

## March 2016 - PTA MEET

### DEPARTMENT OF BIOELECTRONICS AND BIOSENSORS

#### Publication of Research Articles

The Department is actively engaged in the design and development of novel electrochemical and gas sensors for applications in the fields of medicine, environment & food technology. Research articles are published in leading international journals like- Materials Science and Engineering C, New Journal of Chemistry, Journal of Materials Chemistry B, Journal of Electroanalytical Chemistry, Physical Review Letters and Analytical Methods.

#### Invited Lectures

Prof. C. Sekar, Head of the Department, delivered invited lectures in three different conferences; National Conference on Advances in Materials Science and Nonlinear Systems (AMSNS -16) held at K.S.R. College of Engineering, Tiruchengode, during 07-08 January 2016, International Conference on Recent Advances in Applied Sciences" (ICRAAS 2016) organized by St. Peter's University, Chennai, during 11-13<sup>th</sup> February 2016; 2nd National Conference on Nanophotonics (NCNP- 2016) held at School of Physics, Bharathidasan University, Tiruchirappalli during 18-19<sup>th</sup> March, 2016.

#### Parents-Teachers Meet

The Department of Bioelectronics & Biosensors organized Parents- Teachers Meet on 30.01.2016. Almost all M.Sc. students were present with their parents. The meeting started with the welcome address given by the Head of the Department Prof. C. Sekar. He briefed about the departmental activities and the course. Dr. V. Dharuman, Assistant Professor, gave a power point presentation about the importance of Biosensors and its applications in the area of medicine, environment and food technology. He also elaborated on the scope of the study and the future opportunities for the students. Mrs. C. Sumathi spoke about the opportunities for higher studies and scholarships available especially for female students. The parents also interacted with the staff to share their opinions and they suggested that such meetings be arranged periodically, at least once in six months, so that they come to see the status of their wards. Some parents happily expressed that it was like a family get -together and the meeting ended with lunch.



#### Alumni Meet

The department had an Alumni Meet on the same day. Many old students attended the meeting and shared their experiences after acquiring M.Sc./PhD degrees from the Department. Some of them pointed out that "ours is a unique Department and that the courses offered are not familiar to many, including many in higher educational institutions." Hence students requested the authorities to arrange campus interviews periodically which may help the students to find jobs for such interdisciplinary courses. The alumni who are working/ pursuing higher studies abroad also interacted with the students through Skype and they offered to help the current students to find jobs/scholarships abroad. They also agreed to form an association and create fund to help the needy students of the Department.

#### Research Work

Diabetes is a serious chronic disease and it is more prevalent in India than in any other part of the world. Currently 62 million people suffer from diabetes in India, reported International Diabetes Federation (IDF) and it is estimated to increase over 100 million in 2030. One million people die each year due to this illness. Hence Govt. of India is undertaking several initiatives such as creating awareness and developing indigenous and cost effective equipments to combat this severe health problem. This disease is basically controllable by