

VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)

List of Patents filed by our own staff and students - Last Five years

S. No	Patent Title	Inventors	Patent Application Filed No	Filed Date	Published Date	Status
1.	Smart Cost Effective Tele-surgical Robot for Surgery	Arun Raaza and Students Team	300/CHE/2012 A	25/01/2012	03/02/2012	Examination On process
2.	Formulation and Evaluation of Rivastigmine Tartrate Microspheres	Dr.V.Ravichandran	301/CHE/2012 A	25/01/2012	03/02/2012	Final Stage to be Awarded
3	A Potent Immunostimulant chemically separated from a Marine macroalga(Seaweed) for Prophylactic (Preventive) Health management in Finfish Aquaculture	Dr.R. Dinakaran Micheal	2271/CHE/2012	06/06/2012	10/08/2012	Examination On process
4.	Preparation of Analytical Tablets and Capsules for Identification of Tuberculosis Bacterium	Dr.V. Ravichandiran Dr.Selvakumar	2272/CHE/2012	06/06/2012	10/08/2012	Examination On process
5.	Herbal Formulation for Water Haycynth Extermination	Dr.V. Ravichandiran Mr.S.Murthy	2273/CHE/2012	06/06/2012	10/08/2012	Examination On process
6.	“Gallic acid and its bio potencial of Acanthophora spicifera with Characterization.”	Dr.V.Ravichandiran V.Lavakumar	623/CHE/2013	14/02/2013	10/10/2014	Examination On process
7.	“Chlorophyllin as an anticancer agent from Morindacitrifolia L.”	Dr.N. Banu Ms.S.Pavithra * Dr.K.Rajagopal	624/CHE/2013	14/02/2013	10/10/2014	Examination On process

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8.	“Molecular Docking Novel Semicarbozone”	Dr. V. Ravichandiran Dr. N.Venkateshan	625/CHE/2013	14/02/2013	10/10/2014	Examination On process
9.	120* Beam Steerable Antenna of UWB Communication	Dr.Arun Razaa, Dr.K.Sekhar, Mr.K.Ramesh, Mr.S.Prabhu, Sathishkumar.P* Sindhura G	3397/CHE/2014	08/08/2014	01/07/2015	Examination On process
10.	Conventional Oral Hearing Aid for Unilateral Hearing Loss	DR.M.Chandrasekar, Mr.C.Dhanasekar, Dr.Arun Raaza, Mr.Vishal Mohan, Mr.Nithesh Mayilvahanan, Mr.Veerselvan Raja	3898/CHE/2014	08/08/2014	01/07/2015 (Req. of Examination filed on 31.08.16)	Examination On process
11	Mobile Controlled Combat Vehicle	Dr.Arun Razaa, Dr.K.Sekhar, Mr.K.Ramesh, Dr.M.Chandrasekar, Mr.S.Prabhu, Mr.Vishal* Mohan, Mr.Nithesh Mayilvahanan,* Mr.Veerselvan Raja*	3899/CHE/2014	08/08/2014	01/07/2015 (Req. of Examination filed on 31.08.16)	Examination On process
12	An efficacious marine plant-derived immunostimulant for preventing diseases in carps and other fish	Dr.Dinakaran Micheal Ms.Priyatharshni Rajendran	524/CHE/2015	03/02/2015	13/02/2015	Examination On process
13	Apparatus and method for Welding	E. Vinoth Kumar * Student of B.E., Mechanical	1037/CHE/2015	04/03/2015	13/03/2015	Examination On process

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14	“Cost effective hybrid solar charger controller:	S.Prabhu Asst. Professor ECE Department	2502/CHE/2015	19/05/2015	05/06/2015	Examination On process
15	On Road Dust extraction system	Hariharan Venkatesan,* Ruban Abraham * Dr.Chandrasekaran.M, Dr.Arun.S, Ms.Sibi	3560/CHE/2015	13.07.2015	24/07/2015 (Req. of Examination filed on 31.08.16)	Examination On process
16.	Tangential suspension system for Two wheeler Automobiles	Sathish Pandian * B.Rajiv Gandhi, * K.Ganesh * Dr.Chandrasekaran.M, Ms.N.Sibi	3561/CHE/2015	13.07.2015	24/07/2015 (Req. of Examination filed on 20.03.17)	Examination On process
17.	Sea weed–derived immunostimulant for protecting murrels (Snake head fish) and other culture fishes from diseases	Dr. R. Dinakaran Michael and Ms. S. Kalaivani Priyadarshini	4022/CHE/2015	03.08.2015	14.08.2015 (Req. of Examination filed on 20.03.17)	Examination On process
18.	An Aqua Fuel Kit	Dr.M.Chandrasekaran & Team	4021/CHE/2015	03.08.2015	11.09.2015 (Req. of Examination filed on 20.03.17)	Examination On process
19.	Design and implementation of Water Quality Evaluating System Using GSM	Rekha Mahendran, Divyasree.M, R, Sridevi M	5083/CHE/2015	23.09.2015	09.10.2015	Published
20.	Self Activating Aircraft Disaster Recovery System	Lavanya.V, Sivakumar.K, Vijayalakshmi.P	5084/CHE/2015	23.09.2015	09.10.2015	Published

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21.	Portable Comforter	Dr.Arun Raaza and Team	201641027315	10.08.2016	26.08.2016	Published
22.	A Polysaccharide Immunostimulant for Preventing Diseases in Finfish Aquaculture	Dr.Dinakaran Micheal	201641027311	10.08.2016	26.08.2016	Published
23.	Twin Crown Piston (Design Patent)	Dr.M.Chandrasekar Mr.Sibi navaneetha Krishnan Mr.Vinodkumar	Ref. 287078 CBR – 24191	16.09.2016	-	Final Stage to be Awarded
24.	A wall climbing and Window cleaning Robot (Design Patent)	Dr.M.Chandrasekar Mr.Sibi navaneetha Krishnan	Ref. 288056 CBR - 28666	26.09.2016	-	Final Stage to be Awarded
25	Intelligent Flame monitoring in Power Station Using IOT	Dr.R.Krishnakumar, EEE Dr. Sujatha, Professor, Dr. MGR University	201641039202	17.11.2016	Yet to publish	Provisional filing
26.	Electrochemical In-situ Hydrogen storage for Nanoporous Carbonaceous and Metal-doped Carbonaceous Materials	Dr.Raghu and Team Chemistry	201641041463	05.12.2016	Yet to publish	Provisional filing
27	Air “O” Spring suspension system	Manoj Kumar Malai Kannan Ramachandran Soundararajan Dr. Chandrasekaran Manoharan Sibi Navaneetha Krishnan	201741000346	04.01.2017	27.01.2017	Published

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28	“Compressed Air production system for Automobiles	Vivek Palanisamy Dr. Chandrasekaran Manoharan Mr. Sibi Navaneetha Krishnan Mr. Vinod Kumar Thangaraj	201741000345	04.01.2017	07.07.2017	Published