One day webinar on

Recent Advance in Drug Design: State of the Art Tools for Drug Design and Drug Discovery

scheduled on **23rd June 2020**

Organized by

Pharmacy Education Unit, Department of Pharmaceutical Chemistry,

JSS College of Pharmacy, Ooty

In Association with **Schrodinger, Bangalore, India**

A Brief Report

One Day webinar on **" Recent Advance in Drug Design: State of the Art Tools for Drug Design and Drug Discovery "** was conducted on **23rd June 2020** by JSS College of Pharmacy, Ooty in association with Schrodinger LLC, Bengaluru.

The workshop was inaugurated by **Dr. S. P. Dhanabal,** Principal, JSSCP, Ooty and patron of webinar. **Dr. S. Ponnusankar,** Professor and Co-convenor delivered the welcome address. **Dr. Md. Afzal Azam,** Professor& Head and Convenor highlighted the importance of computational chemistry tools in modern day to day research and genesis of the workshop. **Dr. R. Raghu**, Vice President, Schrodinger LLC, Bengaluru briefed about the importance of computational tools in the modern drug discovery.

Earlier, prior to the first session at 11:00 AM, **Dr. R. Kalirajan,** Organizing Secretary introduced the first speaker **Dr. Pritesh Bhat,** Senior Scientist - Applications, Schrodinger LLC., Bengaluru and followed by the presentation on "**Recent Advance in Drug Design"** covering ligand preparation, protein modeling, homology modeling, different docking tools and methods, interpretation of docking results was delivered.

At 12.15 pm, the next speaker **Dr. Prajwal Nandekar** Senior Scientist - Applications, Schrodinger LLC., Bengaluru was introduced by **Dr. S. Jubie**, Asst. Prof, Dept. of Pharm Chemistry and followed the presentation on topic "Molecular Dynamics Simulation: Applications in Drug Discovery" was delivered.

After lunch break, the next presentations at 2.30 pm was given by **Dr. Pritesh Bhat,** Senior Scientist - Applications, Schrodinger LLC., Bengaluru, on topic "**Advanced Drug Design Tools – WaterMap, FEP+ And Machine Learning Tools"**.

At 3.30 pm the last speaker of the webinar **Mr. Vinod Devaraji,** Senior Scientist, Schrödinger LLC, Bengaluru was introduced by **Dr. B. Gowramma,** Asst. Prof**,** Dept. of Pharm Chemistry, and presentation on topic **"Ligand Based Drug Design Approaches - Pharmacophore, 3D-QSAR, Auto QSAR"** was delivered the session was continued up to 4.30 pm.

After the completion of each session, **Ms. Shelvia Malik**, Accounts Manager and Business Development Officer, Schrodinger LLC, Bangalore coordinated about the Question and Answer session and clarified the queries asked by the delegates.

A total of 2128 delegates have registered from various countries such as India, United States of America, Saudi Arabia, Bahrain, Hong Kong etc. More than 50% of delegates are senior faculty, and research scholars from various discipline like Bioinformatics, Biotechnology, Pharmacology and Pharmaceutical Chemistry.

Dr. Gomathi Subramanian, Asst. Professor, Dept. of Pharm Chemistry, proposed the vote of thanks.

Herewith we take this opportunity to thank, JSS AHER, Mysuru and especially Dr. Ravindra and his team for their IT support for the smooth conduct of this webinar through ZOOM and Mr. C. Jayakumar, Asst. prof and Mr. Gautham, from JSSCP, Ooty for their technical support to organize the webinar successfully..

