

NIIST is a constituent Laboratory of CSIR, India engaged in R&D Programs in the area of Agroprocessing, Chemical Sciences, Materials & Minerals, Biotechnology and Process Engineering and Environmental Science & Technology. The programmes have a blend of basic research and a technology development & commercialisation; have specific thrusts on frontier areas of research, National Mission Projects, regional resource-based activities and R & D - Industry - Academia linkages. The Laboratory also has excellent collaborative programmes with major National & International agencies .

How to reach NIIST

If you are reaching Thiruvananthapuram by train or bus get down at Trivandrum Central or Thampannoor. Auto rickshaws/Taxi cabs are available from the premises of railway station/bust stand. NIIST is near Pappanamcode and the distance to NIIST is only 7 km. The local city buses heading towards NIIST are also available outside the railway station if you exit from Platform No.1. Ask for the bus going to Industrial Estate.You can get down in front of NIIST. Fare is about Rs.5-6. Alternatively you can get down at Pappanamcode junction and hire an auto rickshaw. Expect a ride from the junction to cost about Rs. 15-20.

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CSIR OSDD-ACT WORKSHOP ON

“Advances in Organic Synthesis and its Application in Drug Discovery”

at

National Institute of Interdisciplinary Science & Technology,
Thiruvananthapuram, KERALA



On 21st & 22nd July 2011

Organized by

CSIR - New Delhi,

*National Institute of Interdisciplinary Science &
Technology, Thiruvananthapuram &
Academy of Chemistry Teachers (ACT)*

Council of Scientific & Industrial Research (CSIR), New Delhi has launched an **Open Source Drug Discovery (OSDD)** program, which is an initiative with a noble vision to provide affordable healthcare to the developing world. It aims at providing a global platform where the best brains can collaborate and collectively endeavor to solve the complex problems associated with discovering novel therapies for tropical diseases such as Tuberculosis. The OSDD concept has synergized the power of genomics and cheminformatics by participation of young and brilliant talents from universities, colleges and industry for addressing this serious cause.

Under the OSDD program it is being planned to initiate a unique OUTREACH project during the 12th Five Year Plan to impart practical training to large number of M.Sc. Chemistry students in various universities and colleges across the length and breadth of the country. The initiative is an enthusiastic move to impart greater momentum to chemistry education in our country during the International Year of Chemistry, IYC 2011. The idea is that, as part of M.Sc. Dissertation work, students undergo training in research and get the know how to carry out the modern synthetic reactions that they study in their courses and thus get encouraged to pursue their career in research.

Each student will make a few compounds; learn their purification by chromatography and characterization by NMR, mass spectra, etc. The synthesized samples can be sent to nearby CSIR labs for analysis free of cost. Students will then submit these molecules to OSDD and pure compounds as NCEs can be stored in nearby CSIR labs under suitable conditions with proper labeling etc. CSIR is ready to fund the purchase of chemicals, glassware and other minor equipments for each college coming forward to participate in this program.

To make students and teachers aware of this new venture of OSDD, Academy of Chemistry Teachers (ACT) is arranging workshops and theme generation seminars in Kerala. The Chemical Sciences and Technology Division of NIIST, Thiruvananthapuram, Kerala is organizing training cum theme setting workshop for teachers who are willing to work as PIs for the program. The workshop will be held at NIIST-CSIR, Thiruvananthapuram on July 21st and 22nd 2011. Dr. K.V. Radhakrishnan of NIIST will lead the deliberations. Dr S. Pratapan of CUSAT, Dr I. Ibnu Saud of MG University, Prof TS Anirudhan of Kerala University will provide leadership. You are invited to attend the program and be a part of a great movement.

We welcome teachers, of all institutions to actively participate in the program, and solicit your wholehearted co-operation for making it a grand success. Heads of the Department of Chemistry, where PG program in chemistry is run may nominate at least one teacher from their institution for participating in the program. Participants are eligible for availing duty leave. Let us work hand-in-hand to accomplish the lofty aim of OSDD.

The program will have lecture sessions in the morning and laboratory demonstrations of some selected experiments and instruments in the afternoon. This will be followed by a discussion on possible themes for the OSDD group

List of Speakers

Dr. D. Ramaiah, NIIST, Trivandrum

Dr. S. Prathapan, CUSAT

Dr. K. M. Sureshan, IISER, TVM

Dr. L. Ravishankar, NIIST, TVM

Dr. K. V. Radhakrishnan, NIIST, TVM

Dr. Ibnu Saud, MG Uty, Kottayam

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