

## SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, UMRAKH

### National Webinar Report

**Date: Thursday, 30 July, 2020.**

**Topic: “In Silico Drug Design Methods: A Catalytic Tool for Acceleration of COVID-19 Research”.**

**Resource Person – Mr. Ashish Shah.** Assistant Professor, Department of Pharmacy, Sumandeep Vidyapeeth, Vadodara, Gujarat.

**No. Of Participants: 550**

#### **Summary of Session:**

With a growing concern about the impact of COVID-19, IIC and IQAC of Shree NaranjibhaiLalbhai Patel College of Pharmacy, Vidyabharti Trust, Umrakhorganized a National Level webinar on - “**In Silico Drug Design Methods: A Catalytic Tool for Acceleration of COVID-19 Research**”.The event started at 2:00 PM with a welcome speech by Dr. Dipansu Sahu, Associate Professor, SNLPCP, UMRAKH. He welcomed the speaker of the event Mr. Ashish Shah, Assistant Professor, Department of Pharmacy, Sumandeep Vidyapeeth, Vadodara, Gujarat and Dr. Dhiren P. Shah – Principal of SNLPCP, Faculties and Participants of the event.

The Honorable Speaker Mr. Ashish Shah explained the various steps used for In Silico drug design methods. He explained in a very simple way how In-silico drug design skills are used in nanotechnology, molecular biology, biochemistry etc. The main benefit of the In-silico drug design is cost effective in research and development of drugs. He discussed various wide ranges of software that are used in In Silico drug design i.e, Grid computing, window based general PBPK/PD modeling software, PKUDDS for structure based drug design, APIS, JAVA, Perl and Python, in-silico drug design as well as software including software libraries. Also Sir has explained different techniques used in in-silico drug design i.e, visualization, homology, molecular dynamic, energy minimization molecular docking and QSAR etc. He described very well how Docking and pharmacophore methodologies are most commonly used for virtual screening in drug design.

The presentation was very wonderful, eye catchy and faithful thought provoking. At the end of session various queries were put forward by the participants. Mr. Ashish Shah, explained very well the questions of participants regarding In Silico drug design.

To conclude the session, Dr. Hemal Bhuva showed his gratitude and appreciation to Mr. Ashish Shah for his valuable time. SNLPCP is thankful to Mr. Ashish Shah - Speaker and Mr. Bhavesh Patel for his technical support to enlighten our paths in direction of knowledge even during the lockdown period.

The teaching faculties of SNLPCP and 550 participants attended the session. At last, we had taken feedback form from participants and got 430 responses.



# IIIC AND IQAC OF SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, VIDYABHARTI TRUST, UMRACH



Organizes

## National Webinar on Insilico Drug Design Methods : A Catalytic Tool for Acceleration of COVID-19 Research

Date: 30/07/2020 | Time: 02:00 PM

Program Co-ordinator

Dr. Dipansu Sahu  
Mo.:97269 84075



**Mr. Ashish Shah (M. Pharm)**

Assistant Professor, Department of Pharmacy,  
Sumandeep Vidyapeeth,  
Vadodra, Gujarat.

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Di. Surat, Pin: 394601

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, UMRACH

### PHARMACOPHORE APPROACH

**Pharmacophore:**  
The Spatial orientation of various functional groups or features in 3D necessary to show biological activity. This arrangement can be derived in a ligand-based approach or in a structure-based manner.

**Pharmacophore Features:**

- HB Acceptor & HB Donor
- Hydrophobic
- Hydrophobic aliphatic
- Hydrophobic aromatic
- Positive charge/Pos. Ionizable
- Negative charge/Neg. Ionizable
- Ring Aromatic

M.Pharm. in-Pharmaceutics, Pharmacology and Quality Assurance

Web : [www.njpcp.ac.in](http://www.njpcp.ac.in)  
Mo : 94274 71602, 90890 63168

Top chat

- neena sahyi good afternoon to all
- Shin Chan good afternoon to all
- dheval patel Good afternoon to all
- KE Society's College of Pharmacy -SNLPCP478 PROF RAVINDRA G. MALL...GOOD NOON TO ALL
- Abhinavkumar Sahu excellent topic sir
- Vidhi Kothari good afternoon everyone
- Pransh Padhy very nice session sir
- Vaibhav Gulhane [message retracted]
- Vaibhav Gulhane good afternoon to all
- Priyanka Raghunath good afternoon
- Chaitali Lad good afternoon, Chaitali Chintan Mishra from Dr. Dayanand Patel Pharmacy College, Bardoli
- Chaitali Lad very nice session Sir
- Hareal Thura

