

# Report

## Training Program on “Drug Design, Synthesis and Spectral Analysis”

Venue: JSS College of Pharmacy, SS Nagar, Mysuru

Date: August 16-20, 2022

Time: 10.00 am to 5.00 PM

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### Kind Attention: All the press reporters

Department of Pharmaceutical Chemistry, JSS College of Pharmacy, SS Nagara, Mysuru, a constituent college of JSS Academy of Higher Education & Research, Mysuru, is organizing five days training program on “Drug Design, Synthesis and Spectral Analysis”. This training is for the faculty and research associates working in pharmacy, medical and science colleges across the country. In this training program about 20 participants are trained on computer aided drug design, synthesis and spectral analysis techniques.

The inaugural function for this training program was scheduled on August 16, 2022 (Tuesday) at 10.30 AM in the premises of JSS College of Pharmacy. Dr. Prashanth Vishwanath, Research Director, JSS Academy of Higher Education & Research was the Chief guest. In his address mentioned that, there is great demand for this kind of training to fulfill the needs of the pharma industry and pharma education. Dr. G.V. Pujar, Vice-Principal, JSS College of Pharmacy was the president of the function. Dr. BM Gurupadayya was the Convener. Dr. BR Prashantha Kumar was the organizing secretary.

On the day 1, Dr. BR Prashantha Kumar demonstrated the drug discovery and development with a case study. Followed by Docking was demonstrated in hands on session with the help of Mr. Faizan.

On the day 2, Dr. BR Prashantha Kumar demonstrated the ligand preparation and ADMET studies along with the virtual screening techniques. Dr. BM Gurupadayya explained fragmentation rules in mass spectrometry. After lunch

hands on sessions were there on virtual screening with help of Mrs. Akshatha and Dr. Sheshagiri Dixit.

On the day 3, Dr. BM Gurupadayya explained spectral interpretation in mass spectrometry followed by LC MSMS demonstration was been held. After lunch Ms. Tenzin demonstrated the Autodock and personal case studies.

On the day 4, Dr. Yogish Kumar explained the retrosynthetic techniques. Dr. Milind from ACS demonstrated the Scifinder. Dr. Basappa demonstrated the organic synthesis case studies with illustrations on medicinal chemistry. Dr. Yogish Kumar demonstrated the organic synthesis.

On the day 5, Dr. Yogish Kumar explained spectral analysis followed by Dr. Shankara HN explained 1D and 2D NMR in detail.

The valedictory function was held at 1 PM in the seminar hall. Dr. Shankara HN was the Chief guest, Dr. GV Pujar presided along with Dr. BM Gurupadayya the convener of the program and Dr. BR Prashantha Kumar the organizing secretary. Participants rated the program as excellent in their feedback.

Dr. BR Prashantha  
Kumar  
Organizing Secretary

Dr. BM Gurupadayya  
Convener

Dr. TM Pramod Kumar  
Principal