



**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES &
TECHNOLOGY BIOMEDICAL TECHNOLOGY WING, POOJAPPURA,
TRIVANDRUM –12**

(An Institute of National Importance under Govt. Of India)

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PATENTS FILED

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PATENTS (INDIA) FILED

Sl. No	Application No.	Date of filing	Title of Invention	Date of publication	Inventors
1.	2002/CHE/2012	21/05/2012	A COMPOSITE FOR PREPARING RADIATION SHIELDING MATERIALS	22/11/2013	Roy Joseph, Kiran Sukumaran
2.	5649/CHE/2013	07/12/2013	A METHOD FOR FABRICATING CORNEAL-GRAFTS USING MAMMALIAN CHOLECYST-DERIVED EXTRACELLULAR MATRIX.	25/12/2015	Thapasimuthu Vijayamma Anilkumar Sainulabdeen Anoop Syam Kunnekkattu Venugopal
3.	6135/CHE/2013	27/12/2013	A PROCEDURE FOR FABRICATING AND USING DECELLULARIZED PORCINE CHOLECYST AS MUSCLE GRAFT FOR REPAIRING FULL OR PARTIAL THICKNESS ABDOMINAL DEFECT/HERNIA	28/08/2015	Dhanush Krishna Balakrishnan Nair Syam Kennekkattu Venugopal Narayanan Divakaran Nair Thapasimuthu Vijayamma Anilkumar
4.	4543/CHE/2015	28/08/2015	FIBRIN WAFER FOR SUSTAINED LOCAL DELIVERY OF HUMAN ALBUMINATED CURCUMIN	03/03/2017	Lissy Kalliyana Krishnan Ranjith Sankarankutty Kartha
5.	201641019235	02.06.2016	GOLD QUANTUM CLUSTER FOR TARGETED BRAIN IMAGING AND DELIVERY OF FOREIGN MOLECULES (DRUGS, NUTRIENTS, THERAPEUTICS ETC.) THROUGH BLOOD BRAIN BARRIER	08/12/2017	Jayasree Ramapurath Sarojini amma Lakshmi Vijayan Nair

6.	201741031544	06/09/2017	BIOACTIVE RESORBABLE ELECTROSPUN FIBER MATS WITH GRADED STRUCTURE FOR PERIODONTAL TISSUE BARRIER APPLICATIONS	08/03/2019	Manoj Komath, Anilkumar Pallicka veedu Rajan Asari
7.	201741032817	16/09/2017	A PORTABLE DEVICE AND A METHOD FOR LOCATING THE SUPERFICIAL VEINS OF HUMAN BODY FOR INTRAVENOUS PUNCTURE AND TRACING THE ROUTE OF VEINS WITH PERIPHERAL SCANNING	22/03/2019	Sarath sasidharan Nair, Nagesh Divakara Panickar Sulochana, Bejoy Thomas
8.	201841007029	24/02/2018	A MOLD FOR CORTICAL ELECTRODE FABRICATION WITH LEAD REINFORCEMENT MECHANISM	30/08/2019	Jithin Krishnan Chirathody Vayalappil Muraleedharan Rethnagireeshwar Rajalingam Biju Benjamin
9.	201841018156	15/05/2018	PREPARATION OF CURCUMIN INCORPORATED CHOLECYSTIC EXTRACELLULAR MATRIX HYDROGEL (CEMH) FORMULATIONS.	22/11/2019	Thapasimuthu Vijayamma Anilkumar, Akhila Rajan, Geetha Chandrika Surendran
10.	201841020267	30/05/2018	A TUNABLE BIOINK FOR 3D BIOPRINTING AND THE PROCESS FOR THE PREPARATION THEREOF	06/12/2019	Roy Joseph Praveen Kunjan Sobhan
11.	201841038669	11/10/2018	AN ABSORBABLE SKIN SUBSTITUTE WITH COMBINATION MATRIX OF AMNION,FIBRIN AND HYALURONIC ACID (AM-F-HA) FOR WOUND	17/04/2020	Lissy Kalliyankrishnan Rashmi Ramakrishnan

