respectively <500, <5, <10, and <5. Additionally, the TPSA score for each compound was 140>2 and NROTB score was >10, so we also got a bioactivity score in the range of >0.00, which indicates a good active molecule. Conclusion: All of the proposed compound has good drug-like characteristics and have shown good oral absorption and bioavailability. The findings also imply that these compounds could be turned in to novel oral HDAC inhibitors for cancer treatment.

Keywords: Thiadiazole, oxadiazole, HDAC inhibitors, Drug likeness properties and biological activity.

INTRODUCTION

The idea of druggability has recently been popularized to suggest that biological molecules' binding sites are complementary to their ligands in terms of volume, topology, and physicochemical qualities [1]. The concept of druggability analyzes the probability of small, drug-like molecules binding to specific proteins with enough potency to alter their activity. Furthermore, it was discovered that approximately 30% of oral medications fail in development due to insufficient pharmacokinetics research [2]. Drug development has been stopped due to its pharmacokinetic properties. Furthermore, the lack of efficacy could be attributable to the drug candidate's weak physicochemical qualities.

**WORKSHOP /SEMINAR /WEBINAR /FDP
ATTENDED BY FACULTY**

NAME OF FACULTY	TITLE	NAME OF EVENT
Prajapati Nehaben Gunvantbhai	Two days Refresher Course for registered pharmacist held at Participated Shree Naranjibhai Patel College of Pharmacy, Umrakh, sponsored by Gujarat State Pharmacy Council, Ahmedabad.	Two days Refresher Course





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oct-dec 2022
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Prof. Kuei-Hsien Chen
PhD (Harvard University, USA)
Research Fellow & Deputy Director, Institute of Atomic & Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan.

