

Two Days Workshop Report

Two Days Workshop on Chemometrics for NIR Spectroscopy Applications (17.12.2021 to 18.12.2021)

Summary:

A **Two Days Workshop on Chemometrics for NIR Spectroscopy Applications** was organized by Dr. Shanmugam. R, Coordinator, TIFAC CORE in Herbal Drugs in association with Department of Pharmaceutical Chemistry, Department of Pharmacognosy and Department of Pharmaceutical Analysis on 17.12.2021 to 18.12.2021 from 10.00 am to 5.00pm at seminar hall of JSS College of Pharmacy, Ooty. The two days workshop was sponsored by industry instituted interaction cell (IIC), JSS College of Pharmacy, Ooty. The committee was organised as follows, Dr.S.P.Dhanabal, Principal, JSSCPO-Chairman, Dr.B.Duraiswamy, HOD, Pharmacognosy- Convener, Dr.R.Shanmugam, Coordinator, TIFAC CORE in Herbal Drugs- Organizing Secretary, Dr.K.Gowthamaraj, HOD, Pharmaceutics, IIC-Coordinator, Dr.R.Kalirajan, Associate Professor- Coordinator, Dr.N.Krishnaveni, HOD, Pharmaceutical Analysis- Coordinator. Fifty eight students PG and research scholar participated in the two days workshop. **Mr.Bhanu Prakesh R**, Principal Scientist, Science 4 U, Analytics and Research Solutions PVT.Ltd, Bangalore, Karnataka was invited as a was the resource person for the two days workshop. The event started with welcome address. The workshop was proceeded by a talk by Dr.R.Shanmugam, Coordinator, TIFAC CORE in Herbal Drug, JSS College of Pharmacy. In his talk he emphasized the importance of NIR spectroscopy applications for the development of student's exposure & their Significance in Pharmaceutical Industry. Followed by inaugural speech by Dr. R.Kalirajan, Associate Professor, Department of Pharmaceutical Chemistry. He had given valuable information regarding the various types of spectroscopy methods, application and their significance in research and development area. **Dr.D.L.Priyanka**, lecturer, Department of Pharmacognosy, briefed the resource person profile and introduced to the delegates. **Mr.Bhanu Prakesh R**, Principal Scientist, Science 4 U started the session with 4 hours theory and followed by initialization of chemometrics software to the delegates laptop. The session was continued with practical session with hands on training towards chemometrics software, application and interpretation of the analytical data. The session was very interactive and students participated enthusiastically. **Dr.M.R. Jayaprakash**, Associate Professor, Department of Pharmaceutical Analysis monitor the two day workshop. The event ended with valedictory function. Dr. Shanmugam. R, Coordinator, TIFAC CORE in Herbal Drugs delivered the welcome address. Dr.B.Duraiswamy, HOD, Pharmacognosy, addressed the gathering. Dr.B.Duraiswamy, HOD, Pharmacognosy, Dr.R.Shanmugam, Coordinator, TIFAC CORE in Herbal Drugs, Dr.K.Gowthamaraj, HOD, Pharmaceutics, Dr.R.Kalirajan, Associate Professor, Department of Pharmaceutical Chemistry, Dr.N.Krishnaveni, HOD, Pharmaceutical Analysis felicitation the guest Speaker. The session was opened for the students feedback and interaction session. The Co-ordinator Dr.N.Krishnaveni, HOD, Pharmaceutical Analysis, JSS College of Pharmacy proposed the vote of thanks. she mentioned that the delegates were immensely benefitted and thanked for successful completion of the workshop.



Hands on training of Chemometrics software to the students



Discussion of the particle data with other students



Demonstration of the Chemometrics software spectra by **Mr.Bhanu Prakesh R**, Principal Scientist, Science 4 U, Analytics and Research Solutions PVT.Ltd, Bangalore, Karnataka