

PROF. VINAY KUMAR DADHWAL

(Resume, Jul 2022)

- CURRENT POSITION: Indira Gandhi Chair Professor
National Institute of Advanced Studies (NIAS), IISc
Campus, Bengaluru- 560012 (Since August 2021)
- PAST POSITIONS:
 - Director & Chairman, Board of Management, Indian Institute of Space Science & Technology (IIST), Valiamala, Thiruvananthapuram. (July 2016 to July 2021)
 - Director, National Remote Sensing Centre (NRSC), ISRO, Hyderabad (April 2011-July 2016)
 - Associate Director, NRSC, ISRO (April 2010 – April 2011)
 - Dean, Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun, (July 2004 to April 2010)
 - Head, Crop Inventory & Modeling Division (CMD), Space Applications Centre (SAC), ISRO, Ahmedabad-380053 (July 1998-July 2004)
 - [Concurrent Positions]- UN Centre for Space Science & Technology Education in the Asia-Pacific (UN CSSTE-AP), Dehradun: Deputy Director (2005), Director-In-charge (2006), Director (2009-2010)
- RESEARCH EXPERIENCE & CONTRIBUTIONS:
 - Development of techniques and operational procedures for use of space-borne remote sensing data for Crop discrimination, crop parameters, crop mapping, yield models and crop production forecasting from village to national scale (1983-2004)
 - Guiding research on quantitative remote sensing for agro-meteorology, hydrology, forestry and natural resources management (2004-2010)
 - Assessment and modeling of biogeochemical cycle of carbon for India with field studies, eddy-flux towers, models, earth observation data and atmospheric inversion studies (2007-continuing)
 - Guiding operational remote sensing applications for natural resource census and mapping, sustainable development, resource information systems, disaster management information support, data calibration and geophysical products from RS and web-GIS operational services through BHUVAN portal. (2010-2016)
 - **Peer Reviewed Journal Publications co-authored > 300. (Google Scholar citations (till July 10, 2022) – more than 10045; H-index =50)**
- RESEARCH MANAGEMENT & LEADERSHIP
 - Management of India's premier Space Science and Technology deemed-to-be- University in all academic, administrative, financial and research programs matters, infrastructure and regulatory matters as Director equivalent to Vice Chancellor (2016-2021).
 - Chair, Technical Expert Group, Use of Technology in PM Fasal Bima Yojana (PMFBY), Ministry of Agriculture & Farmer Welfare, Govt. India

- Chair, Project Advisory & Monitoring Committee(PAMC), National Program on Imaging Spectroscopy, Dept. of Science & Technology (2018-20).
 - Member, Scientific Review and Monitoring Committee (SRMC) of National Monsoon Mission Phase-I, Phase-II and Phase-III, Indian Institute of Tropical Meteorology, Ministry of Earth Science
 - Program Director, National Carbon Project (NCP), ISRO – GBP, 2007-2016 (at ISRO – IIRS, NRSC)
 - Member, Governing Board, Indian Institute of Tropical Meteorology (IITM), Punemany more
- **ADDITIONAL TECHNICAL/SCIENTIFIC ACTIVITIES:**
 - Past Member of Research Advisory Committees of many national institutes including National Rice Research Institute (NRRI), Cuttack, National Atmospheric Research Laboratory (NARL), Gadanki, Space Physics Laboratory (SPL), Thiruvananthapuram, National Centre for Earth System Science (NCESS), Thiruvananthapuram etc
 - Chair, Scientific & Technical sub-committee (STC) of UN Committee on Peaceful Uses of Outer Space (UN-COPUOS), Vienna, 2016
 - Member/Leader of Indian Delegation to UNCOPUOUS, Vienna (2012-2016)
 - Government nominee on Board of Directors of Antrix Corporation (2013-2016) many more
- **PEER RECOGNITION & AWARDS:**
 - Fellow of : (i) National Academy of Agricultural Sciences (NAAS), New Delhi (2007), (ii) Indian Society of Remote Sensing (ISRS), Dehradun, (2014), (iii) International Academy of Astronautics (IAA), Paris (2015), (iv) Indian Meteorological Society (IMS), New Delhi (2017), (v) Indian Astronautical Society (IAS), Bengaluru (2021)
 - Awards : (i) Young Scientist Award, 1986, Indian Science Congress Association (ISCA), (ii) Young Scientist Medal, 1989, Indian National Science Academy (INSA), (iii) Indian National Remote Sensing Award, 1999, ISRS, (iv) Hari-Om Prerit Dr Vikram Sarabhai Award, 1999, PRL, Ahmedabad, (v) ISRO-ASI Award for Space Applications, 2005, ASI, (vi) ISRO Merit Award, 2007, ISRO, (vii) Bhaskara Award, 2012, ISRS, (viii) Satish Dhawan Award, 2013, ISRS, (ix) Outstanding Achievement Award, 2016, ISRO
 - Professional Societies: (i)President, Indian Society of Remote Sensing, 2012-2014, (ii) President, Indian National Cartographic Association, INCA, 2013, (iii) President, Technical Commission 8 of International Society of Photogrammetry & Remote Sensing (2012-2016)
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 - **EDUCATION:**
 - PhD, 1983, Indian Agricultural Research Institute (IARI), N Delhi (Div. of Plant Physiology)
 - MSc, 1978, Plant Physiology, IARI, New Delhi (First Division)
 - BSc (Hons.) Botany, 1976 Hansraj College, Delhi Univ., (First Division)

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- PERSONAL & CONTACT DETAILS:
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 - Address: National Institute of Advanced Studies (NIAS), IISc Campus, Bengaluru- 560012, Karnataka, India
 - Date of Birth/Age : 65 years