FRESHER'S DAY CELEBRATION

YOU ARE INVITED TO **FRESHER'S ATRAXIA 2022**

Guys in Ties & Girls in Pearls

MONDAY

3RD
OCTOBER

2022

9 AM ONWARDS

DR.M.N.NOOLVI

Professor and Principal
M.Pharm, PhD

DR. PALLAVI K.J

PharmD Head
M.Pharm, PhD

DR. MANISH GOYANI

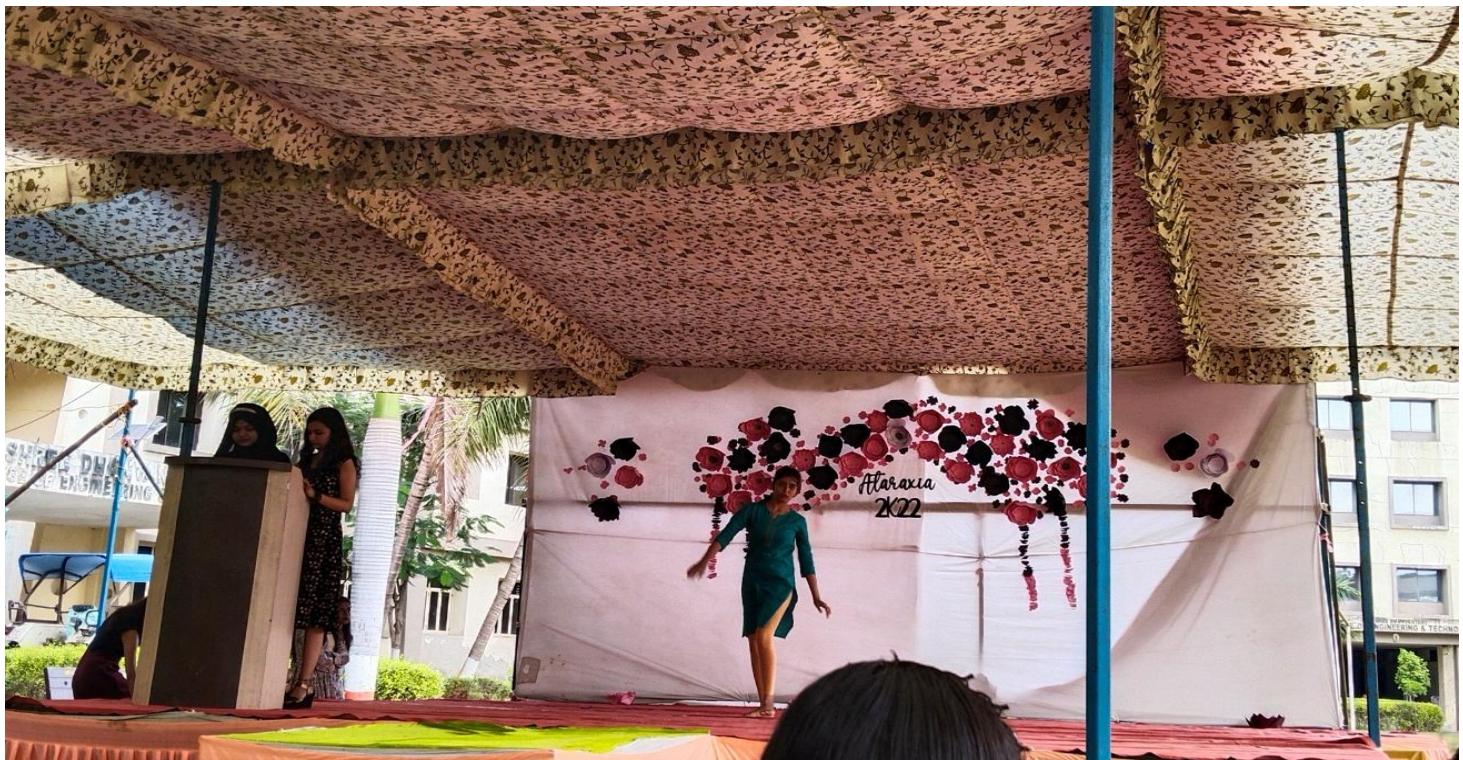
Academic Head
M.Pharm, PhD

Will make the Event more Auspicious with their
presence as Chief Guests.

Venue: SDPC Campus

Presented by 3rd Year B.Pharm & PharmD

 [@the.nuance.media](https://www.instagram.com/the.nuance.media)





Event: Fresher's Day Celebration

Date: 03/10/2022

Day: Monday

Time: 9:00am - 1:00pm

Participated Students: B.pharm, Pharm D.