			REGENERATION AND THE PROCESS THEREOF.		
12.	201941022982	10/06/2019	A POROUS INJECTABLE, FREEZE-DRIED HYDROGEL SCAFFOLD AIDING DERMAL REGENERATION AND PROCESS OF PREPARATION THERE OF	11/12/2020	Lissy Kalliyankrishnan Rashmi Ramakrishnan Biman Behari Mandal Dimple Chouhan
13.	201941006800	21/02/2019	BIOINK FORMULATION SUITABLE FOR LOW TEMPERATURE	07/05/2021	Roy Joseph Praveen Kunjan Sobhan
14.	201941003328	28/01/2019	A VOICE PROSTHESIS DEVICE WITH A ONE-WAY SHUNT VALVE	31/07/2020	Bipin Thomas Varghese, Sujeshsreedharan, Kollengode Ramanathan Mahesh, Akhil
15.	201841049655	28/12/2018	A BRAIDED CUFF FOR PREVENTING ENDOLEAKS IN STENT GRAFTS	03/07/2020	Sujesh sreedharan, Krishna kumar sreekumaran
16.	201941006810	21/02/2019	A TUNABLE HYBRID HYDROGEL	07/05/2021	Reshmi Raj, Thapasimuthu Vijayamma Anil kumar, Praveen Kunjan Sobhan
17.	201941013671	04/04/2019	VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF), WHICH ENHANCES ANGIOGENESIS	09/10/2020	Anoopkumar Thekkuveettil Sheeja Liza Easo Geethu Shaji
18.	201941022802 Awaiting Examination	08/06/2019	A BRAIDED STENT	11/12/2020	Sujesh Sreedharan, Narayanan Kakkad, Santhosh Kumar Kannath
19.	201941027295	08/07/2019	AN INORGANIC-ORGANIC HYBRID RESIN BASED RADIOPAQUE BIOACTIVE COMPOSITE AND THE PROCESS THEREOF	15/01/2021	Lizymol Philipose pampady kandathil Vibha Chandrababu
20.	201941031304	02/08/2019	CELL GROWTH ENHANCING BIOINK FORMULATION FOR 3D BIOPRINTED CONSTRUCTS	05/02/2021	Anugya bhatt,Naresh Kasoju,Roy Joseph,Lakshmi Thompil Somasekharan,Gayathri Prameela Jayachandran

21.	201941037451	17/09/2019	AN INVITRO NIDUS DEVICE TO EVALUATE LIQUID EMBOLIC AGENTS	19/03/2021	Arvind Kumar Prajapati, Roy Joseph, Jayadevan Enakshy Rajan
22.	201941042440	18/10/2019	3D PRINTED BIPHASIC SCAFFOLD FOR TRACHEAL RECONSTRUCTION	23/04/2021	Prabha Damodaran Nair Rahul Velikkakath Gopi
23.	201941042426	18/10/2019	A PROCESS FOR DEVELOPING UNIFORM SURFACE TOPOGRAPHY MAINTAINED CARDIAC-PATCH FROM PORCINE CHOLECYST, DERIVED EXTRACELLULAR MATRIX	23/04/2021	Reshma Sukumaran Nair, Praveen Kunjan Sobhan, Thapasimuthu Vijayamma Anilkumar
24.	201941043077	23/10/2019	A BIOLOGICAL FLUID COMPONENT SEPARATOR AND THE MECHANISM THEREOF	30/04/2021	Subin Sukesan, Renjith parameswaran nair, Sarvana Babu Madhur Sampoornam, Prabha Damodaran Nair, Rupa Sreedhar, Shrinivas Vitthal Gadhinglajkar, Prasanta Kumar Dash, Nitha Jayaram, Anugya Bhatt Subhash Neyyattinkara Neelakandan Muraleedharan Chirathody Vayalappil Naresh Kasoju
25.	201941053786	24/12/2019	DEVICE WITH A CLIP-ON SCAFFOLD FOR ENGINEERING CO-CULTURED TISSUE CONSTRUCTS AND METHODS OF USE AND APPLICATIONS THEREOF	25/06/2021	Naresh Kasoju, Anilkumar Pallicka veedu Rajan Asari, Venkatesan Ramesh Babu, Jimna Mohamed Ameer
26.	202041007100	19/02/2020	A MICRODIALYSIS PROBE AND METHOD OF MANUFACTURING THEREOF	27/08/2021	Chhavi Gupta, Vinodkumar Viswanathan Pillai, Ajay Prasad Hrishi Puzhankara, Easwer Hariharan Venkat
27.	202041032109	27/07/2020	CAVITY CONFORMABLE SURGICAL SPACE STENT RETRACTOR	28/01/2022	Arvind Kumar Prajapati George Chandy Vilanilam

