

PROFILE OF SCIENTIST/RESEARCH WORKER



Name. Dr. C. Sudhakar Reddy

1. Designation : **Scientist-SE**
2. Institutional address : **Forestry & Ecology Division
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Qualification Ph.D. in Botany

Area(s) of Specialization: *Angiosperm Taxonomy and Forest ecology*

Major Activities: Botanical exploration, phytodiversity characterization, Biodiversity conservation and studies for biodiversity using remote sensing.

Awards/Recognitions

- (1). **I.S.R.O. Young Scientist Merit Award** - 2008 (Department of Space, Govt. of India).
- (2). **Dr. S.K. Jain Medal Award** - 2010 (Association for Plant Taxonomy, India).
- (3). **City Strategist Award** - 2009 (Foundation for Futuristic Cities, Hyderabad).
- (4). **Bhartiya Vikas Ratan Award** - 2010 (All India Business Development Association, New Delhi).
- (5). **“Best Research Paper Award”** from Osmania University - 2008.
- (6). **Fellow** of Indian Botanical Society.
- (7). **Fellow** of Association for Plant Taxonomy, India.
- (8). **Fellow** of Indian Association for Angiosperm Taxonomy, India.
- (9). **“Certificate of Merit”** from Chairperson, Global Invasive Species Information Network, US Geological Survey, USA (2009) for contributions to invasive flora of India.

- (10). “**Certificate of Appreciation**” from Andhra Pradesh Biodiversity Board. Government of Andhra Pradesh (2009) for contributions to flora of Andhra Pradesh.
- (11). “**Letter of Appreciation**” from Dr. G. Madhavan Nair, Chairman, ISRO for significant contributions in biodiversity (2008).
- (12). ‘**Certificate of Appreciation**’ from Ministry of Environment & Forests for Supreme Court directed EIA studies in Karnataka, 2011.
- (13) **Best research paper prize** (co-author) in national conference on Forest Resilience, Biodiversity and Climate Change at Andhra University- 2012 (Landscape fragmentation in southern Western Ghats).
- (14) **Best research paper prize** (co-author) in national conference on Forest Resilience, Biodiversity and Climate Change at Andhra University- 2012 (Forest fires in Similipal Biosphere Reserve).
- (15). **Best research paper prize** (co-author) in International conference on India Biodiversity Meet- 2013. Indian Statistical Institute (ISI), Kolkata (Biological invasion of *Mikania scandens*).

Membership in Technical Committees

- (1). **Honorary Editor**, *Journal of Economic and Taxonomic Botany* (2008 to till date).
- (2). **Member**, Syllabus Committee, M.Sc. Environmental Sciences. Central University of Rajasthan.
- (3). **Member**, Access Committee for Biological Resources. Andhra Pradesh Biodiversity Board, Hyderabad. Govt. of Andhra Pradesh.
- (4). **Executive Council Member**, Association for Plant Taxonomy, India (2008-2010).
- (5). **Member**, Scientific Advisory Committee, Worldwide Fund for Nature –A.P. (WWF-AP, 2008-2011).
- (6). **Advisor**, Wetland Flora. Salim Ali Centre for Ornithology and Natural History (SACON), Hyderabad (2009-2010).
- (7). **Advisor**, Biodiversity studies. Irrigation Department. Govt. of Andhra Pradesh (2010-2011).
- (8). **Member**, Technical Expert Committee on Conservation of Eastern Ghats. EPTRI, Hyderabad (2007-2008).

- (9). **Member**, IUCN Species Survival Commission - Invasive Species Specialist Group (SSC- ISSG) (2009-2011).
- (10). **Member**, Global Invasive Species Information Network, USGS, USA (2008-2012).
- (11). **Expert Member**, Andhra Pradesh Biodiversity Board, Hyderabad. Govt. of Andhra Pradesh (2008 to till date).
- (12). **Member**, Committee on Evaluation of Economically Important Species: National Project on Biodiversity Characterization. NRSC (2005 to 2011).
- (13). **Member**, Quality Assurance Team. Georectification of ResourceSat-1 data. National land use/land cover mapping. NRSC (2009 to 2011).
- (14). **Member**, ISO task team for Remote Sensing and G.I.S. Applications, NRSC, Hyderabad (2008 to till date).
- (15). **Member**, Design and Development of Landscaping and Gardens Committee. NRSC (2010 to 2011).
- (16). **Member**, Design and Development of Landscaping and Gardens Committee. IMGEOS, NRSC (2011 to till date).
- (17). **Member**, Task team for Indian Earth Observation – Land cover Change Atlas. NRSC (2012-2013).
- (18). **Member**, External Quality Checking Team, Remote sensing application projects of Land use/land cover mapping, NRSC (2012).
- (19). **Session Chairman for Climate change section**. National conference on Forest Resilience, Biodiversity and Climate Change-2012 at Andhra University, Visakhapatnam (23rd-24th Nov. 2012).
- (20). **Session Chairman for Remote sensing applications section**. International conference on India Biodiversity Meet: 2013. Indian Statistical Institute (ISI), Kolkata (14th-16th March 2013).
- (21). **Reviewer** for Scientific Journals (Current Science, Elsevier, Springer link group and other reputed journals in Ecology and Biodiversity).

Examiner / Guide ship

- (1). **Recognised Ph.D. Supervisor**: Osmania University, North Orissa University, Assam University, Nagarjuna University and JNTU-Hyderabad.

- (2). **Ph.D./M.Phil./M.Tech./M.Sc. Examiner:** Osmania University, Andhra University, Jawaharlal Nehru Technological University, Hyderabad Central University, North Orissa University, SRTM University, Cochin University, M.G. University, Kottayam & IITM-Kerala.

Research Publications

Book Authored

1. **Reddy, C.S.** 2008. Field Identification Guide for Indian Mangroves. Bishen Singh Mahendra Pal Singh, Dehra Dun. pp 1-100. ISBN: 978-81-211-0683-2.
2. **Reddy, C.S.**, Reddy, K.N. & Raju, V.S. 2008. Supplement to Flora of Andhra Pradesh, India. Deep Publications. New Delhi. pp 1-148. ISBN: 81-85622-17-3.
3. **Reddy, C.S.**, Bagyanarayana, G., Reddy, K.N. & Raju, V.S. 2008. Invasive Alien Flora of India. GISIN, NBII, USGS, USA. pp 1-128.
4. **Reddy, C.S.** & Roy, P.S. 2011. Plant Diversity of Lakshadweep Islands. National Remote Sensing Centre, Hyderabad & Bishen Singh Mahendra Pal Singh, Dehra Dun. pp 1-166. ISBN: 978-81-211-0784-6.
5. Roy, P.S., Kushwaha, S.P.S., Murthy, M.S.R., Roy, A., Kushwaha, D., **Reddy, C.S.**, Behera, M.D., Padalia, H., Mathur, V.B., Singh, S., Jha, C.S. & Porwal, M.C. 2012. Biodiversity Characterisation at Landscape Level: National Assessment. Indian Institute of Remote Sensing, Dehra Dun. pp 1-254. ISBN 81-901418-8-0.

Research papers in Taxonomy: 105