

Press Release (26.9.2011)

Council of Scientific & Industrial Research

**CSIR - North East Institute of Science and Technology, Jorhat;
CSIR - Central Institute of Mining and Fuel Research, Dhanbad;
CSIR - Central Leather Research Institute, Chennai;
CSIR - Indian Institute of Petroleum, Dehradun; and
CSIR - National Chemical Laboratory, Pune**

Win

CSIR Technology Awards 2011

Hon'ble Minister S&T and Earth Sciences and Vice President, CSIR, Shri Vilasrao Deshmukh today, on the occasion of CSIR Foundation Day, gave away CSIR Technology Award 2011. These awards are in the category of: Life Sciences (to CSIR - North East Institute of Science and Technology, Jorhat); Physical Sciences including Engineering (to CSIR - Central Institute of Mining and Fuel Research, Dhanbad); Innovation (to CSIR - Central Leather Research Institute, Chennai); Business Development & Technology Marketing (to CSIR - Indian Institute of Petroleum, Dehradun); and Most Significant CSIR Technology of the Five Year Plan Period (to CSIR - National Chemical Laboratory, Pune).

CSIR North East Institute of Science and Technology has won the award for developing *Terminalia chebula* based bioformulation (Muga Heal) as an anti-flacherie agent and a silk fibre enhancer. The developed method results in healthy growth of larvae and improved cocooning of muga silkworm, *Antheraea assamensis* for enhancing production of high yield and quality silk.

CSIR Central Institute of Mining and Fuel Research has won the award for developing technology for extraction design of locked-up coal by Highwall Mining in India. CSIR-CIMFR is instrumental in adapting Highwall Mining technology for Indian geomining conditions by providing scientific extraction design for the three Highwall Mining sites. CSIR recognizes the contribution of M/s. Advanced Mining Technology Pvt. Ltd., Hyderabad and M/s. Delta Construction Systems Ltd., Hyderabad in implementing the technology.

CSIR Central Leather Research Institute has won the award for developing salt free tanning technology. The developed salt free technology has not only eliminated the usage of salt, but also shortened the process by avoiding the steps of pickling and then again basification to make the medium neutral.

CSIR Indian Institute of Petroleum has won the award for significantly enhancing the business through commercialization of its technologies against stiff global competition and marketing of its knowledgebase.

CSIR National Chemical Laboratory has won the award for developing complete process technology for manufacture of 2-acrylamido-2-methyl-1-propane sulfonic acid (ATBS). The process was licensed to M/s Vinati Organics Limited (VOL), Mumbai. The present capacity of VOL's commercial plant is 18000 Tonne per annum of ATBS and this plant is 2nd largest plant in the world for producing ATBS.

Given annually, CSIR Technology Awards were instituted in 1990 with a view to foster and encourage in-house multidisciplinary team efforts and external interaction for technology development, transfer, marketing and commercialization. Each of the given award carries a cash prize of Rs. 2 lakh except the award for the "Most Significant CSIR Technology of the Five Year Plan Period" which has a cash prize of Rs. 5 lakh. Besides, a plaque and a citation are also given to the awardees.