

SPECIES - SCIENTIST - PROBLEM MATRIX

S. No.	Name	Existing species	Current Research Area	New Species	Target Problem
1.	Dr A. Balu	<i>Eucalyptus sp,</i> <i>Acacias</i>	Insect diversity; selection for pest resistance; biological pest control.	<i>Ailanthus spp., Neem,</i> <i>Artocarpus spp.,</i> <i>Thespesia, Melia,</i> <i>Gmelina, Khaya,</i> <i>Sweitenia, Populus</i>	Pests in nursery, forest and plantations; biological pest control.
2.	Dr A. Karthikeyan	<i>Eucalyptus sp,</i> <i>Casuarina</i>	Pathology; screening for pathogen resistance; beneficial micro- organisms	<i>Pterocarpus sp.,</i> <i>Dalbergias, Ceiba</i> <i>pentandra, Populus,</i> <i>Albizias, Grevillea,</i> <i>Toona, Acrocarpus</i> <i>fraxinifolius, Sandal,</i> <i>Bombax ceiba, Neem,</i> <i>Teak, Bamboo,</i> <i>Terminalias</i>	Diseases in nursery, forest and plantations; Problem soils (biofertilizers); Extension

3.	Dr A. Nicodemus	<i>Casuarina sp,</i> <i>Teak</i>	Breeding, clonal selection, hybridization	<i>Melia, Gmelina, Khaya</i>	Tree improvement /Genetics Industrial plantations
4.	Dr A. Shanthi	<i>Casuarina sp,</i>	Marker assisted selection	<i>Acacias, Ceiba, Sweitenia, Albizias, Terminalias</i>	Problem soils; Tolerance to salt stress; industrial plantations; tissue culture
5.	Dr A. Vijayaraghavan	<i>Eucalyptus sp,</i>	Clonal testing	<i>Sandal, Dalbergias, Sweitenia, Anthocephalus, Bamboo, Grevellia</i>	Climate change, Forest Evaluation, Fodder value of trees; medicinal plants; tribal food / NTFP active compound screening
6.	Dr B. Gurudev Singh	<i>Casuarina sp,</i> <i>Eucalyptus sp,</i> <i>Teak, Acacias</i>	Seed science and technology; Seed collection and supply and monitoring quality.	<i>Anthocephalus, Melia, Neem, Pterocarpus, Bombax, Populus, Mangroves, Bamboo</i>	Seed biology and seed bank; Ex-situ conservation, Restoration Ecology

7.	Dr B. Nagarajan	<i>Eucalyptus sp,</i> <i>Teak,</i> <i>Mangroves</i>	Reproductive biology; Hybridization; Conservation biology	<i>Pterocarpus sp,</i> <i>Dalbergias,</i> <i>Acacias, Tamarind,</i> <i>Neem</i>	Restoration ecology; plant-animal association; climate change; coastal restoration including mangroves
8.	Dr C. Buvaneswaran	<i>Acacias, Teak,</i> <i>Casuarinas</i>	Soil science; Agroforestry systems; Forest productivity; Carbon sequestration	<i>Terminalias, Melia,</i> <i>Pongamia, Neem,</i> <i>Khaya, Acrocarpus,</i> <i>Prosopis</i>	Climate change; Problem soils; agroforestry; extension
9.	Dr C. Kunhikannan	<i>Tree species of Silent Valley</i>	Plant taxonomy; Biodiversity conservation; ecorestoration; Botanic garden	<i>Forest Flora</i>	Restoration ecology; species recovery programmes; ex situ and in situ conservation; impact analysis studies; NTFP/tribal food, Climate Change, Forest Evaluation, EIA, Medicinal Plants

10.	Dr D. Thangamani	<i>Casuarina sp,</i>	Molecular markers	<i>Pterocarpus sp., Dalbergias, Acacias, Bombax , Populus, Artocarpus</i>	Problem soils; Tolerance to salt stress; industrial plantations
11.	Dr J.P. Jacob	<i>Casuarina sp, Eucalyptus sp,</i>	Insect – plant interactions; selection for pest resistance; biological pest control.	<i>Grevillea, Toona, Acrocarpus fraxinifolius, Sandal, Bombax ceiba, Terminalias, Albizias , Bamboo, Prosopis</i>	Pests in nursery, forest & plantations; biological pest control.
12.	Dr K. Palanisamy	<i>Teak</i>	Clonal propagation	<i>Melia, Gmelina, Khaya, Dalbergias, Bombax, Populus, Acrocarpus, Albizias, Sandal, Prosopis, Sweitenia</i>	Tree improvement (Propagation)
13.	Dr K. Panneerselvam	<i>Casuarina sp, Eucalyptus sp, Teak</i>	Organic manures and pesticides	<i>Pterocarpus sp., Dalbergias, Ceiba pentandra, Populus, Albizias, Tamarind, Mangroves</i>	Organic tree husbandry; medicinal plants, Climate Change, Forest Evaluation, EIA

14.	Dr K.R. Sasidharan	<i>Casuarina sp,</i>	Insect diversity; pest control and selection for pest resistance	<i>Dalbergias, Bombax ceiba, Toona ciliata, Sweitenia mahogany, Mangroves, Gmelina</i>	Forest valuation, EIA, Plant-animal association; Pest problem in nursery and plantations.
15.	Dr Maheshwar Hegde	<i>Terminalia Acacias, Artocarpus sp</i>	Breeding; Selection and conservation of NTFP species	<i>Bombax ceiba, Populus, Albizias</i>	Tree improvement /Genetics Livelihood issues
16.	Dr Modhumita	<i>Casuarina sp, Eucalyptus sp,</i>	Molecular marker assisted selection; Trait specific gene identification.	<i>Teak, Ailanthus, Gmelina, Sandal, Acacias</i>	Problem soils; Tolerance to salt stress; industrial plantations; tissue culture
17.	Dr N.V. Mathish	<i>Eucalyptus sp, Casuarina sp</i>	Genetic transformation; Bioinformatics	<i>Prosopis sp., TBOs, Acacia sp., Thespesia, Populus</i>	Problem soils; Tolerance to salt stress; industrial plantations; tissue culture

