

Past Awardees

PAST AWARDEES

2005

- Prize for Biological Sciences
NBRI, Lucknow for the development of artificial promoters, novel d-endo to xin coding genes and indigenous transgenic to cot ton lines for resistance to insect pests.
- Prize for Chemical Technology
IICT, Hyderabad and NCL, Pune for enzym at ic degumming of rice bran oil (50 tpd capacity) and development of a complete process technology for manuf act ure of 2-Acryl ami do-2-methyl-1-propane sulfonic acid (ATBS) respectively.
- Prize for Engineering Technology
NAL, Bangalore for the development of advanced composite technologies for aerospace applications.

2004

- Shield for Process Technology
RRL, Thiruvananthapuram for development and commercialization of swing technology for processing fresh/dry spices for flavour, oleoresin and active compounds
- Shield for Engineering Technology
NAL, Bangalore for design, prototype fabrication and successful f light testing of multi-role light transport aircraft 'SARAS'.
- Prize for Chemical Technology
CSMCRI, Bhavnagar for development and scale up of high flux thin film composite reverse osmosis membrane technology and its application for water desalination and purification.
- Prize for Engineering Technology
NIO, Goa for developing a system for qu ant i t at ive estimation of the seafloor roughness p aram eter using multi-beam echo-sounding at high acoustic frequency range.

2003

- Shield for Engineering Technology
NAL, Bangalore for acquir in g state-of-the-art analytical, computational and algorithmic expertise required in the multidiscipl ina ry area of modeling, simulation, flight control and application to critical National Aerospace Projects.
- Technology Prize for Biological Sciences & Technology
CCMB, Hyderabad for gene ra ting the first transgenic fruitfly expressing human tumour suppressor gene Apc and using this system to screen potential anticancer agents.
- Technology Prize for Chemical Technology
NCL, Pune for development and successful commerci al i sa tion of a novel process technology for THPE, a co-monomer used as branch in g age nt in engineering polymers.
- Technology Prize for Engineering Technology
CMERI, Durgapur for designing, det ai l engineering and developing a fuel efficient, eco-friendly tr act or indigenously.

2002

- Shield for Process Technology
IMTECH, Ch and igarh for developing process technology for production of n at ur al Streptokin as e, a life-s avi ng thrombolytic drug.
- Technology Prize for Biological Sciences & Technology
IICB, Kolk at a for developing a herb al form ula tion namely AS MON for treatment of Asthma .
- Technology Prize for Chemical Technology
CSMCRI, Bhavnagar and NALCO, Bhubaneshwar for developing process technology for the production of Detergent Grade Zeolite–A.
- Technology Prize for Engineering Technology
CSIO, Chandigarh for developing Head Up Display (HUD) technology of high reliability for Light Combat Aircraft.

- The Prizes for Business Development and Technology Marketing

NAL, Bangalore for significantly enhancing the business for NAL's knowledgebase though innovative methods and building strong linkages with major stakeholders.

2001

- Technology Prize for Biological Sciences & Technology

Jointly to CSMCRI, Bhavnagar for developing improved germplasm for Eucheuma, its large scale multiplication through somatic embryogenesis and novel net bag technique for cultivation and to RRL, Jammu for development of a process for D-gluconates from starch using a specially developed GRAS strain of fungus *Aspergillus niger*.

- Technology Prize for Chemical Science & Technology

IIP, Dehradun and HPCL, Mumbai for developing a globally competitive technology for production of food and petrochemical grade hexane using NMP as solvent.

- Technology Prize for Engineering Technology

CFRI, Dhanbad for developing a novel closed water circuit device and process for recovery of low ash coal fines from coal washery waste having high ash content coal fines.

2000

- Shield for Engineering Technology

SERC, Madras for developing advanced analytical & computational methodologies.

- Shield for Process Technology

IIP, Dehradun, EIL, New Delhi & CPC Ltd., Chennai for the development of NMP based refining technology for simultaneous production of quality lube oil based stocks (LOBS) and high BMCI extract.

- Technology Prize for Biological Sciences & Technology

CCMB, Hyderabad for developing a novel sal t inducible expression system in *E.coli* for large scale production of a variety of proteins by recombinant DNA techniques.

- Technology Prize for Engineering Technology

CFRI, Dhanbad for developing device (oven) for production of soft coke.

1999

- Shield for Process Technology

NPL, New Delhi for sustained development of valuable knowledgebase, expertise and advanced carbon products.