28.	202041007961	25/02/2020	A PROCESS FOR MODIFYING MAMMALIAN CHOLECYSTIC EXTRACELLULAR MATRIX THAT PROMOTES DIABETIC WOUND HEALING.	27/08/2021	Thapasimuthu Vijayamma Anilkumar, Praveen Kunjan Sobhan, Manjula Puthupparambil Mony
29.	202041012139	20/03/2020	MULTI-COMPONENT PEPTIDE BASED BIOINK FOR BIOPRINTING OF TISSUE CONSTRUCTS	24/09/2021	Anugya Bhatt, Renjith parameswaran nair, Lakshmi Thompil Somasekharan, Riya Raju, Suvanish Kumar, Naresh Kasoju
30.	202041013409	27/03/2020	POINT OF CARE TESTING PROTOCOL BASED ON RT-LAMP FOR RAPID DETECTION OF CORONAVIRUS SARS-COV-2	01/10/2021	Anoopkumar Thekkuveetil, Amal Wilson Varghese, Swathy Suresh Nair, Rasitha Santhosh Kanakalatha, Anjana Usha, Ria Elza Varghese
31.	202041014164	31/03/2020	DEPLOYABLE FIELD UNITS FOR EMERGENCY RESPONSE.	08/10/2021	Subhash Neyyattinkara Neelakandan, Muraleedharan Chirathody Vayalappil
32.	202041014548	01/04/2020	ISOLATION POD FOR THE ISOLATION / TRANSPORTATION OF INFECTED PATIENTS.	08/10/2021	Sarath Gopalakrishnan, Sethuramen Manikandan, Vinodkumar Viswanathan Pillai, Sarath sasidharan Nair, Nagesh Divakara Panickar Sulochana
33.	202041015783	11/04/2020	OROPHARYNGEAL SWAB	15/10/2021	Shiny Velayudhan, Maya Nandkumar , AnilKumar Pallicka veedu RajanAsari, Manoj Komath , Anugya Bhatt
34.	202041015212	07/04/2020	A KIT FOR THE RAPID DETECTION OF COVID-19 IGG/IGM ANTIBODIES USING IMMUNOCHROMAT OGRAPHIC TECHNIQUES.	08/10/2021	Anugya Bhatt, Manoj Gopi, Renjith parameswaran Nair, Jyothi Embekkat Kaviyil, Dinoop Korol Ponnambath, Ranjith Sankarankutty Kartha, Priyanka Ajitha, Anilkumar Velayudhan, Vani Maya.
35.	202041020471	15/05/2020	A FORMULATION OF PURE DIMETHOXY CURCUMIN-HUMAN SERUM ALBUMIN AND A PROCESS FOR THE PREPARATION THEREOF	19/11/2021	Lissy Kalliyana Krishnan, RenjithParameswaran Nair,Mejo Chiratteparambil Korah,Deepa Sathee