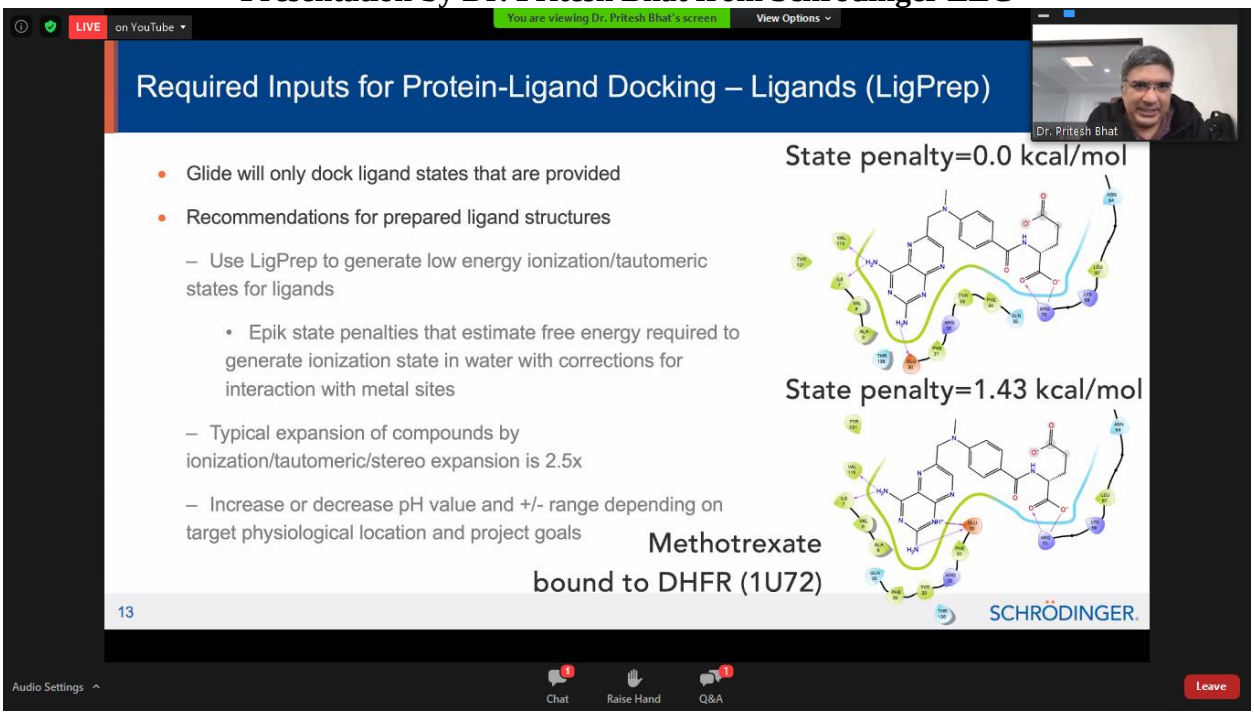
Thanking You

1. **Dr. Md. Afzal Azam** (Convenor)

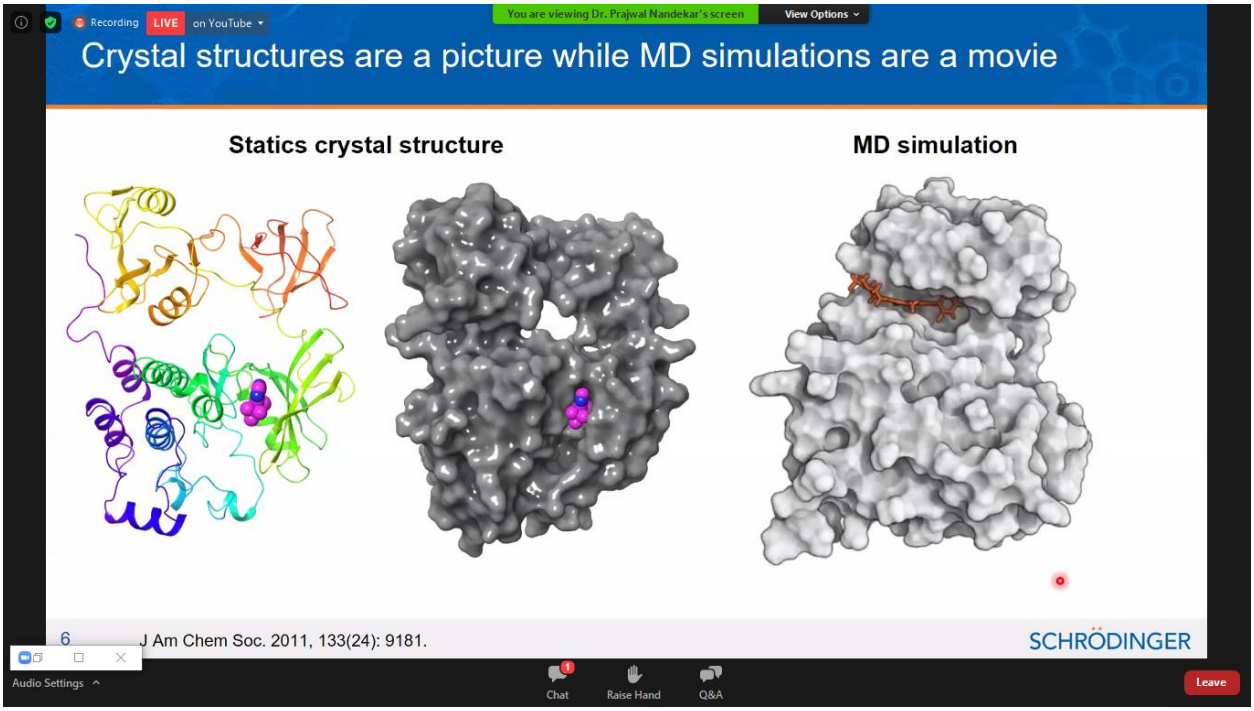
2. **Dr. R. Kalirajan** (Organizing secretaryr)

