Name	**Dr. G.P. Obi Reddy**
Date of birth	01.03.1966
Designation	Principal Scientist & Head, Division of Remote Sensing Application
Qualification	M.Sc., Ph.D (Geography)
Email id	GPO.Reddy@icar.gov.in; obireddygp@gmail.com

Educational Background

- PGDCS: University of Hyderabad (Central University), Hyderabad, India (1999)
- Ph.D (Geography): Sri Krishnadevaraya University, Anantapur, India (1996)
- ICAR-NET: Agricultural Scientist Recruitment Board, New Delhi (1995)
- UGC-NET: Andhra Pradesh College Service Commission, Hyderabad (1994)
- M.Sc (Geography): Sri Krishnadevaraya University, Anantapur, India (1992)

Professional Experience

Principal Scientist & Head (I/c)- From 12th Jan 2023 to till date; Principal Scientist, (2012 to 11th Jan,2023), Senior Scientist (2006-2012), Scientist (Sr. Scale) (2001-2006), Scientist (1997-2001) at ICAR-National Bureau of Soil Survey & Land Use Planning, Nagpur, India.

Research Areas

Application of remote sensing and GIS technologies in natural resource management, it includes geomorphology, landform mapping, digital terrain analysis, land resource inventory, digital soil mapping, soil-landscape modelling, agro-ecological studies, land degradation mapping, land use/land cover studies, watershed management, design and development of soil information systems, and Geoportals.

International Experience

- Invited speaker at GovTech-2019, Durban by State Information Technology Agency, Govt. of South Africa (2019)
- Visited International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal (2015)
- Visiting Researcher at International Institute of Geoinformation and Earth Observation (ITC), The Netherlands (2010)
- Short-term consultant at International Water Management Institute (IWMI), Colombo, Sri Lanka (2006)

Awards

- Fellow, National Academy of Agricultural Sciences (NAAS), New Delhi-2023
- Fellow, Indian Society of Soil Survey & Land Use Planning (ISSLUP), Nagpur-2020
- Prof. Bandaru Hema Malini Eminent Geographer Award-2021, National Association of Geographers of India, New Delhi
- Gold Icon Award-2020 from MeitY, Govt. of India for ICAR-KRISHI Project (Project CCPI)
- Best Poster Award from National Academy of Agricultural Sciences (NAAS), New Delhi, 2019
- Outstanding Scientist in Remote Sensing and GIS Award from IJRULA, Tamil Nadu-2018
- Outstanding Scientist Award from ICAR-NBSS&LUP, Nagpur-2016-17
- National Geospatial Award for Excellence from the Indian Society of Remote Sensing, Dehradun, India-2013
- Indian National Geospatial Award from the Indian Society of Remote Sensing, Dehradun, India-2007

Honours/ Recognitions

- Associate Editor, Remote Sensing Time-series Analysis Section, Frontiers in Remote Sensing, 2022 onwards
- Member, Sub-Group-1 of Standing Committee-Agriculture & Soils, MoAFW, Govt. of India and ISRO-2021
- Member, Editorial Board, International Journal of Ecology and Environmental Sciences (IJEES)- 2021 onwards
- Member, ISO/TC 211/WG 4 “Geospatial Services” of OGC- 2021-to till date
- External Examiner for Ph.D Thesis evaluation for IARI, New Delhi, Vidyasagar University, Medinipur; JNU, New Delhi
- Guest Editor, American Journal of Remote Sensing special issue-2019
- Vice President, Indian Society of Soil Survey & Land Use Planning (ISSLUP), Nagpur-2019 to 2022
- Member, Board of Studies, Dept. of Geography, RTM Nagpur University, Nagpur-2018 to till date
- Secretary, Indian Society of Agricultural Information Technology (INSAIT), Dharwad, 2018- till date
- Co-Cordinator, Space Technology Applications in Agriculture Research, ICAR, New Delhi- 2015 to till date
- Member, Editorial Board, Agropedology for the year 2017-18
- Member, Editorial Board, International Journal of Applied Geospatial Research-2016 onwards
- Hony. Secretary, Indian Society of Soil Survey & Land Use Planning, Nagpur-2014-2016
- Member, Institute Management Council (IMC), Indian Institute of Soil Science, Bhopal-2011-2014
- Chairman, Data Content Standards, National Spatial Data Infrastructure (NSDI), DST, New Delhi
- Member, LITD-22, Committee on Geospatial Information, Bureau of Indian Standards (BIS)
- Faculty, teaching for M.Sc and Ph.D students of Dr. PDKV, Akola at ICAR-NBSS&LUP, Nagpur, 2006-2020