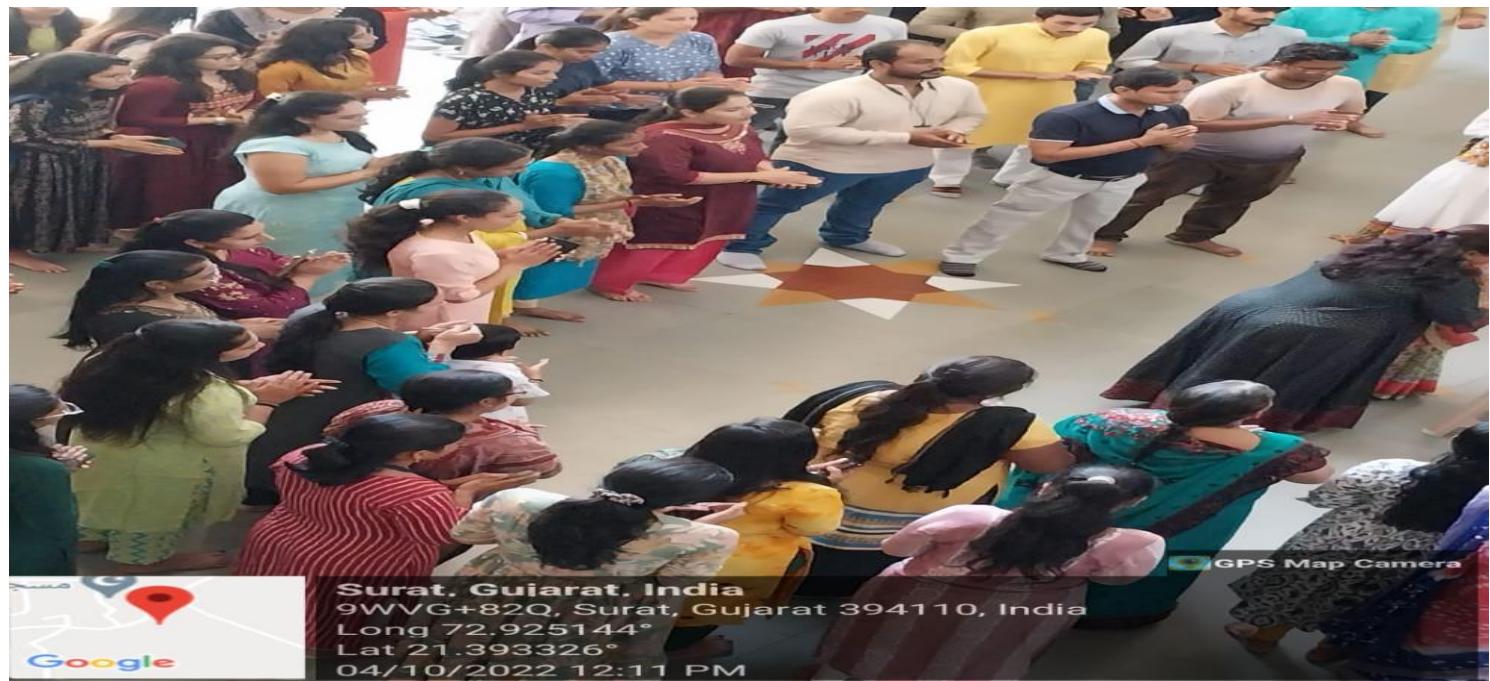
Venue: SDPC Campus, Kim

Description of the Event:

The purpose of Fresher's Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. Students of First Year (batch:2021-22)- B.pharm and Pharm D. students were welcomed in this party which was organized by Student's in the SDPC Campus at 9AM.

The program started with inaugural speech by Honorable Principal, Dr. M.N.Noolvi . The program was hosted by Ms. Jahnavi verma and Delair Mumtaj student from Pharm D. & B.pharm 3rd year . Freshers got chance to showcase their talent by a stunning Ramp walk, various Dance performances like solo and Group dances. The audiences enjoyed the performances and they encouraged the participants by making hooting sounds. At the end of programme Mr. and Ms. Freshers were finalized. There was a tough competition among the freshers as they all were amazing! From Pharm D. Mr. Mihir pandya , Ms. Mansa Parmar and from B.pharm Mr. Abhisek Poshiya and Ms. Siddhi Patel were chosen as the Mr. and Miss Fresher, respectively. Refreshments were served in after the program.

NAVRATRI CELEBRATION





Event: Navratri Celebration

Date: 04/10/2022

Day: Tuesday

Time: 11:30am – 3:00pm

Participated Students: B.pharm, M.pharm, Pharm D.

Venue: SDPC Campus, Kim

Description of the Event:

Navratri is a Hindu festival celebrated in the autumn every year. It is observed for various reasons and celebrated differently in various parts of the Indian subcontinent. In Gujarat, Navratri is a community event, where people perform Garbas on devotional songs that are popular by the names of 'Dandiya Raas' and 'Garba Raas', and perform Jaagran (waking through the night), to please the Goddess. Students have organized Navratri Celebration on 04th October,2022 between 11.30 am to 03.00 pm which was co-ordinated by cultural co-ordinator . The celebration started by offering prayers to Goddess Navdurga and then by performing the traditional dance form Garba. All the Students, Faculty and Staff Members were invited to attend the event. The event was well attended by all the enthusiastic students, faculty and staff members in traditional grooming. All of them celebrated the day with joy and cheer. It was a colorful event with teachers joining the students enthusiastically in their dance.

“CONSTITUTION DAY”
(READ THE PREAMBLE &



GOVERNMENT OF INDIA
MINISTRY OF
PARLIAMENTARY AFFAIRS
संसदीय विवरण



CERTIFICATE
OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Surati Jahanvi

for participating in the 'Online Quiz on India - the Mother of Democracy'

Dated : 24 November, 2022


Secretary
Ministry of Parliamentary Affairs
Government of India



Event: “Constitution Day” (Read the Preamble & Quiz Competition)

Date: 24 November 2022

Day: Thursday

Participated: B.Pharm and Pharm D. Students, Faculty Members

Venue: Online Platform.

