

DEPARTMENT OF TRADE AND INTELLECTUAL PROPERTY
CENTRE FOR AGRICULTURAL AND RURAL DEVELOPMENT STUDIES
TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE
PATENTS GRANTED

S. No.	Year of Patenting	Name of the Scientists and Discipline	Inventions	Patent Number
1.	2003	Dr.S.Mohan, Professor of Agricultural Entomology	A device to remove insect eggs from stored pulse seeds	198434
2.	2004	Dr.Chendrayan, Professor of Agricultural Microbiology	Anaerobic microbial dissolution of lead and production of organic acids	4758345
3.	2004	Dr.K.Angappan, Associate Professor of Plant Pathology	A process of preparing a bio fertilizer cum bio fungicidal composition	191420
4.	2005	Dr.P.M.M. David, Professor of Agricultural Entomology	A multipurpose device for the management of insects and rodents	201482
5.	2006	Dr.R.Jagannathan, Professor of Agronomy	A process for preparation of coconut fertilizer briquette	210050
6.	2007	Dr. G.Kathiresan, Professor of Agronomy	Sugarcane detrasher	204273
7.	2011	Dr.V.Udayasuriyan, Professor of Biotechnology	A chimeric cry2A protein of <i>Bacillus thuringiensis</i> with higher insecticidal activity and a method for its development	244427
8.	2011	Dr.R.Balasaraswathi, Professor of Bio-technology	CDNA gene encoding a protein with plant anti-viral property from <i>Bougainvillea</i>	248606
9.	2012	Dr.K.Kailappan, Professor of Agricultural Processing	Process for the production of ready to cook mix and food from pearl millet	250608

Status of Patent Applications Filed by TNAU Scientists 2014-15

S. No.	Name of the Inventors and Discipline	Name of the Invention	Date of Filing with Application Number	Status
1.	Dr.S.Manimegalai, Associate Professor of Sericulture	Bed disinfectant for management of silkworm diseases	82/CHE/2006 Date of filing: 18.01.2006	Application is under Examination. Group: 2 (Biotechnology, Microbiology and Allied subjects)
2.	Dr.S.Raguraman, Professor of Agricultural Entomology	Neem sweet P-60 EC for the management of insect pests	744/CHE/2006 (Date of filing: 24.04.2006)	Application Awaiting Examination
3.	Dr.C.Divakar Durairaj, Professor of Farm Machinery	A micro- processor controller stepper motor driven electro mechanical seed metering system	1316/CHE/2006 Date of filing: 27.07.2006	Deemed to be Withdrawn U/S 11B(4)
4.	Dr.K.Thangavel, Professor of Agricultural Processing	An equipment to continuously remove the seeds from Aonla Fruit	1711/CHE/2007 (Date of filing: 03.08.2007)	Application Awaiting Examination
5.	Dr.P.Subramanian Professor of Environmental Science	Bio-Mineralizer for composting of different Agro - waste	1450/CHE/2007 Date of filing: 5.07.2007	Application is under Examination. Group:2 (Biotechnology, Microbiology and Allied subjects)
6.	Dr.P.Subramanian, Professor of Environmental Science	Bio- Capsule for influencing Rhizosphere of plant system for better crop growth and agricultural productivity	1451/CHE/2007 Date of filing: 5.07.2007	Application is under Examination Group:2 (Biotechnology, Microbiology and Allied subjects)
7.	Dr.S.Mohan, Professor of Agricultural Entomology	A device to monitor stored grain insects in bag stacks	1773/CHE/2008 (Date of filing: 24.07.2008)	Application Awaiting Examination
8.	Dr.G.Kathiresan, Professor of Agronomy	Herbicide Smearer	238/CHE/2008 (Date of filing: 29.01.2008)	Application Abandoned U/S 21(1)
9.	Dr.V.Udaya Suriyan, Professor of Biotechnology	Novel gene of <i>Bacillus thuringiensis</i> encoding insecticidal protein	476/CHE/2009 (Date of filing: 04.03.2009)	Application not yet published

