

September 2017 –Visiting Research Award

DEPARTMENT OF BIOELECTRONICS AND BIOSENSORS

Cutting-Edge Research in Chemo-Biosensors

The Department of Bioelectronics and Biosensors has been carrying out cutting-edge research in the area of chemo-biosensors for various applications. It has designed and fabricated many novel electrochemical and chemo-resistive sensors using various nanostructured materials such as metal oxides, polymers, graphene, biomaterials and organic molecules. The results have been published in leading international journals like-Bioelectroncis and Biosensors, Electrochimica Acta, Bioengineering Journal and Journal of Electroanalytical Chemistry. Prof. C Sekar served as Chairman for the International Conference on Frontier Areas in Chemical Technologies (FACTs-2017) organized by the Department of Industrial Chemistry, Alagappa University, Karaikudi from 6th to 8th July 2017.

Visiting Researcher Award

Dr. N. Lavanya visited the Department of Electronic Engineering, University of Messina as a Visiting Researcher during June - July 2017. She worked under the supervision of Prof. Giovanni Neri, Chair of Gas Sensor Lab and also a member of the Directive Board of AISEM (Italian Association of Sensors and Microsystems). During this period, Lavanya developed chemo-bio sensors based on nanostructured materials for precise detection of a variety of toxic and explosive gases and biomolecules.

Best Paper Award



Ms. A.C. Anithaa bagged Springer Best Paper Award (Oral presentation) for her work entitled "Acetylcholine sensor based on low energy Nitrogen ion beam irradiated tungsten trioxide thin films" at the Eighth International Conference on Smart Materials, Structures & Systems (ISSS-2017) held at Indian Institute of Science, Bangalore, during 5-7th July 2017.

Ms. D. Nathiya presented a poster in the National Symposium on Nano-science and Technology (NSNST-2017) and Oral presentation in International Conference on Smart Materials Structures & Systems, IISC Bangalore during July 2-7, 2017.