36.	202041015925	13/04/2020	SWAB COLLECTION BOOTH	22/10/2021	Ramesh Babu, Muraleedharan Chirathody Vayalappil, Arvind Kumar Prajapati, Kelekanjeri Ganapathi Vishwanathan Siva Kumar, Saurabh Nair, Nagesh Divakara Panickar Sulochana
37.	202041016519	16/04/2020	RAPID VIRAL RNA ISOLATION PROTOCOL.	22/10/2021	Anoopkumar Thekkuveetil, Amal Wilson Varghese, Swathy Suresh Nair, Rasitha Santhosh Kanakalatha
38.	202041018961	04/05/2020	DUAL-CHAMBER SWAB COLLECTION BOOTH	12/11/2021	Ramesh Babu, Muraleedharan Chirathody Vayalappil, Asha Kishore, Arvind Kumar Prajapati, Kelekanjeri Ganapathi Vishwanathan Siva Kumar, Saurabh Nair
39.	202041019145	05/05/2020	INTUBATION ISOLATION BOX	12/11/2021	Sarath Gopalakrishnan, Nagesh Divakara Panickar Sulochana, Vinod Kumar Viswanathan Pillai, Sethuramen Manikandan
40.	202041020015	12/05/2020	UNIVERSAL TRANSPORT MEDIUM	19/11/2021	Akhandanandan Maya Nandkumar, Anil Kumar Pallicka veedu Rajan Asari, Anugya Bhatt, Keerthi Santhosh kumar
41.	202041020378	14/05/2020	FLOCKED SWABS AND A PROCESS FOR THE MANUFACTURE THEREOF (Joint Application with MALLELIL INDUSTRIES PVT LTD)	19/11/2021	Lynda Velutheril Thomas, Ashok Sreedhar, Neethu Mohan, Rahul, Jijo Wilson
42.	202041028700	06/07/2020	ORTHOTIC DEVICE FOR OFFLOADING DIABETIC FOOT ULCER	07.01.2022	Subhash Neyyattinkara Neelakandan, Muraleedharan Chirathody Vayalappil
43.	202041025514	17/06/2020	GENOMIC DNA EXTRACTION PROCESS FROM	24/12/2021	Anoopkumar Thekkuveetil, Vishnu Raj, Anjana Usha, Swathy Suresh Nair

			MYCOBACTERIUM TUBERCULOSIS SPUTUM SAMPLE FOR LOOP MEDIATED AMPLIFICATION REACTION.		
44.	202041033175	03/08/2020	A PROCESS FOR DEVELOPING ALIGNED ELECTROSPUN FIBROPOROUS POLYMER MEMBRANE	04/02/2022	Ramesh Parameswaran, Pallickaveedu RajanAsari AnilKumar, Prima Sumam
45.	202041047225	29/10/2020	HYALURONIC ACID-CURCUMIN- HUMAN SERUM ALBUMIN COMPOSITION FOR RESTORING INFLAMMATION INDUCED DAMAGE OF KNEE JOINT	06/03/2022	Lissy Kalliyana Krishnan, Sachin Shenoy, Arumugam Sabaresswaran, Deepa Sathee
46.	202041043487	06/10/2020	A TEST KIT FOR THE DETERMINATION OF PROCALCITONIN(PC T) AND THE PROCESS THEREOF	07.10.2022	Manoj Gopi, Dinoop Korol Ponnambath, Jyothi Embekkat Kaviyil, Reshmi Prabhukumar Baby
47.	202041045741	20/10/2020	IMPLANTABLE MICRO INFUSION PUMP WITH RESIDUAL VOLUME MEASUREMENT	22.04.2022	Sarath sasidharan Nair, Nagesh Divakara Panickar Sulochana
48.	202041044910	15/10/2020	MITRAL ANNULOPLASTY RING	Awaiting Publication	Ranjith Gopinathan, Sunson Sunny, Muraleedharan Chirathodi Vayalappil, Ramesh Babu Venkatesan, Subhash Kumar Mahadevan Subhash Mandiram, Sarath Muraleedharan
49.	202041052458	02/12/2020	A FLEXIBLE AND RETRACTABLE CLOSURE DEVICE, WITH BENDING RECOVERY PROPERTIES	03.06.2022	Gijo Raj, Prakash Nair, Roy Joseph, Hariharan Venkat Easwer Manoj Komath

