

ALAGAPPA UNIVERSITY
(Reaccredited with 'A' Grade by NAAC)
KARAIKUDI

Date : 14.3.2017

An MoU has been signed between Alagappa University, Karaikudi, and Tamil Nadu Agricultural University, Coimbatore, on 13.3.2017 to collaborate in the task of bio-sensor development for agricultural applications.

The Departments of Bioelectronics and Biosensors and Industrial Chemistry of Alagappa University and the Department of Nano-Science and Technology of Tamil Nadu Agricultural University, will jointly work in the areas of research and product development.

Agriculture is taking a paradigm shift from traditional farming to precision agriculture. It is time to initiate efforts to develop simple electronic devices for the determination of status of plants in order to minimize the response time for the farmers to act and save the crop from pests, diseases and nutrient deficiencies. In view of the frequent drought occurrence and uncertainties in rainfall and other impeding facts associated with climate change and global warming, ever growing population, such handy bioelectronics tools are appropriate and timely.

Prof. S. Subbiah, Vice-Chancellor of Alagappa University, said that the MOU will enable the scientists to evolve handy gadgets for assessing soil moisture and fertility status, pesticide residues in soil and produce, seed quality assessment and water quality tests. He reiterated that these factors determine the quality of agricultural and horticultural produces. Dr. K. Ramasamy, Vice-Chancellor of TNAU has taken assiduous efforts to bring a set of young scientists to accomplish the task of Biosensor development for agricultural applications which is the need of the hour for the farmers.

The research teams involved in the collaborative research and development include Dr. C. Sekar, Professor & Head, Dept. of Bioelectronics & Biosensors, Dr. P.Manisankar, Professor & Head, Dept. of Industrial Chemistry, Alagappa University and Dr. K.S. Subramanian, Dr. G.J. Janavi, Dept. of Nanoscience & Technology, Tamilnadu Agricultural University, Coimbatore and their respective teams. The entire team will work together in the area of teaching, research and product development in the areas of Biosensors and Bioelectronics.

Alagappa University continues to establish good research collaboration with leading National and International Universities/Institutions of global importance. The Departments of Bioelectronics and Biosensors and Industrial Chemistry have expertise in the field of Bioelectronics and Sensors development. In order to translate the processes into farmer-friendly products, Alagappa University signed an MOU with Tamilnadu Agricultural University.

Prof. V. Balachandran
Registrar i/c.