

## BARC Scientist Honoured



**Dr. S.P. Kale**, Head, Technology Transfer and Collaboration Division has been honoured with the Padma Shri Award by the Government of India on January 26, 2013 in the Discipline of Science and Engineering. Dr. Kale has developed the NISARGRUNA biogas technology for solid biodegradable waste resource management. This is a combination of aerobic and anaerobic processes for faster and better degradation of biodegradable waste resulting in methane enriched biogas and organic manure generation. He has been propagating the NISARGRUNA biogas concept for solid biodegradable waste resource management at various levels in the country. So far 160 Nisargruna projects have been installed all over the country. These plants are based on kitchen, market, poultry, dairy and abattoir biodegradable waste resources. There are some plants which are working on biological sludge generated in effluent treatment plants of textile industry.

His fields of interest include: Marine pollution, Agriculture Biotechnology, Computer applications, Bioenergy, production of metallic nanoparticles through biological route and creating Public awareness regarding sustainable environment.

## BARC Scientists Honoured

**Name of the Scientist** : **Dr. S. Kailas**  
Affiliation : Director, Physics Group  
Award : Elected as Fellow of the Indian National Science Academy  
Conferred by : Indian National Science Academy

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**Name of the Scientist** : **Dr. S. P. Chaplot**  
Affiliation : Head, Solid State Physics Division  
Name of the Award : Elected as Fellow of the Indian National Science Academy  
Conferred by : Indian National Science Academy

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**Name of the Scientist** : **Dr. S. K. Gupta**  
Affiliation : Head, Technical Physics Division  
Name of the Award : Materials Research Society of India (MRSI) Medal  
Conferred by : Materials Research Society of India