50.	202041052774	03/12/2020	A FILTER SYSTEM FOR CIRCULATING TUMOR CELLS	10.06.2022	Ramapurath Sarojini Amma Jayasree, Jibin Kunnumpurathu
51.	202041053682	10/12/2020	A RAPID DETECTION KIT FOR CHLAMYDIA TRACHOMATIS AND THE PROCESS THEREOF	16/12/2022	Manoj Gopi, Dinoop Korol Ponnambath, Jyothi Embekkat Kaviyil, Shahana Nazarudheen
52.	202141019653	29/04/2021	UNIVERSAL AIRWAY DEVICE FOR LUNG ISOLATION	04.11.2022	Gijo Raj, Azhar Kareem Shyla, Chennakeshavallu Gundapalli Narasimhaiah, Suneel Puthuvassery Raman
53.	202141014826	31/03/2021	VASCULARISED MULTI-ORGAN-ON-A-CHIP DEVICE	07.10.2022	Parayanthala Valappil Mohanan, Joseph Xavier, Akhil Venugopal, Arathi Ashok
54.	202141018012	19.04.2021	SOY PROTEIN BASED BIOMATERIAL FOR TISSUE REGENERATION.	21.10.2022	Lizymol Philipose Pampadykandathil, Saranya Chulliyil Veluthedath, Deepu Damodharan Nair Regini
55.	202141022687	21/05/2021	HUMAN ON A CHIP FOR BIOLOGICAL EVALUATION	25.11.2022	Parayanthala Valappil Mohanan, Joseph Xavier, Akhil Venugopal, Arathi Ashok
56.	202141025466	8/6/2021	A CELL AND TISSUE CULTURE STORAGE AND SHIPPING DEVICE	09.12.2022	Naresh Kasoju, Anilkumar Pallicka veedu Rajan Asari, Ramesh Babu Venkatesan, Anju Mohanan Shylaja
57.	202141034127	29/07/2021	AN ENHANCED SURGICAL SUCTION SYSTEM WITH A ROLLER BASED REVERSE PRESSURE DEVICE	03.02.2023	Anoop Gopinathan, Dr.Mathew Abraham, Dr.Tobin George, Anosh Kumar, Madhusoodhanan Nair Sunitha Kumari, Vipin Dev Vasudevan, Subhash kumar mahadevan subhashmandiram, Chirathodi Vylappil Muraleedharan
58.	202141036054	10/08/2021	BIO-ADHESIVEARTIFICIAL MEMBRANE GRAFT FOR PERFORATION THERAPY	10.02.2023	Ramesh Parameswaran,Unnikrishnan Gopalakrishna Panicker,Jasmin Joseph