Some Photos of webinar

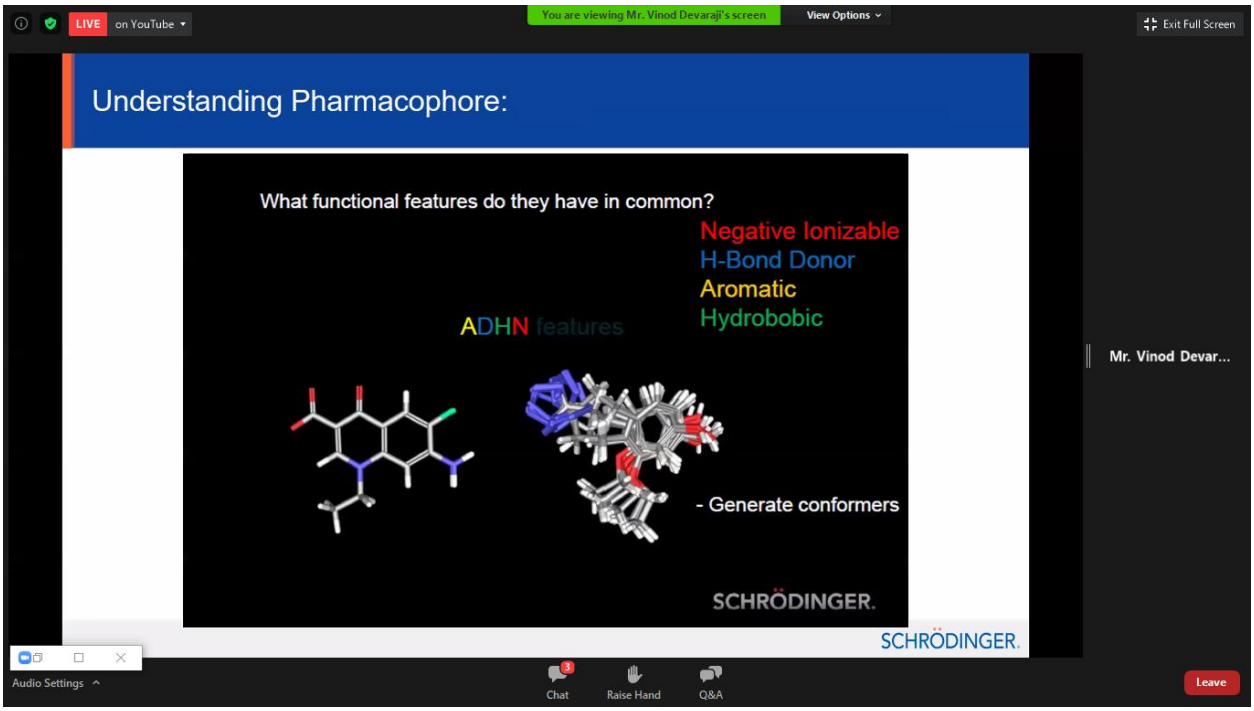
Presentation by Dr. Pritesh Bhat from Schrodinger LLC



Presentation by Dr. Prajwal Nandekar from Schrodinger LLC



Presentation by Mr. Vinod Devaraji from Schrodinger LLC



At JSSCP, Ooty