18.	Dr R. Yasodha	<i>Eucalyptus sp,</i> <i>Bamboos</i>	Tissue culture; Molecular marker assisted selection; Trait specific gene identification.	<i>Ailanthus, Sandal,</i> <i>Acrocarpus, Acacias,</i> <i>Dalbergias</i>	Problem soils; Tolerance to salt stress; industrial plantations; tissue culture
19.	Dr Rekha Warriar	<i>Aegle</i> <i>marmelos</i>	Cell and tissue culture; Biochemistry of medicinal plants	<i>Anthocephalus, Melia,</i> <i>Saraca, Sandal,</i> <i>Pterocarpus sp., Neem</i>	Medicinal plants; industrial plantations; Secondary timber sp.
20.	Dr S. Murugesan	<i>Aegle</i> <i>marmelos</i>	Entomology; Bioprospecting forestry species.	<i>Acrocarpus, Albizias,</i> <i>Neem, Eucalyptus,</i> <i>Terminalias, Prosopis,</i> <i>Teak, Bombax,</i> <i>Populus</i>	Fodder value of trees; medicinal plants; tribal food / NTFPs, active compound screening.
21.	Dr V. Mohan	<i>Acacias,</i> <i>Casuarina sp,</i> <i>Eucalyptus sp,</i>	Pathology; Biofertilizer; Fungal diversity.	<i>Pongamia,</i> <i>Anthocephalus,</i> <i>Acacias, Sweitenia</i> <i>mahogani, Ailanthus</i> <i>spp., Artocarpus spp.,</i> <i>Thespesia, Melia,</i>	Diseases in nursery, forest and plantations; problem soils (biofertilizers)

				<i>Gmelina, Khaya, Prosopis, Neem, Tamarind, Mangroves</i>	
22.	Dr V. Sivakumar	<i>Eucalyptus sp.</i>	Breeding, clonal selection; digital estimations	<i>Pterocarpus sp., Dalbergias, Ceiba pentandra, Sweitenia</i>	Tree improvement /Genetics Industrial plantations
23.	Dr. Senthilkumar	-	-	<i>Tamarind, Acacias, Melia, Gmelina, Thespesia, Mangroves</i>	Fodder value of trees; tribal food / NTFPs, active compound screening,
24.	Shri A. Mayavel	<i>Tamarind</i>	Selection and conservation of NTFP species	<i>Grevillea, Ceiba pentandra, Toona ciliata, Albizias, Mangroves, Neem</i>	Tree improvement /Genetics Post harvest technology; livelihood issues

25.	Shri D.R.S. Sekar	<i>Ailanthus sp.</i> <i>Eucalyptus sp.</i>	Selection and conservation of indigenous fast growing species	<i>Acrocarpus fraxinifolius, Populus, Albizias, Prosopis, Sandal</i>	Tree improvement /Genetics Secondary timber/ livelihood issues
26.	Shri Kannan Warriar	<i>Casuarina sp.</i>	Clonal selection; refining propagation	<i>Ailanthus spp., Artocarpus spp., Thespesia, Mangroves, Anthocephalus</i>	Tree improvement /Genetics/ Restoration Ecology/ Industrial plantations
27.	Shri M. Dominic	<i>Casuarinas, Bamboos, Pterocarpus sp.</i>	Silviculture; Population structure; Demo trials.	<i>Dalbergias, Bombax ceiba, Grevillea, Populus</i>	Restoration ecology; species recovery programmes; urban forestry; bamboos; agroforestry

28.	Shri N.P. Mahadevan	<i>Casuarina sp, Eucalyptus sp, Teak, Acacias</i>	Seed collection and supply and monitoring quality.	<i>Tamarind, Terminalias, Artocarpus, Ailanthus, Melia, Khaya, Gmelina, Dalbergias, Ceiba, Thespesia, Acrocarpus</i>	Seed bank management
29.	Shri R. Raja Rishi	<i>Gmelina, Ailanthus sp., Anthocephalus, Dalbergias</i>	Detection and control of insect pests	<i>Pongamia, Anthocephalus, Acacias, Sweitenia mahogani , Mangroves</i>	Pests in nursery, forest & plantations; biological pest control.
30.	Shri R. Vivekanandan	<i>Eucalyptus sp,</i>	Bioinformatics; Information and communication technology	<i>All IT details related to all species</i>	Bioinformatics; Information and communication technology, Forest Evaluation

31.	Shri S. Saravanan	<i>Eucalyptus sp,</i>	Agroforestry systems; Forest productivity; Carbon sequestration	<i>Artocarpus sp., Thespesia, Sandal, Tamarind, Neem, Ailanthus, Albizias, Anthocephalus</i>	Climate change, Water auditing; bioremediation; agroforestry
32.	Smt R. Anandalakshmi	<i>Jatrophas</i>	Seed handling; Tree borne oilseeds	<i>Pongamia, Ailanthus, Artocarpus, Thespesia, Grevellia, Toona, Terminalias, Ceiba, Pterocarpus, Khaya</i>	Bioremediation; biofuel; tribal food / NTFP; medicinal plants.
33.	Shri V.K.W. Bachpai	<i>Medicinal Plants</i>	Vegetation propagation	<i>Gmelina, Bamboos, Khaya, Toona, Eucalyptus sp., Grevillea</i>	Nursery research; industrial plantations; Agroforestry