Description of The Event:

The NSS unit of Shree Dhanvantary Pharmacy College organized read the Preamble and Quiz Competition regarding Constitution Day in “Azadi Ka Amrit Mahotsav.” Informed the students and all faculty members regarding active participation in reading the Preamble and Quiz Competition for the Constitution day celebration. Circulate the link for the read Preamble and quiz competition. Students and all faculty members also show very good interest in this Constitution Day celebration

ACHIEVEMENT

Name of faculty	Gohil Chirag
Department	Pharmaceutical Chemistry
Designation	Faculty
Title of achievement	PhD Aworded

Shree Sahkar Education Trust's
Shree Dhanvanyar Pharmacy College

Accredited by NAAC & NBA (B.Pharm), approved by AICTE, PCI, DSIR-SIRO & affiliated to GTU

Dhanvanyar Campus, Near KIM Railway Station, Kim (East), Dist : Surat- 394 110, Gujarat, INDIA.
 Phone : +91 9924204829, +91 9099063154, Email : info@sdpc.co.in, Website : sdpc.co.in

Ref.No.SET/22853/22

DATE : 29/11/2022



પ્રેસનોટ

શ્રી ધનવંતરી શાસ્ત્રીય કોલેજના શ્રી ચિરાગ ગોહિલ Ph. D. દ્વારા

શ્રી સહકાર એજ્યુકેશન ટ્રસ્ટ સંયોગિત પનવંતરી કોહિલ, શ્રી પનવંતરી કોહિલ અંડ એન્જીનીયરિંગ એન્ડ ટેકનોલોજી, શ્રી પનવંતરી ફાર્માસ્યુટિકલ એનાલાય્નીસ એન્ડ રિસર્ચ સેન્ટર તેમજ શ્રી પનવંતરી ધનવંતરેશનાના ટ્રફ સાફટાર્વાર્ક કાર્યરત છે. જેમાં KG વી પારસા 12, ડિસ્પોનિબિલિટી એન્જીનીયરિંગ, બિટ્કાર્ટ, એમ કર્મ, ફાર્મ. ડી. (લોકર્સન બોફ કાર્મસી) તેમજ પી.ફાર્મ.ડી. સુધીના અભ્યાસક્રમો કાર્યરત છે. શ્રી પનવંતરી કાર્મસી કોહિલ ના પ્રિન્સિપાળ ડૉ. એમ. એન. નુલ્લીના માર્ગદર્શન શ્રી ચિરાગ ગોહિલને **Pharmaceutical Chemistry** વાયામાં "Design and Synthesis of MDM2 Inhibitors to Reactivate P53 Function" વિષય પર Ph. D. ધ્યાયા પર અને તેમને આ ડિગ્રી દ્વારા GUJARAT TECHNOLOGICAL UNIVERSITY, Ahmedabad દ્વારા ઘેરાયાની કરવામાં આવી છે. જે શ્રી સહકાર એજ્યુકેશન ટ્રસ્ટ સંયોગિત શ્રી પનવંતરી કોહિલ માટે ખૂબજ ગર્વની વાત છે. આ સમય સફળતા બદલ સમય પનવંતરી પરિવાર શ્રી ચિરાગ ગોહિલને અને તેમના માર્ગદર્શક ડૉ. એમ. એન. નુલ્લીને કાંઈ અભિનંદન બાપવામાં આવે છે.



Principal
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Name of faculty	Dr. M.N.Noolvi, Dr. Uttam More
Department	Pharmaceutical Chemistry
Designation	Faculty
Title of achievement	Patent Granted

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Ref.No.SET/22906/22

DATE : 03/12/2022



Dr. M.N. Noolvi



Dr. M.N. Noolvi



Dr. Uttam More

प्रेसनोट

श्री पनवतरी कार्परिक टोकिंग-ए. नामे पेटन ग्रान्ट थઈ.