- Technology Prize for Biological Sciences & Technology

CIMAP, Lucknow for development of early maturing, disease and pest resistant mint varieties (*Mentha arvensis*).

- Technology Prize for Chemical Technology

IIP, Dehradun for innovative technology for Propane Deasphalting of Petroleum residues.

- Technology Prize for Engineering Technology

Jointly to SERC, Madras for their pioneering contributions to the development of advanced computational methodologies and modelling techniques and to CRRI, New Delhi for innovative technique for utilising waste materials for road construction.

1998

- Shield for Process Technology

CIMAP, Lucknow and CDRI, Lucknow for the joint development of an epimeric mixture of alpha & beta Art ether - a new antimalarial drug.

- Technology Prize for Chemical Technology

IIP, Dehradun and EIL, New Delhi for development of state-of-art Soaker Visbreaking technology.

- Technology Prize for Engineering Technology

CMRI, Dhanbad and SECL, Bilaspur for development of Cable bolt support technique.

1997

- Technology Prize for Chemical Technology

IIP, Dehradun for development of a comprehensive technology pack age comprising process knowhow and b as ic engineering for an improved process for prep ar at i on of tetramethylene sulfone (sulpholane).

- Technology Prize for Business Development & Technology Marketing

NGRI, Hyderabad for its achievement in significantly enhancing the business for NGRI's knowledgebase.

1996

- Technology Prize for Chemical Technology

IICT, Hyderabad for the development of a comprehensive pack age , comprising process knowhow, b as ic and det ai led design engineering for manuf act ure of Trimethyl Phosphite

- Prize for Business Development & Technology Marketing

IIP, Dehradun for significantly widening and deepening of the market space for its knowledgebase.

1995

- Shield for Engineering Technology

NAL, Bangalore for diverse technological Achievements in Engineering.

- Technology Prize for Chemical Technology

IICT, Hyderabad for the process and engineering design innovation to glyoxal technology.

- Technology Prize for Engineering Technology

CMRI, Dhanbad for high set remote prop for underground coal mine working.

- Technology Prize for Business Development & Technology Marketing

NCL, Pune for significantly Enhancing the Business and Markets for its Knowledgebase.

1994

- Technology Prize for Biological Sciences & Technology

IMTECH, Ch and igarh and VMSRF, Bangalore for an energy efficient technology for production of ethanol from molasses using genetically modified strain of Saccharomyces cerevisiae .

- Technology Prize for Engineering Technology

IIP, Dehradun for Low Air Pressure (LAP) efficient multi-fuel film burner.

- Technology Prize for Business Development & Technology Marketing

IICT, Hyderabad for their outst and in g achievements in business promotion and market development.

1993

- Shield for Process Technology

IIP, Dehradun for food grade hexane.

- Technology Prize for Biological Sciences & Technology

RRL, Jammu for bioavailability enhancer.

- Technology Prize for Chemical Technology

IICT, Hyderabad for AZT and Ketorolac.

1992

- Shield for Engineering Technology

CEERI, Pilani for the development of electronic control systems for sugar industry.

- Shield for Process Technology

CDRI, Lucknow for the development of Centchroman.

- Technology Prize for Biological Sciences & Technology

The group at CCMB, Hyderabad for universal probe for DNA finger printing.

- Technology Prize for Chemical Technology

Jointly to IICT, Hyderabad for sodium azide and to IIP, Dehradun for Pt-Re bimetallic c atal yst for naphtha re form ing.

- Technology Prize for Engineering Technology

NAL, Bangalore electrochemical technologies for surface engineering.

1991

- Technology Prize for Biological Sciences & Technology
NCL, Pune for plant tissue culture.
- Technology Prize for Chemical Technology
IICT, Hyderabad for synthetic drugs.
- Technology Prize for Materials Technology
CFRI, Dhanbad for building bricks from flyash.

1990

- Shield for Engineering Technology
NAL, Bangalore for its outstanding contributions to aerospace engineering.
 - Shield for Process Technology
IICT, Hyderabad for the development of technology for agrochemicals.
 - Technology Prize for Chemical Technology
Jointly to IIP, Dehradun for extraction of aromatics and to NCL, Pune for encilite c atal ysts.
 - Technology Prize for Engineering Technology
NAL, Bangalore for its contributions to advances in fatigue and fracture mechanics.
 - Technology Prize for Materials Technology
Jointly to NPL, New Delhi for high-density carbon-carbon composites and to CECRI, Karaikudi for titanium substrate insoluble anodes.
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