59.	202141037246	17/08/2021	A DEVICE WITH AI INTERFACE FOR PREDICTING DOSAGE OF VITAMIN K ANTAGONISTS FOR MANAGING ORAL ANTICOAGULANT DRUGS	24/02/2023	Harikrishnan S, Devika S,K Arvind Menon,Vignesh Krishnan,Amruthlal M,Ameer Suhail P A,Swapneel Chandrakant Mhatre,Jimmy Jose,Jeemon Panniyammakal, Sanjay G, Lakshmikanth LR
60.	202141037803	20.8.2021	DOWNSTREAM HEAT TREATMENT PROCESSES FOR STRENGTH ENHANCEMENT OF SLENDER Ti6AL4V SHAPED IMPLANT CASTINGS	24.02.2023	Kelekanjeri Ganapathi Vishwanathan Siva Kumar, Chirathodi Vylappil Muraleedharan, Ajmal Mohammed T
61.	202141039627	01.09.2021	RADIAL-3D-MULTI-ORGAN ON A CHIP PLATFORM FOR BIOLOGICAL EVALUATION AND MEHOD OF PREPARATION	03.03.2023	Parayanthala Valappil Mohanan, Joseph Xavier, Akhil Venugopal, Arathi Ashok
62.	202141048525	25/10/2021	DEVICE FOR CONTACTLESS ADJUSTMENT OF PROPORTION OF GASES PARTICULARLY FOR MANAGEMENT OF FIO2	28.04.2023	sarath sasidharan Nair, Nagesh Divakara Panickar Sulochana
63.	202141043066	23/09/2021	SYSTEM AND METHOD FOR DETECTION OF LIQUID TYPES WITHIN CATHETER OF AN IMPLANTABLE MICRO INFUSION PUMP	24.03.2023	sarath sasidharan Nair, Nagesh Divakara Panickar Sulochana

64.	202141048805	26.10.2021	BIOCOMPATIBLE AND NON-TOXIC METHOD FOR AUGMENTING MECHANICAL STRENGTH OF DECELLULARISED TISSUE AND SCAFFOLDS	28.04.2023	Payanam Ramachandra Umashankar, Jesna Puthiya Veettil, Devika Sasikumar Lolitha
65.	202041054235	14.12.2020	PORTABLE AUTONOMOUS TEMPERATURE-CONTROLLED MEDICAL CABINET	17.06.2022	Subash Joshi Tharayparambil George, Kiran Babu, Seena S. Rajan, Jeyasingh Packiaraj K, Renji V Chacko, Prof. Vinod John, G.S.V.L. Narasimham, Biju Soman
66.	202041048520	06.11.2020	METHOD AND SYSTEM FOR PREDICTING OCCURRENCE OF A NEUROLOGIC EVENT IN A SUBJECT	13/05/2022	Elizabeth Thomas thiruvila Kalayil, Devanand Palayil, Sudalaimani Chermadurai, Parathy Kochunarayana Pillai, Parvathy Kochunarayana Pillai, Sasi Pilacheri Meethal, Ramehekar Menon, Ashalatha Radhakrishnan, Sanjeev Varghese Thomas
67.	202241019852	01.04.2022	PLASTICIZER FREE ACRYLIC DENTURE SOFTLINERS	Awaiting Publication	Manju Saraswathy, Anusree Vasu Shymalatha
68.	202241052131	13.09.2022	A PEDICLE SCREW ASSEMBLY	Awaiting Publication	ARVIND KUMAR PRAJAPATI, CHIRATHODI VYLAPPIL MURALEEDHARAN, HARIKRISHNA VARMA PARIMANATHU KOVILAKAM RAMAVARMA, KRISHNAKUMAR KESAVAPISHARADY, AKHIL ANILKUMAR INDIRADEVI, BALRAM BABU
69.	202241043716	30.07.2022	REACTIVE MISTGENERATING SYSTEM FOR OBTAINING NANOSTRUCTURED, MULTILAYERED AND MULTIPHASE CALCIUM PHOSPHATE COATINGS IN PLASMA SPRAY	Awaiting Publication	MANOJ KOMATH, SAJIN RAJ RAJAN GIRIJA, SURESH BABU SIVADASAN, HARIKRISHNA VARMA PARIMANATHU KOVILAKOM RAMA VARMA
70.	202241045140	08.08.2022	A HAND HELD ELECTRICALLY		SARATH SASIDHARAN NAIR, BIJULAL