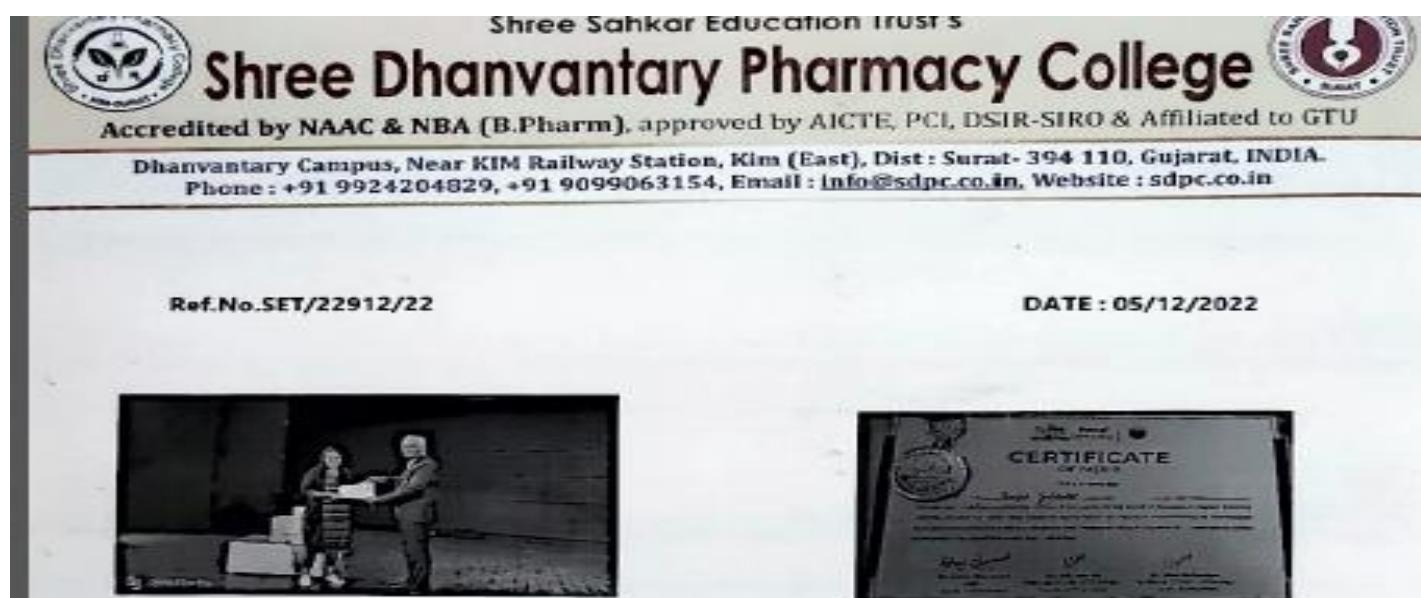
श्री सकार एज्युकेशन ट्रस्ट संयाचित पनवतरी कॉलेज, श्री पनवतरी कार्परिक टोकिंग, श्री पनवतरी कार्परिक एन्जिनियरिंग एन्ड टेक्नोलॉजी, श्री पनवतरी कार्मस्युटिकल एनालिसीस एन्ड रीसर्च सेटर तेमજ श्री पनवतरी छन्द्रनेशनल स्कूल संकलनापूर्वक कार्यरत उ. चैम्ब. कॉ. वी. पोल्यू. 12, (डिलोमा अने डिग्री एन्जिनियरिंग, बी.डा.एम., एम.डा.एम., डा. (डोक्टरेट एड्ड कार्परिक) तेमज पी.सी.ए.डी. सुपीला अभ्यासक्रमी कार्यरत उ. ता. 01/12/2022 नां रोज़ श्री पनवतरी कार्परिक टोकिंगने पेटन "NEW BENZOTIAZOLE COUMARIN DERIVATIVES. A PROCESS AND USES THEREOF" अनं तर्यामां आवी. चैना शोपकर्ता श्री पनवतरी कार्परिक टोकिंगना प्रिन्सिपाल डॉ. एम. एन. नूल्वी, टोकिंगना एसोसिएट प्रोफेसर डॉ. उत्तम एरोड अने श्री कृष्ण पटेल उ. आ पेटन डेन्सर ट्रोटमेट माटे उपयोग घनार थे. उ. श्री सकार एज्युकेशन ट्रस्ट संयाचित श्री पनवतरी कार्परिक टोकिंग माटे घुब्बज गवळी वात उ. आ समाज सङ्गता नक्कल समग्र पनवतरी पारिवार नेघोने कार्डि अलिंगन आपवामा आवे थे.



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Name of faculty	Mrs Pranjal Gujarathi
Department	Pharmacology
Designation	Faculty
Title of achievement	1st Rank For Oral Presentation



પ્રેસનોટ

શ્રી પ્રેરણી કુમારી નોંધના શ્રીમતિ પ્રાણ્ય ગુજરાયીને BRNS સ્પોન્સર ~ One Day National Symposiumની Oral Presentationની પ્રેરણ કરું માટે આપ્યો.

