

INDIAN SOCIETY OF GEOMATICS



Prof. Kakani Nageswara Rao Endowment Young Achiever Award

CITATION

Dr. (Smt). Dipanwita Haldar born in Bardhaman town of West Bengal, on 13th September 1979, obtained M.Sc. degree in Agricultural Physics in 2003 from Indian Agricultural Research Institute (IARI), New Delhi. She completed Ph. D. from IARI in 2007 with specialization in remote sensing for vegetation applications. She joined Space Applications Centre (ISRO), Ahmedabad as Scientist in 2006.



During professional career at the Space Applications Centre, she has significantly contributed to the broad area of applications of Geomatics in the field of Agriculture. She was responsible for the development of methodology for pre harvest crop estimates at national level. Her major research contributions are in the field of Microwave Remote Sensing based techniques for crop identification, biophysical parameter retrieval, pre-harvest estimate of cropped area, growth status and yield of various crops and their operationalization at national level. She has devised methodology for crop monitoring using multi-dimensional and multi parametric SAR data. Dr. Dipanwita Haldar was instrumental in developing techniques of crop discrimination, yield modeling, parameter retrieval and assessment using SAR data, especially application of RISAT data which she used successfully under FASAL R&D and carried to the level of operationalization. She was pro active in transfer of the technology for crop acreage estimation for Cotton, Paddy (biomass) and Jute to MNCFC through trainings and demonstrations.

She is recipient of IARI gold medal for outstanding academic performance in her Ph.D. programme. She is a recipient of Best paper Award in ICMARS International conference in 2010 and in International conference for "New-Dimensions in Agro-meteorology for Sustainable Agriculture (NASA-2014)". She has authored fifteen peer reviewed journal publications, ten conference publications and scientific reports.

In recognition of her outstanding contributions towards applications of Geomatics in Agricultural applications in general and for methodology development for SAR data under FASAL R&D in particular, Indian Society of Geomatics confers the Prof. Kakani Nageswara Rao Endowment Young Achiever Award for the year 2014 on Dr. Dipanwita Haldar.

(N.S. Mehta)
Secretary, ISG

(A.S. Kiran Kumar)
President, ISG

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