Project title	AICRP 22- Preparation of Forest Soil Health Cards under different Forest Vegetations in all the Forest Divisions of India
Principal Investigator	Dr.A.C. Surya Prabha, Scientist-D
Co-Investigators	Dr. A. Rajasekaran, Scientist-F
Project duration (Start & End)	2019-2022
Objectives	1. To prepare forest soil health cards under different vegetations and adjoining degraded land in all the Forest Divisions to enhance deficient nutrients through sustainable management practices and making plantations more successful 2. To diagnose forest soil fertility related constraints with the help of standard procedures, uniform sampling, data compilation and analysis thereof and to suggest divisional level management practices 3. To promote soil test-based nutrient management practices in different forest vegetations in the forest divisions for enhancing nutrient use efficiency 4. To build capacities of officials / field level staff of SFD's for promoting nutrient management practices for effective plantations 5. To strengthen the Forest Soil Testing Laboratories and develop a network with state owned soil testing laboratories. 6. To launch a forest soil health card portal on website for easy access to the various stakeholders.
Progress	• Soil samples (516 Nos.) were collected from 130 sampling points covering different forest types such as Dry Savannah Forest, Southern Moist Mixed Deciduous forest, Southern Dry Mixed Deciduous forest, Southern Secondary Moist Mixed Deciduous forest, Dry deciduous scrub, Southern Thorn Forest, Karnatak umbrella thorn forest, plantation/Trees outside forests and Non-forest in the Coimbatore, Namakkal, Pudukottai, Erode and Thanjavur, Sivagangai and Madurai Forest Divisions at three depths *viz*, 0-30, 30-60 and 60-90 cm. • In an area of 3x3m plot, and all woody litter *i.e.* branches below 5 cm diameter, leaf litter, dried fruits litter, barks were collected and fresh weight was recorded. 260 nos. of litter samples were collected from the representative sites.100gm sample of the litter from each litter collection plot was collected separately for

	determination of dry weight and stored for further analysis.
	• Processed soil samples were analyzed for the various physico-chemical properties *viz,* pH, EC, organic carbon, Available N, P, K, S, Available micronutrients (Fe, Mn, Zn Cu) and bulk density.
Funding agency	CAMPA, MOEFCC, GOI