શ્રી સહકાર એજયુકેશન ટ્રસ્ટ સંયાખ્યિત પનવંતરી કેમ્પસમાં શ્રી પનવંતરી ક્રાર્પસી કોલેજ, શ્રી પનવંતરી કોલેજ ઓક્સન્ફરન્નિયર્સટીનું એન્ડ ટેક્નોલોજીનું, શ્રી પનવંતરી ક્રામાન્તિક્યુટિવ એન્નાનીસીસ એન્ડ રીસર્ચ સેન્ટર તેમજ શ્રી પનવંતરી ઇન્સ્ટ્રુમેન્ટનાં સુધી સર્કુલરપુર્વક કાર્બિન છે. જેમાં KG બી વોરસ 12, ડિલ્લોમા અને ડિગ્રી એન્ન્ફરન્નિયર્સટીના, બી.ટી.ફાફ., એમ.ફા.પ., ડાર્મ. ડી. (ડાયરેક્ટ એન્ડ ક્રાર્પસી) તેમજ પી.એચ.ડી. સુર્યોના અભ્યાસક્રમો કાર્બિન છે. તા. 02/12/2022 નું રોજ બ્રિન્સ (Board of Research in Nuclear Science) સ્પેન્સર્ડ "One Day National Symposium" નું આપોઝન પરાવ ચુનિવર્સિટી, વડોદરા પાણે કરવામાં આવ્યું છુટ. જેમાં શ્રી પનવંતરી ક્રાર્પસી કોલેજના શીર્ષકતા પ્રાંતવિશ્વાદીને "Preclinical Toxicity Study of Unlabeled Thulium – EDTMP Complex" ટાઇટલ ઉપર ઓરલ પ્રેસેન્ટેશનમાં પ્રયત્ન કર્મ મેળવ્યું છે. તેમોને ઉપરોક્ત પ્રેસેન્ટેશન શ્રી યનકાંતરી ક્રાર્પસી કોલેજના પ્રાફિસર ડૉ. પણલાંબી કે. જે.નાં માર્ગદરશન હેઠળ આપ્યું છુટ. જે શ્રી સહકાર એજયુકેશન ટ્રસ્ટ સંયાખ્યિત શ્રી પનવંતરી ક્રાર્પસી કોલેજ માટે પુસ્તક જરૂરની વાત છે. આ સમગ્ર મફાળના બદલ સપ્રત્ય પનવંતરી પરિવાર તેમોને કાર્ડ અનિનદ્ય આપવામાં આવે છે.




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Sri Sri Dhanvantary Pharmacy College
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Name of students	Tiwari Anjali, Parmar Mansha, Chauhan Vishakha, Maudh Shakshi, Dindolivala Aneri, Chawada Niyati, Pandya Mihir
Department	Pharm. D 1 st Year
Designation	Students
Title of achievement	GTU Topper(1 st , 3 rd , 4 th 5 th , 6 th and 7 th and 8 th Rank)


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Ref.No.SET/22622/22

DATE : 10/10/2022

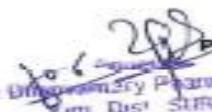
1st Rank3rd Rank4th Rank5th Rank6th Rank7th Rank8th Rank

પ્રેસનોટ

શ્રી ધનવંતરી ધર્મસ્થી કોલેજના Pharm D First year-ના સાત વિદ્યાર્થીનોને TOP 10માં સ્થાન મેળવ્યો

શ્રી ધનવંતરી ધર્મસ્થી કોલેજના ટ્રાન્સ્ફર સંગ્રહિત પનવંતરી કેમ્પસમાં શ્રી ધનવંતરી ધર્મસ્થી કોલેજ, શ્રી ધનવંતરી ધર્મસ્થી કોલેજ ઓફીસ એન્ટ્રેન્નીપરીંગ એન્ડ ટ્રેન્નિંગ કેન્દ્ર એન્ડ રિસર્ચ સેન્ટર નેમજ શ્રી ધનવંતરી ટાઇપસ્ટેન્યુન્ન સ્કૂલ મહાત્માગાંધીજી ક્લારિક કે. લેનાં KG વિધાન પોરટ 12, પાલબોંા અને ડિસ્પ્લે એન્ટ્રેન્નીપરીંગ, બી.સ્ટેટ., એમ.સ્ટેટ., હાની. વી. (ડિક્રેટ ઓફીસ સ્કૂલોફીલી) નેમજ પી.એચ.ડી. સુધીના અન્યાસક્રમો કરીએલ કે. ચુક્કરાન ટેક્નોલોજીકલ યુનિવર્સિટી દ્વારા SUMMER 2022 ના Pharm D. First Yearનું પરિણામ જાહેર થયું હતું. જેમાં શ્રી ધનવંતરી ધર્મસ્થી કોલેજમાં ભાગતા તિવારી અંજલીને 10 માંથી 10 CGPA મેળવીને અમૃત રાજ્યમાં પથ્યમ કમ કાંસલ કર્યો છે. જે અમૃત ધનવંતરી ધર્મસ્થી પરીક્ષાર અને અંગ્રેજી વાગ કે. આ પ્રારંત પરમાર મંશાને 9.81 CPI મેળવી, જીજી કમ, શ્રીકાયા વિશાળાને પણ 9.81 CPI મેળવી જીજી કમ, ગોઢ સાધીને પણ 9.81 CPI મેળવી પણ કમ, ડિકોલિવાલા અનેરીને 9.81 CPI મેળવી જીજી કમ, ચાવડા નિયતિને 9.81 CPI મેળવીને સાતમો કમ અને પંડ્યા પ્રિલિને 9.81 મેળવી આન્ધમો કમ કાંસલ કર્યો છે. આ રફન્ના બદલ રામત્ર ધનવંતરી ધર્મસ્થી




