

P.U. to Hold National Workshop on Electrochemistry

Panjab University (PU) in association with Sinsil International Pvt Ltd, Faridabad, is organizing a National Workshop on Electrochemistry (NWEC-2016) from October 24 to 25, 2016 at Department of Chemistry, PU. The primary objective of NWEC-2016 is to impart sufficient knowledge on electrochemical processes to sensitize and stimulate the young minds of students, research scholars and faculties.

First Day of National workshop on Electrochemistry

Two days national workshop on Electrochemistry (NWEC-2016) under the aegis of this UGC: INDO-US 21st Century Knowledge Initiative organized jointly by the Department of Chemistry, Panjab University (PU) and Sinsil International Pvt Ltd, Faridabad, commenced on Monday at 9:30 am at the Seminar Hall of Department of Chemistry, PU. The theme of this workshop is to impart sufficient knowledge on electrochemical processes to sensitize and stimulate the young minds of students, research scholars and faculties.

As many as 85 participants mainly students, researchers and scientists of various academic institutes and industries are participating in the workshop. The PU Dean Science, Prof. Praveen Rishi, chief guest inaugurated the workshop. Addressing the inaugural function, Prof. Rishi emphasized that overlapping industries and academia are very important to take all research works to the society. Prof. D. V. S. Jain Emirates professor of Chemistry Department gave historical prospects of electrochemistry in India. Prof. Navdeep Goyal (DSW), Dr. Parvinder Singh (CEO), Prof. S.V. Kesar, Prof. Ahluwalia & Dr. M.C. Sidhu were also present along with the faculty members of the Department.

R.K. Mahajan from Guru Nanak Dev University discussed various aspects of electrochemical sensors. He explained great potential electrochemistry in several fields such as in environmental monitoring, clinical assays, quality monitoring as well as in medical applications. Recent development of potentiometric and voltammetric sensors for the selective recognition of variety of cations (mercury, lead, copper zinc, cadmium, cesium, uranyl etc.) and anions (chloride, hydrogensulphate, nitrate, perchlorate, ionic surfactants, dyes etc.) were showed with outstanding analytical performance with different medicinal, biological and environmental sample matrices with high sensitivity, selectivity and good reproducibility.

Latter, Dr. Ramesh Krushnamurthy and his colleagues, Sinsil International Pvt Ltd demonstrated sweep potential electrochemistry, cyclic voltammetry, AC impedance, Correction, differential pulse voltammetry and so on. They also stressed upon the need to use modern electrochemical tools in different areas of research.

Concluding Day of National workshop on Electrochemistry

Two days national workshop on Electrochemistry (NWEC-2016) under the aegis of this UGC: INDO-US 21st Century Knowledge Initiative organized jointly by the Department of Chemistry, Panjab University (PU) and Sinsil International Pvt Ltd, Faridabad, concluded today. The second day of the workshop started with expert lecture on Nanobiosensors by Dr Vijayender Bhalla, Senior Scientist, IMTECH-CSIR, Chnadigarh. The session was chaired by Dr Sandeep Kumar,

GJUS&T, Hisar. Dr Bhalla pressed upon the need of Electrochemical based Point of Care Sensors for detection of important analytes like explosives (TNT, RDX), pesticides and other pollutants. The participants were made aware about different modules available in experimental set up of electrochemical workstation that can be used for extracting useful information about early diagnosis of diseases.

Later, Dr K Ramesh from Sinsil International demonstrated Coulometry – Spectroelectrochemistry and Spectroelectrochemistry in Reflection and Transmission Mode.

Many participants presented scientific posters of their research work in this workshop. Ms Kanika, Ms Shivani Kapoor, Ms Palak and Ms Bhumika were awarded with best poster awards.

Prof P Venugopalan, Chairman, Dept of Chemistry thanked industry Sinsil International Pvt Ltd during the Valedictory function and highlighted the need of such industry-academia joint ventures which are of immense benefit to the participants. Organizing committee members including Dr G R Chaudhary, Dr. P. Natarajan, Dr. Shweta Rana, Dr. Gupreet Kaur & Dr. Savita Chaudhary thanked recourse persons, participants from various institutes and Sinsil International Pvt. Ltd. Moreover, Dr. Chaudhary Convener is grateful to UGC for providing financial support under prestigious INDO-US 21st Century Knowledge Initiative project.