

Dr. A.C. Surya Prabha, Ph.D.,



Educational Qualification : Ph.D.(Soil Science & Agricultural Chemistry), Tamil Nadu Agricultural University, Coimbatore: 2006

M.Sc.(Agri.), Specialization in Soil Science & Agricultural Chemistry, TNAU, Coimbatore: 2002

B.Sc. (Agriculture), TNAU, Coimbatore: 2000

Designation : Scientist-D

Specialization : Soil fertility, Plant Nutrition and Nutrient management

Current activities and Research Interests : 1. Carbon sequestration studies related to climate change
2. Soil Health assessment of different Forest vegetation
3. Restoration of salt-affected lands in Tamil Nadu
4. Tree-crop-soil interaction studies

Experience :

Name of the post held	Name of the Institution/ Organization	Department/ Division worked	Duration	
			From	To
Scientist- D	Institute of Forest Genetics & Tree Breeding, Coimbatore	Silviculture and Forest Management Division	21.05.2019	Till date
Scientist - C	Institute of Forest Genetics & Tree Breeding, Coimbatore	Forestry, Land Use and Climate Change	26.07.2011	20.05.2019
Scientist - C	Centre for Forestry Research & Human Resource Development, Chhindwara, M.P.	-	20.05.2009	22.07.2011
Senior Research Fellow	Tamil Nadu Agricultural University, Coimbatore	Soil Science & Agricultural Chemistry	13.02.2006	31.01.2009

- Research Projects**
(As Principal Investigator)
1. AICRP - Preparation of Forest Soil Health Cards under different Forest Vegetations in all the Forest Divisions of India (CAMPA, 2019-2022).
 2. AICRP -Combating Desertification by Enhancing Vegetation Cover and People Livelihoods in Degraded Drylands and Deserts of India (CAMPA, 2019-2024).
 3. Biomass and Soil Carbon Sequestration in important plantation species of clonal and seedling origin in Tamil Nadu (ICFRE, 2020-2022).
 4. Invasion impacts of *Acacia mearnsii* on changes in soil fertility status of shola forests in the Western Ghats (ICFRE, 2016-2018).
 5. Assessment of soil organic carbon under different land uses in Tamil Nadu (ICFRE, 2013-2017).
 6. Integrated Nutrient Management for improved growth of trees on overburden dumps (ICFRE, 2009-2013).

- Research Projects**
(As Co- Investigator)
1. AICRP on 'Assessment and monitoring of invasive alien plant species in India and formulation of strategies for management of key invasive alien plant species in different regions of the country' (CAMPA, 2019-2024).
 2. AICRP on Study of Climate driven effects on Indian Forests through long Term Monitoring (CAMPA, 2019-2024).
 3. Spatial mapping and modeling of wattle invasion for sustainable management of shola grassland ecosystem of Tamil Nadu (ICFRE, 2017-2020).
 4. Agro-forestry interventions and conservation of tree genetic resources of *Acaia leucophloea* in traditional Korangadu silvi-pasture system towards fodder security (ICFRE, 2017-2020).
 5. Evaluation of superior phenotypes of *Azadirachta indica* (Neem) for agroforestry systems (NMPB,)
 6. Evaluation of windbreaks for enhancing water use efficiency, crop productivity and climate change

resilience in farm lands in Semi-arid regions of Tamil Nadu (ICFRE, 2016-2020).

7. Screening tree species for intra species variation in carbon sequestration under elevated CO₂ (ICFRE, 2014-2017).
8. Productivity studies on commonly cultivated bamboo species in different agro climatic zones of Tamil Nadu (ICFRE, 2012-2017).
9. Reclamation of laterite soils using beneficial microbes in Kannur District (Kerala Forest Department, 2013-2016).
10. Tree rich Biobooster: A novel approach to synergise growth and pest management in fast growing industrially important tree species (ICFRE, 2012-2015).
11. Development of integrated dry land agro-forestry systems in Tamil Nadu for enhancing livelihood opportunities (TNSPC, 2012-2015).

Publications

- : National - 10
International -11
Manual -5
Chapters in books - 4
Reports - 8
Popular articles-29
Workshop/Seminar/Conference-20

Trainings

- : 1. Induction training for Scientists and Research Officers of ICFRE, organized by Forest Research Institute, Dehradun (10 weeks), 2010.
2. Open Source Quantum GIS, M/s. K Cube Consultancies Private Limited, Chennai at IFGTB (2011).
3. Effect of Invasive species/weeds on productivity of Forest Plantations and Natural Forests and different cost effective methods for their control, Kerala Forest Research Institute, Peechi (2011).
4. Convention on International Trade in Endangered

Species of Wild fauna and flora (CITES), IFGTB (2012).

5. Organized a two day training programme on 'Diagnosis of soil for production' to other stakeholders viz., NGO's, Panchayat, Elected Public Representatives, Representatives from Educational Institutions, Press, Media, Banking Institutions and Social activities during 28-29 January, 2014 sponsored by the Ministry of Environment and Forests (MoEF), New Delhi.
6. Participated in Study Tour on "Tree Crop Improvement" under the bilateral Sustainable Landscapes and Adaptation Program in US sponsored by USAID India in collaboration with MoEF from 02-12 September, 2014.
7. Training on "Scientific writing workshop" organized by Current Science Association, Bengaluru, held at Institute of Forest Genetics and Tree Breeding, Coimbatore during 17-22, January, 2017.
8. Training on 'Capacity building of ICFRE scientists on Access and Benefit Sharing' organized by the Institute of Forest Genetics and Tree Breeding, Coimbatore during 28-29, January, 2020.
9. Workshop cum training on "Methods to establish permanent plots to study forest dynamics at Mudumalai organized by the Institute of Wood Science and Technology, Bengalore Dehradun during 19-21, February, 2020.

Technical services for Soil and Water Testing : Technical services were rendered for the analysis of 4000 nos. of Soil, litter and water samples from various projects handled in the Institute as well as from NGOs and private organizations.

Other responsibilities : Chairman of the Official Language Implementation Committee of the Institute.

Contact Details : Silviculture and Forest Management Division
Institute of Forest Genetics and Tree Breeding
(Indian Council of Forestry Research and Education)

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