

# INDIAN SOCIETY OF GEOMATICS



## National Geomatics Award : Applications

### CITATION

**Dr. Shibendu Shankar Ray**, Director, Mahalanobis National Crop Forecast Centre of Ministry of Agriculture & Farmers' Welfare and Scientist- G, Space Applications Centre, ISRO has received his Master's and Doctorate degree in Agricultural Physics from the Indian Agricultural Research Institute, New Delhi.



During his illustrious professional career spanning over 20 years at Space Applications Centre, since 1991, he made significant contributions to various aspects of agricultural resources management using Remote Sensing and Geographical Information System (GIS). He made successful contributions to many national level projects, such as Crop Acreage and Production Estimation (CAPE), Command Area Management, Horticultural Development, Cropping System Analysis, Precision Farming, Hyperspectral Remote Sensing Applications, Impact of Climate Change on Agriculture and FASAL (Forecasting Agricultural output using Space, Agro-meteorology & Land-based observations)-Techniques Development.

Later on as the founding Director of Mahalanobis National Crop Forecast Centre (MNCFC), Dr. Ray not only established the Centre, but also operationalized the Crop Forecasting (FASAL) and Drought Assessment (NADAMS) programmes developed by Indian Space Research Organization. His contributions also resulted in Ministry of Agriculture & Farmers' Welfare initiating new programmes for Horticulture Development (CHAMAN) and Crop Insurance (KISAN).

Dr. Ray has contributed significantly for various organizational activities, by organizing 3 international workshops and one international tutorial, one international training and many national level workshops and trainings. He has made strong contributions to professional societies as Chair of ISPRS Working Group VIII/6 on Agriculture, Ecosystem and Bio-diversity (2008-2012) and vice Presidents of Indian Society of Remote Sensing and Indian Society of Agro-physics. He has showcased India's remote sensing application activities in various international forums, such as ISPRS, UNOOSA, FAO, IRRI, GEO-Asia Pacific, etc.

His excellent research work has been documented in more than 155 publications including 53 peer reviewed journal papers and 3 Edited Books, with more than 750 citations. His work has been honoured with many national level awards, such as ISRO Merit Award, 2014, ISRO-Team Award, 2007, Hari Om Ashram Prerit Dr. Vikram Sarabhai Research Award, 2005 and Prof. P. R. Pisharoty Memorial Award, 2005.

**IN RECOGNITION OF HIS OUTSTANDING CONTRIBUTION IN THE FIELD OF APPLICATIONS OF GEOMATICS IN VARIOUS ASPECTS OF AGRICULTURAL ASSESSMENT AND DEVELOPMENT, THE INDIAN SOCIETY OF GEOMATICS CONFERS "NATIONAL GEOMATICS AWARD -APPLICATIONS" FOR THE YEAR 2015 ON DR. SHIBENDU SHANKAR RAY.**

**(N.S. Mehta)**  
Secretary, ISG

**(A.S. Kiran Kumar)**  
President, ISG

**December 16, 2015**  
Jaipur