10.	Dr..Sundararajan Amutha, Professor, Department of Human Development, HSC&RI, Madurai- 625104.	Coconut jelly making process and tender coconut jelly	197/CHE/2009 Date of filing: 29.01.2009	Application Examination	Awaiting
11.	Dr.M.Jawaharlal, Professor of Floriculture and Landscaping	Export packaging technology for jasmine (<i>Jasminum sambac</i> (L) <i>Ait.</i>) flowers	1370/CHE/2010 Date of filing: 14.05.2010	Application examination	awaiting
12.	Dr.S.Mohandass, Professor of Crop Physiology	Pink Pigmented Facultative Methylo troph (PPFM) Supplementation Technology for Mitigating Terminal Drought in Rice (<i>Oryza sativa</i> L.)	2137/CHE/2010 Date of filing: 28.07.2010	Application Examination	Awaiting
13.	Dr.S.Mohandass, Professor of Crop Physiology	Drip Fertigation Technology for Aerobic rice (<i>Oryza sativa</i>)	2138/CHE/2010 (Date of filing: 28.07.2010)	Application Examination	Awaiting
14.	Dr.R.Umarani, Associate Professor of Seed Science and Technology	Technology for secondary protein extraction for seed treatment and foliar spray application	845/CHE/2010 Date of filing: 29.03.2010	Application Examination	Awaiting
15.	Dr.V. Udaya Suriyan Professor of Biotechnology	Synthetic DNA sequence for production of insecticidal Cry 2AX1 protein in plants	3331/CHE/2010 Date of filing: 09.11.2010	Application Examination	Awaiting
16.	Dr.R.Umarani, Associate Professor of Seed Science and Technology	A seed pelleting mixture composition and seed pelleting protocol	233/CHE/2011 Date of filing: 25.01.2011	Application Examination	Awaiting
17.	Dr.R.Umarani, Associate Professor of Seed Science and Technology	A machine for pelleting of seeds	234/CHE/2011 Date of filing: 25.01.2011	Application Examination	Awaiting

18.	Dr.G.Kathiresan, Professor of Agronomy	Kathir Paddy Nursery for SRI	2269/CHE/2011 (Date of filing: 01.07.2011)	Request for Examination not filed
19.	Dr.R.Velazhahan, Professor of Plant Pathology	Herbal Formulation for Detoxification of Aflatoxins	1987/CHE/2011 (Date of filing 13.06.2011)	Application Not Yet Published
20.	Dr.M.Sivakumar, Professor of Plant Nematology	Composition having nematocidal activity from <i>Swieteniamahogany</i> (Meliaceae) seed kernel	1988/CHE/2011 Date of filing: 13.06.2011	Application Not Yet Published
21.	Dr.R.Jerlin, Associate Professor of Seed Science and Technology	An accurate, economical, fast track, DNA finger printing based genetic purity testing technique for commercial seed lot	2270/CHE/2011 Date of filing: 04.07.2011	Application Awaiting Examination
22.	Dr.R.Umarani, Associate Professor of Seed Science and Technology	Designer seed tape	3812/CHE/2011 Date of filing: 08.11.2011	Application Awaiting Examination
23.	Dr.R.Murugesan, Professor of Agricultural Microbiology	Process for separation of Amino mass, minerals and chitin from silkworm pupae bio-waste	3890/CHE/2011 Date of filing: 14.11.2011	Application Awaiting Examination
24.	Th.A.V.Gnanasambandam Agricultural Microbiology	Spices Wine	2423/CHE/2011 (Date of filing: 15.07.2011)	Application Awaiting Examination
25.	Dr.T.Jeyaraj, Director, TRRI, Aduthurai	Tree Killer	4640/CHE/2011 (Date of filing: 29.12.2011)	Application Not Yet Published
26.	Dr. R.Poorniammal, Research Associate of Agricultural Microbiology	IProcess for producing a natural yellow pigment by submerged fermentation of a fungi <i>Thermomyces sp</i>	4456/CHE/2011 Date of filing: 19.12.2011	Application Not Yet Published

27.	Dr.K.S.Subramanian, Professor of Nano Science and Technology	Nano-fertilizer formulation for smart delivery of nitrogen	4563/CHE/2011 Date of filing: 26.12.2011	Request for Examination not filed
28.	Dr.C.R.Ananda kumar Professor of Plant Breeding and Genetics, Madurai – 104	Relative water position method for early identification of drought resistance in rice cultivars	3383/CHE/2011 Date of filing: 29.09.2011	Request for Examination not filed
29.	Dr.G.Kathiresan, Professor of Agronomy	Cane Seedlings Pruner	241/CHE/2012 (Date of filing: 20.01.2012)	Request for Examination not filed
30.	Dr. M. Muthulakshmi, Senior Research Fellow of Plant Nematology	Bio formulation of egg parasitic fungi (<i>Engyodontium aranearum</i>) for control of potato cyst nematodes	399/CHE/2012 Date of filing: 02.02.2012	Application Awaiting Examination
31.	Dr.K.Kailappan, Professor of Agricultural Processing	A thresher cum winnower device	0013/DEL/2012 (Date of filing: 23.12.2011)	Application Does Not Exist
32.	Dr.G.Kathiresan, Professor of Agronomy	Low Cost Triangular Pointer for System of Rice Intensification (SRI)	5113/CHE/2012 Date of filing: 07.12.2012	Application Not Yet Published
33.	Dr. P.Gomathinayagam, Professor of Plant Breeding and Genetics	Induced Seminal Rooting (ISR) Technique for Rapid and Mass Screening of Rice Genetic Accessions for Deep Root System	161/CHE/2012 Date of filing: 16.01.2012	Request for Examination not filed
34.	Dr.Ganeshram, Professor of Plant Genetic Resources	Cut Grain Dip (CGD) method with Rapid Amylose Detection Solution (RADS) for determining Amylose Content (AC) in Rice	1266/CHE/2012 Date of filing: 30.03.2012	Application Awaiting Examination

