

## “The Kroll Zirconium Medal” Award for the year 2012



Dr. Srikumar Banerjee, Homi Bhabha Chair Professor and former Chairman, Atomic Energy Commission has been awarded the prestigious “The Kroll Zirconium Medal” award for the year 2012. The William J. Kroll Zirconium

Medal recognizes outstanding achievement in scientific, technological or commercial aspects of zirconium production and utilization. The Kroll award is sponsored and managed by ASTM B10 Committee on Reactive and Refractory metals and alloys. Admiral H.G. Rickover of U.S. Navy, Dr. Antonina V. Nikulina, All-Union Scientific and Research Institute, Russia and Dr. Brian Cox and Dr.

Charles Ells, AECL, Canada are among the previous recipients of this Award.

Dr. Banerjee’s extensive work encompasses all aspects of phase transformations and provides insights in to the development of microstructure and properties of zirconium alloys during thermo-mechanical processing. His laboratory scale work formed the basis for the flow sheet adopted at the Nuclear Fuel Complex for the manufacture of Zr-2.5Nb pressure tubes for Indian PHWRs.

Dr. Banerjee will receive this award at the 17<sup>th</sup> International Symposium on Zirconium in the Nuclear Industry to be held in Hyderabad during February 3-7, 2013.

## Shanti Swaroop Bhatnagar Prize in Science & Technology 2012



Dr. Sandip Basu, Head, Nuclear Medicine Academic Programme, Radiation Medicine Centre at Bhabha Atomic Research Centre (BARC) in Mumbai has been awarded the Shanti

Swaroop Bhatnagar Prize 2012 in Medical Sciences.

The award is named after the Founder Director of the Council of Scientific & Industrial Research (CSIR), the late Dr. (Sir) Shanti Swarup Bhatnagar and is known as the ‘Shanti Swarup Bhatnagar (SSB) Prize for Science and Technology’. The Prize is given by the CSIR each year, for outstanding contributions to science and technology. SSB Prizes, each of the value of Rs 5,00,000 (Rupees five lakhs only), are awarded annually for notable and outstanding research, applied or fundamental, in the following disciplines: (1) Biological (2) Chemical (3) Earth, Atmosphere, Ocean and Planetary (4) Engineering

(5) Mathematical (6) Medical and (7) Physical Sciences.

Dr. Basu is a pioneer of PET based diagnosis in India and has expanded the application of this methodology for improved patient services. His work focuses on the use of radionuclide therapy and molecular imaging techniques, mainly Fluorodeoxyglucose - Positron emission tomography (FDG-PET) in diagnostics, personalised treatment design and prognostic assessment of cancer and cardiovascular disorders. Dr. Basu has made outstanding contributions in the field of Nuclear Medicine by integrating functional radionuclide imaging and therapy. He has more than 200 peer-reviewed publications to his credit, where he has put forth his ideas, novel concepts and clinical research findings.

Dr. Basu will receive the Award at a formal function, generally presided over by the Prime Minister of India, who is the President of CSIR.

## BARC Scientists Honoured

**Name of the Scientist :** **Prof. J.P. Mittal**

Distinguished Professor

Award : Jawaharlal Nehru Birth Centenary Visiting Fellowship 2013

Presented by : Indian National Science Academy, New Delhi

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**Name of the Scientist :** **Dr. Madangopal Krishnan**

Materials Science Division

Award : Prestigious DRDO Award for Path Breaking Research /  
Outstanding Technology Development for 2011

Presented at : Kothari Auditorium, DRDO Bhawan, New Delhi on 1st Oct. 2011.

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**Name of the Scientist :** **Dr. B.S. Kademani**

Scientific Information Resource Division

Award : SATKAL National Librarian Award 2012, in recognition of his outstanding  
contribution to Library and Information Science.

Presented at : Punjabi University, Patiala, 6<sup>th</sup> Nov., 2012

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