			OPERATED DEVICE FOR AUTOMATIC DELIVERY AND REFILLING OF CONTRAST INJECTOR	Awaiting Publication	SASIDHARAN
71.	202241041968	22.07.2022	PORTABLE LOW-COST DISPOSABLE AUTOMATIC DEFIBRILLATOR FOR CARDIACARREST MANAGEMENT	Awaiting Publication	MANIKANDAN SETHURAMAN, MANOJ GOVINDA PILLAI SULOCHANA AMMA, RAHUL GOPINATHANPILLAI NATH
72.	202241048796	26.08.2022	A FLUID FLOW CONTROL DEVICE WITH FLAT TYPE ADJUSTABLE DIFFERENTIAL PRESSURE VALVE	Awaiting Publication	ANOOP GOPINATHAN, SUKANYA LATHA JAYACHANDRAN, VIPIN DEV VASUDEVAN, JITHU RAJ RAJU, SUBHASH KUMAR MAHADEVAN SUBHASHMANDIRAM, CHIRATHODI VYLAPPIL MURALEEDHARAN
73.	202241053990	21.09.2022	DIGITALLY CONTROLLED MULTICHANNEL NEUROSTIMULATOR FOR PAIN MANAGEMENT	Awaiting Publication	JITHIN KRISHNAN, NEETHU SUNDARLAL, MURALEEDHARAN CHIRATHODY VAYALAPPIL, NANDU KRISHNAN A M, AJAY PRASAD HRISHI
74.	202241052913	16.09.2022	AUTOMATED PRESSURE CHALLENGE TEST SYSTEM FOR CHIP BASED ELECTRONIC DEVICES	Awaiting Publication	JITHIN KRISHNAN, NEETHU SUNDARLAL, MURALEEDHARAN CHIRATHODY VAYALAPPIL, ADHIL ABOOBACKER
75.	202241053714	20.09.2022	A ROTATING CASKET ARRANGEMENT FOR POSITIONING, TURNING AND TRANSFFERING OF A HUMAN BEING	Awaiting Publication	SMITA V, ANISH KARIMPANNUR JOHN, ARUN ANIRUDHAN V, REBIN ZACHRIA MATHEW, P HARISH RAM, R RAHUL DEV, ABHIRAM V S, SUJA R
76.	202241061704	29.10.2022	MICE TRANSFER BOX-TUNNEL SYSTEM WITH SECURING GATES	Awaiting Publication	HARIKRISHNAN VIJAYAKUMAR SREELATHA, ARVIND KUMAR PRAJAPATI
77.	202241060846	26.10.2022	A TEMPERATURE PROFILING SYSTEM WITH IN-PLANE THREE AXIS MOVEMENT FOR CHIP- BASED	Awaiting Publication	JITHIN KRISHNAN, MURALEEDHARAN CHIRATHODY VAYALAPPIL, BIJU B