35.	Dr.S.Vincent, Professor of Crop Physiology	Plant Growth Regulator Consortia for coconut	1604/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
36.	Dr.S.Vincent, Professor of Crop Physiology	Plant Growth Regulator Consortia for Pulse	1609/ CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
37.	Dr.S.Vincent, Professor of Crop Physiology	Plant Growth Regulator for Groundnut	1605/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
38.	Dr.S.Vincent, Professor of Crop Physiology	Nutrient Mix to Improve maize yield	1606/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
39.	Dr.S.Vincent, Professor of Crop Physiology	Nutrient Mixture to Reduce Iron Chlorosis in Sugarcane	1607/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
40.	Dr.S.Vincent, Professor of Crop Physiology	Nutrient Mix to Increase Cotton Yield	1608/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
41.	Dr.S.Vincent, Professor of Crop Physiology	Nutrient Mix to Increase Yield in Banana	1610/CHE/2012 (Date of filing: 24.04.2012)	Application Not Yet Published
42.	Dr.Sangeetha Panicker, Professor of Plant Pathology	Chemical Sterilization method of Mushroom spawn production	2796/CHE/2012 (Date of filing: 10.07.2012)	Application Not Yet Published
43.	Th. A.V.Gnanasambandam, Agricultural Microbiology	Herbal Wine	4535/CHE/2012 (Date of filing: 31.10.2012)	Application Not Yet Published
44.	Dr.S.Prabhu, Assistant Professor of Plant Nematology	Water Soluble gel formulation comprising of entomopathogenic nematodes and its preparation	5227/CHE/2012 Date of filing: 14.12.2012	Application Not Yet Published
45.	Dr.R.Murugesan, Professor of Agricultural Microbiology	Synthesis of protein hydrolysates through bacterial extraction from Azolla biomass	3612/CHE/2012 Date of filing: 31.08.2012	Application Awaiting Examination

46.	Dr.R.Murugesan, Professor of Agricultural Microbiology	Bacterial fermentation process for extraction of protein hydrolysate from yeast biomass	3712/CHE/2012 Date of filing: 31.08.2012	Application Awaiting Examination
47.	Dr.R.Murugesan, Professor of Agricultural Microbiology	Method for control of sugarcane red root disease causing fungus	3266/CHE/2012 (Date of filing: 08.08.2012)	Application Not Yet Published
48.	Dr.W.Baby Rani, Associate Professor, of Agricultural Entomology	Trap design for efficient trapping of brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (GUENEE)	3070/CHE/2012 Date of filing: 26.07.2012	Application Not Yet Published
49.	Dr.G.Kathiresan, Professor of Agronomy	Natural warm water unit	243/CHE/2013 (Date of filing: 18.01.2013)	Application Not Yet Published
50.	Dr.R.Murugesan, Professor, Agricultural Microbiology	Mass Multiplication Technique for Pink Pigmented Facultative Methylophs (PPFM)	2641/CHE/2013 Date of filing: 18.06.2013	Application Not Yet Published
52.	Dr.P.Kamaraj, Assistant Professor of Farm Machinery	Hand Operated Farm Tool for Removing Mother Shoots of Sugarcane Crop	3037/CHE/2013 Date of filing: 08.07.2013	Application Not Yet Published
53.	Dr.R.Thaiyaran, Assistant Professor of Farm Machinery	Multipurpose Machine for Roto Tilling and Bush Cutting	3653/CHE/2013 Date of filing: 16.08.2013	Application Not Yet Published
54.	Dr.P.Srimathi, Professor of Seed Science and Technology	Noni based agroceutical formulation for seed priming and foliar spray and its method of preparation	4027/CHE/2013 Date of filing: 10.09.2013	Application Not Yet Published
55.	Dr.K.Kailappan, Professor of Food and Agricultural Process Engineering	Cleaner for Onion Seed(APR4)	5417/CHE/2014 Date of filing 30.10.2014	Complete

56.	Dr.K.Kailappan, Professor of Food and Agricultural Process Engineering	Pre-thresher, Thresher and Pre-cleaner for Onion Umbels (APR 5)	5413/CHE/2014 Date of filing 30.10.2014	Complete
57.	Dr.U.Sivakumar, Professor of Agricultural Microbiology	High Level Secretion and Method of Production of Laccase (LccH) by a Novel Basidiomycetus Fungus MSF2 and Uses Thereof (AGM9)	645/CHE/2015 Date of filing: 10.02.2015	Complete
58.	Dr.U.Sivakumar, Professor of Agricultural Microbiology	ENZOLV; A Novel Process for Simultaneous Delignification and generation of high value chemical generation from lignocellulosic biomass using Laccase (Lcch)	3806/CHE/2015 Date of Filing: 24.07.2015	Complete