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Paper Publication By Faculty

Sr No.	Authors name & title of publication	Journal	Month / Year	Volume	Page no.	DOI	Publisher /ISSN/ISBN No.	Whether Peer Reviewed/ Impact Factor
1.	Merin Sara Philip Honey Rajubhai Patel, Khushi Pankaj Bhakta, Shivani Bharatbhai Patel, Pritkumar Kalpeshbhai Dhamesha, Dr. Gaurav Raiyani Perceive the practice of Intravenoious-To-Oral Conversion of Antibiotics and to scrutinize its influence on the length of Hospital Stay : A Prospective Observational Study	Indo American Journal of Pharmaceutical Research	11/2022	12(11) 651-	662	10.5281/zenodo.7360259	2231-6876 Peer	Reviewed

Indo American Journal of Pharmaceutical Research, 2022

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INDO AMERICAN JOURNAL OF PHARMACEUTICAL RESEARCH



"PERCEIVE THE PRACTICE OF INTRAVENOUS-TO-ORAL CONVERSION OF ANTIBIOTICS AND TO SCRUTINIZE ITS INFLUENCE ON THE LENGTH OF HOSPITAL STAY: A PROSPECTIVE OBSERVATIONAL STUDY"

Honey Rajubhai Patel¹, Khushi Pankaj Bhakta, Shivani Bharatbhai Patel, Pritkumar Kalpeshbhai Dhamesha, Dr. Merin Sara Philip, Dr. Gaurav Raiyani
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 Site-Directed Therapy
 Minimize Financial Burden
 Length of Hospital Stay

ABSTRACT

Background: Development of antibiotic resistance is an increasing global concern, for which several authorities have developed some programs. Antimicrobial stewardship program is developed to contain the unnecessary use of antibiotics which can reduce antibiotic resistance. To do so, AMSP have developed several strategies. One such strategy is called intravenous-to-oral conversion of antibiotics. **Objectives:** The study was aimed to determine different IV-to-PO conversion methods, in accordance with antimicrobial stewardship program, to find the influence of conversion on the length of hospital stay. **Approach:** To compare the cost of intravenous and oral antibiotics, identifying which one is economical and more convenient for the patient. **Approach:** A prospective observational study was conducted for 200 patients at a secondary care hospital in Surat from October 2021 to March 2022. Patients who were hospitalized for 24 h and administered with IV antibiotics were included in the study. Results: Out of 200 patients, 161 (80.5%) were converted to IV-to-PO and 39 (19.5%) were not converted. It was found that 62 (41%) patients were prescribed antibiotics as prophylaxis therapy, 26 (13%) were given empirical therapy, and 92 (46%) had documented infections. A total of 470 antibiotics were prescribed during the study, in which most prescribed antibiotics were cephalosporins (231) (49.1%). LOS for patients who converted from IV-to-PO was 1.43 days longer than that of the converted cases. The LOS for patient converted from IV-to-PO was significantly shorter ($p=0.05$) than those who were not converted. **Conclusion:** A conversion from IV-to-PO regimen converted for single therapy was 1.43 days (77.54%). Conclusion: A conversion with reducing the duration of antibiotic resistance, timely and appropriate switching of antibiotics from IV-to-PO route could reduce the length of hospitalization and economic burden of the patient. It will also eliminate IV line infections. So this strategy should be promoted and implemented. Future research is recommended.

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