Top Ten Best Research Papers (Based on NAAS Rating-2023)

S.No.	Publication	NAAS Rating
1	Dheeravath, V., Thenkabail, P.S., Chandrakantha, G., Noojipady, P., **Reddy, G.P.O.,** Biradar, C.M., Gumma, M.K. and Velpuri, M. (2010). Irrigated areas of India derived using MODIS 500 m time series for the years 2001-2003, *ISPRS Journal of Photogrammetry and Remote Sensing* 65(1), 42-59. https://doi.org/10.1016/j.isprsjprs.2009.08.004	**17.77**
2	**Reddy G.P.O.,** Maji, A.K. and Gajbhiye K.S. (2004). Drainage morphometry and its influence on landform characteristics in basaltic terrain – A remote sensing and GIS approach, *International Journal of Applied Earth Observation and Geoinformatics, Vol.6, pp.1-16.* https://doi.org/10.1016/j.jag.2004.06.003	**13.67**
3	Biradar, C.M., Thenkabail, P.S., Noojipady, P., Li, Y., Dheeravath, V., Turral, H., Velpuri, M., Gumma, M.K., **Reddy, G.P.O.,** Cai, X.L., Xiao, X., Schull, M.A., Alankara, A.D., Gunasinghe, S. and Mohideen, S. (2009). A global map of rainfed cropland areas (GMRCA) at the end of last millennium using remote sensing, *International Journal of Applied Earth Observation and Geoinformation*, 11, 114-129. https://doi.org/10.1016/j.jag.2008.11.002	**13.67**
4	Maji, A.K., Nayak, D.C., Krishna, N.D.R., Srinivas, C.V., Kamble, K., **Reddy G.P.O.** and Velayutham, M. (2001). Soil Information System of Arunachal Pradesh in a GIS Environment for Land Use Planning, *International Journal of Applied Earth Observation and Geoinformatics,* Vol 3(1), pp 69-77. https://doi.org/10.1016/S0303-2434(01)85023-6	**13.67**
5	Ramamurthy, V., **Reddy, G. P.O.**, Kumar, N. (2020). Assessment of land suitability for maize (Zea mays L) in semi-arid ecosystem of Southern India using integrated AHP and GIS approach, *Computers and Electronics in Agriculture*, Vol.179, December, 2020, 105806. https://doi.org/10.1016/j.compag.2020.105806	**12.76**
6	**Reddy, G.P.O.**, Kumar, N., Sahu N. and Singh S.K. (2018). Evaluation of automatic drainage extraction thresholds using ASTER GDEM and Cartosat-1 DEM: A case study from basaltic terrain of Central India" *Egyptian Journal of Remote Sensing and Space Sciences,* 21(1), 95-104 https://doi.org/10.1016/j.ejrs.2017.04.001	**12.39**
7	Kar, R., **Reddy G.P.O.**, Kumar, N. and Singh, S.K. (2018). Monitoring spatio-temporal dynamics of urban and peri-urban landscape using remote sensing and GIS – A case study from Central India, *Egyptian Journal of Remote Sensing and Space Sciences, 21(3), 401-411* https://doi.org/10.1016/j.ejrs.2017.12.006	**12.39**
8	Sandeep, P., **Reddy, G.P.O.,** Jegankumar, R. and Kumar K.C.A. (2021). Monitoring of agricultural drought in semi-arid ecosystem of Peninsular India through indices derived from time series CHIRPS and MODIS data sets, *Ecological Indicators,* Vol. 121, February 2021. https://doi.org/10.1016/j.ecolind.2020.107033	**12.26**
9	Sahu, N., **Reddy, G.P.O.,** Kumar, N., Nagaraju, M.S.S., Srivastava, R. and Singh, S.K. (2016). Morphometric analysis in basaltic terrain of Central India using GIS techniques - A case study, *Applied Water Science,* Vol. 7(5), 2493-2499. https://doi.org/10.1007/s13201-016-0442-z	**11.41**
10	Thenkabail, P.S.; Dheeravath, V.; Biradar, C.M.; **Reddy, G.P.O**; Noojipady, P.; Gurappa, Chandrakantha; Velpuri, Manohar; Gumma, Muralikrishna; Li, Yuanjie. (2009). Irrigated area maps and statistics of India using remote sensing and national statistics, *Remote Sensing.* 1, No. 2: 50-67. https://doi.org/10.3390/rs1020050	**11.35**

Total Publication (Articles published in reputed Journals)

International: **37**

National: **75**

Google Scholar: https://scholar.google.com/citations?user=K8aGGe8AAAAJ&hl=en

Research Gate: https://www.researchgate.net/profile/Gp-Obi-Reddy