

TNAU Patents

Table 1. Patents Granted

Department	Invention	Patent Number
2003 Dr.S.Mohan, Professor (Agrl.Entomology)	A device to remote insect eggs from stored pulse seeds	198434
2004 Dr.Chendrayan, Professor, (Microbiology)	Anaerobic microbial dissolution of lead and production of organic acids	4758345
Plant Pathology	A process of preparing a bio fertilizer cum bio fungicidal composition	191420
2005 Dr.P.M. M. David, Professor (Agrl. Entomology)	A multipurpose device for the management of insects and rodents	201482
2006 Dr.R.Jagannathan, Professor and Head, (Agrl.Meteorology)	Process for preparation of coconut fertilizer briquette	210050
2007 Dr. Kathiresan, Director, (Planningand Monitoring)	Sugarcane detrasher	204273
2011 Dr.V.Udayasuriyan, Professor	A chimeric cry2A protein of Bacillus thuringiensis with higher insecticidal activity and a method for its development	244427

(Biotechnology)		
Dr.Balasaraswathi, Professor (Bio-technology)	CDNA gene encoding a protein with plant anti-viral property from Bougainvillea	248606
2012 Dr.K.Kailappan, Professor, (Agrl.Processing)	Process for the production of ready to cook mix and food from pearl millet	250608

Table 2. Patents Filed

S.No	Department	Invention	Application Number
1	2006 Dr.S.Manimegalai, Associate Professor, Sericulture	Bed disinfectant for management of silkworm diseases	82/CHE/2006
2	Dr.S.Raguraman, Professor, Entomology	Neem sweet P-60 EC for the management of insect pests	744/CHE/2006
3	Dr.C.Divakar Durairaj , Professor, Farm Machinery, College of Agricultural engineering	A micro- processor controller stepper motor driven electro mechanical seed metering system	1316/CHE/2006
4	2007 Dr.K.Thangavel, Professor, Agricultural Processing	An equipment to continuously remove the seeds from Aonla Fruit	1711/CHE/2007
5	Dr.P.Subramanian,	Bio-Mineralizer for composting of	1450/CHE/2007

	Professor, Environmental Science	different Agro waste	
6	Dr.P.Subramanian, Professor, Environmental Science	Bio- Capsule for influencing Rhizosphere of Plant system for better crop growth and Agricultural Productivity	1451/CHE/2007
7	2008 Dr.S.Mohan, Professor, Agriculture Entomology	A Device to Monitor Stored Grain Insects in Bag Stacks	1773/CHE/2008
8	Dr.G.Kathiresan, Director, Planning and monitoring	Herbicide Smearer	238/CHE/2008
9	2009 Dr.Udaya Suriyan, Professor, Agriculture Biotechnology	Novel gene of bacillus thuringiensis encoding insecticidal protein	476/CHE/2009
10	2010 Dr.M.Jawaharlal, Professor Floriculture, and Landscaping	Export packaging technology for jasmine (Jasminum sambac Ait.) flowers	1370/CHE/2010
11	Dr.S.Mohandass, Professor, Water Technology Centre	PinkPigmentedFacultative Methylo troph (PPFM) Supplementation Technology for Mitigating Terminal Drought in Rice (Oryza sativa L.)	2137/CHE/2010
12	Dr.S.Mohandass, Professor, Water Technology Centre	DripFertigation Technology for Aerobic rice (Oryza sativa)	2138/CHE/2010

13	Dr.R.Umarani, Associate Professor, Seed Science and Technology	Technology for secondary protein extraction for seed treatment and foliar spray application	845/CHE/2010
14	Dr.Udaya Suriyan, Professor, Biotechnology	Synthetic DNA sequence for production of insecticidal Cry 2AX1 protein in plants	3331/CHE/2010
15	2011 Dr.R.Umarani, Associate Professor, Seed Science and Technology	A seed pelleting mixture composition and seed pelleting protocol	233/CHE/2011
16	Dr.R.Umarani, Associate Professor, Seed Science and Technology	A machine for peleting of seeds	234/CHE/2011
17	Dr.G.Kathiresan, Director, Planning and Monitoring	Kathir Paddy Nursery for SRI	2269/CHE/2011
18	Dr.R.Velazhahan, Professor , Plant Pathology	Herbal Formulation for Detoxification of Aflatoxins	1987/CHE/2011
19	Dr.M.Sivakumar, Professor and Head, Department of Nematology	Composition having nematocidal activity from <i>Swieteniamahogany</i> (Meliaceae)seed Kernal	1988/CHE/2011
20	Dr.R.Jerlin Associate Professor, Dept. of Seed science and	An accurate, economical, fast track, DNA finger printing based genetic purity testing technique	2270/CHE/2011

	technology	for commercial seed lot	
21	Dr.R.Umarani, Associate Professor, Dept. of Seed science and technology	Designer seed tape	3812/CHE/2011
22	Dr.R.Murugesan, Professor, Microbiology	Process for separation of Amino mass, minerals and chitin from silkworm pupae bio-waste	3890/CHE/2011
23	A.V.Gnanasambandam Microbiology	Spices Wine	2423/CHE/2011
24	Dr.T.Jeyaraj Director, TRRI,Adurai, Plant Pathology	Tree Killer	4640/CHE/2011
25	Dr.Poornimal RA, Micro biology	Process for producing a natural yellow pigment by submerged fermentation of a fungi thermomyces sp	4456/CHE/2011
26	Dr.Subramani, Nano science and technology	Nano-fertilizer formulation for smart delivery of nitrogen	4563/CHE/2011
27	C.R.Ananda kumar, Professor (PB&G), Plant breeding and genetic AC&RI	Relative water position method for early identification of drought resistance in rice cultivars	3383/CHE/2011
28	2012 Dr.G.Kathiresan, Director, Planning and Monitoring	Cane Seedlings Pruner	241/CHE/2012

29	Dr. M. Muthulakshmi Senior Research Fellow, Nematology	Bio formulation of Egg parasitic fungi (<i>Engyodontium aranearum</i>) for control of potato cyst nematodes	399/CHE/2012
30	Agricultural processing	A thresher cum winnower device	0013/DEL/2012
31	Dr.S.Prabhu, Assistant Professor, Agricultural Nematology	Water soluble gel formulation comprising of entomopathogenic nematodes and its preparation thereof	
32	Dr.G.Kathiresan, Director, Planning and Monitoring	Low Cost Triangular Pointer for System of Rice Intensification (SRI)	
33	Dr. P.Gomathinayagam, Professor, Plant breeding and genetic AC&RI	Induced Seminal Rooting (ISR) Technique for Rapid and Mass Screening of Rice Genetic Accessions for Deep Root System	161/CHE/2012
34	Dr.W.Baby Rani, Associate Professor, Agricultural Entomology	Trap design for efficient trapping of Brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (GUENEE)	3070/CHE/2012
35	Sangeetha panicker, SRS,Cuddalore, Sugarcane Research Station	Chemical Sterilization Method of Mushroom Spawn Production	2796/CHE/2012
36	Dr.Ganeshram, Professor, Plant Genetic Resource	Cut grain dip (CGD) method with Rapid Amylose Detection Solution (RADS) for determining amylose content (AC) in Rice	1266/CHE/2012
37	Dr.R.Murugesan,	Method for the control of	3266/CHE/2012

	Professor, Agricultural Microbiology	sugarcane Red rot disease causing fungus colletotrichum falcatum using flavonoid compound psoralen isolated from psoralea corylifolia	
38	Dr.R.Murugesan, Professor, Agricultural Microbiology	Synthesis of protein hydrolysates through bacteria extraction from Azolla Biomass	3612/CHE/2012
39	Dr.R.Murugesan, Professor, Agricultural Microbiology	Bacterial fermentation process for extraction of protein hydrolysate from yeast biomass	3712/CHE/2012
40	A.V.Gnanasambandam, Agricultural Microbiology	Herbal Wine	4535/CHE/2012
41	Dr.H.Vijaya Ragahavan, Crop Physiology	PGR Consortia for coconut	1604/CHE/2012
42	Dr.H.Vijaya Ragahavan, Crop Physiology	PGR Consortia for Pulse	1609/CHE/2012
43	Dr.Vincent, Crop Physiology	Plant Growth Regulated for Groundnut	1605/CHE/2012
44	Dr.Vincent, Crop Physiology	Nutrient mix to improve maize yield	1606/CHE/2012
45	Dr.H.Vijaya Ragahavan, Crop Physiology	Nutrient mixture to reduce Iron chlorosis in sugarcane	1607/CHE/2012
46	Dr.Vincent, Crop Physiology	Nutrient mix to increase cotton yield	1608/CHE/2012
47	Dr.H.Vijaya Ragahavan, Crop Physiology	Nutrient mix to increase yield in banana	1610/CHE/2012
48	2013 Dr.G.Kathiresan, Director, Planning and Monitoring	Natural warm water unit	Application No. Yet to be received

Table 3. Private Patents Filed

S.No	Name	Invention	Application Number
1	2010 R.Rajkumar	Thoroughbred Roof Insulation	2893/CHE/2010
2	M.P. Rajkumar	Mobile based Irrigation Scheduling Equipment	3041/CHE/2010
3	2011 S.Durai samy	Moving lever Hand Weeder	3748/CHE/2011
4	2012 Dr.Subashini	Cosmeceutial products based on allantoin rich extracts of pisonia alba	84/CHE/2012
5	Dr.Subashini	Medicinal Products based on allantoin rich extracts of pisonia alba	85/CHE/2012
6	S.Selva Kumar	Tractor Drawn Manual Turmeric Rhizome Planter	5370/CHE/2012