			ELECTRONIC DEVICES		
78.	202341003820	19.01.2023	A PROCESS FOR THE FABRICATION OF MULTILAYERED PORCINE CHOLECYSTIC EXTRACELLULAR MATRIX (CECM) FOR TISSUE ENGINEERING APPLICATIONS	Awaiting Publication	THAPASIMUTHU VIJAYAMMA ANILKUMAR, NEBU GEORGE THOMAS, PRATHEESH KANAKARAJAN VIJAYAKUMARI, YOGESH BHARAT DALVI, PRAVEEN KUNJAN SOBHAN, NIBU VARGHESE, U N NAGA LEKSHMI, BETCY THOMAS
79.	202241072828	16.12.2022	THREE-DIMENSIONAL HYDROPHILIC NANOFIBROUS MEMBRANE AS TISSUE EXTENDER PROMOTING NEOVASCULARIZATION AND A PROCESS OF PREPARATION THEREOF	Awaiting Publication	JAYANAND SUDHIR BHANU, RAKHI A, PRABHA DAMODARAN NAIR, LYNDIA VELUTHERIL THOMAS, SACHIN JAYACHANDRA SHENOY, A SABAREESWARAN
80.	202241072554	15.12.2022	AN IMPLANTABLE MULTIPOLAR HYBRID ELECTRODE PROBE FOR NEURAL STIMULATION AND SENSING	Awaiting Publication	JITHIN KRISHNAN, SYAM K, KRISHNAKUMAR K, MURALEEDHARAN CHIRATHODY VAYALAPPIL
81.	202341021496	25.03.2023	THREE-DIMENSIONAL BIOPRINTED IN VITRO HEPATOTOXICITY ASSAY PLATFORM	Awaiting Publication	ANILKUMAR PALLICKA VEEDU RAJAN ASARI, SHINY VELAYUDHAN, ANUPAMA JAYAPRABHA SEKAR
82.	202241071067	09.12.2022	SELF RETAINING-NON TAPERING ENDONASAL SPECULUM FOR ENDONASAL ENDOSCOPIC / MICROSCOPIC SURGERIES	Awaiting Publication	SANJAY BEHARI, PRAKASH NAIR, ANISH KARIMPANNUR JOHN, ARUN ANIRUDHAN V, M GOWTHAM, SANJAY HM, REBIN ZACHRIA MATHEW, P HARISH RAM, R RAHUL DEV, ABHIRAM V S, BASIL BIJU K, SIDHARTH A, EASWER HV
83.	202241077522	31.12.2022	A PROCESS FOR THE FABRICATION OF LOW-COST		BRIDGET JEYATHA WILSON, LIZYMOL PHILIPPOSE PAMPADYKANDATHIL

			POLYMERIC COMPOSITE OSTEOGENIC BONE SUBSTITUTE / BONE GRAFT EXPANDER	Awaiting Publication	
84.	202341040576	14.06.2023	AN AUTOMATIC SELF-LOCKING CLIP ARRESTOR FOR USE WITH AN ANTERIOR CERVICAL PLATING SYSTEM	Awaiting Publication	KELEKANJERI GANAPATHI VISHWANATHAN SIVA KUMAR, VISHNU S PRASAD, MURALEEDHARAN CHIRATHODY VAYALAPPIL
85.	202341003519	18.01.2023	NANO GEL MODIFIED GLASS IONOMER CEMENT	Awaiting Publication	MANJU SARASWATHY, SREEJITH SASIDHARAN LATHIKUMARI, SURESH BABU S
86.	202341002949	14/01/2023	AN INTEGRATED SUCTION AND IRRIGATION DEVICE	Awaiting Publication	PRAKASH NAIR, ANISH KARIMPANNUR JOHN, EASWER HV, SANJAY HM, M GOWTHAM, REBIN ZACHRIA MATHEW, P HARISH RAM, R RAHUL DEV, ABHIRAM V S, BASIL BIJU K, ABHISHEK AP, REHAN SUNILDHAS, ARUN ANIRUDHAN V, SANJAY BEHARI
87.	202341003363	17/01/2023	ADAPTIVE PATIENT TROLLEY E-DRIVE	Awaiting Publication	SMITA V, ANISH KARIMPANNUR JOHN, SUBIN SUKESAN, SHRINIVAS V G, PRASANTA KUMAR DASH, JAYAKRISHNAN C, GOUTHAM SAI KRISHNA, A ARJUN, APARNA GOVIND, AYUSH ARUN, RAJEEV RAJAN, DINESH GOPINATH, SREELAL S, ARUN ANIRUDHAN V
88.	202341007849	07/02/2023	FLUORESCENCE-BASED LATERAL FLOW DEVICE FOR DETECTION OF N-TERMINAL BRAIN NATRIURETIC PEPTIDE (NT-ProBNP) AND THE PROCESS THEREOF	Awaiting Publication	MANOJ GOPI, HARIKRISHNAN SIVADASAN PILLAI, ANOOP KUMAR THEKKUVEETIL, ANUGYA BHATT, JEEMON PANNIYAMAKAL, SANJAY GANAPATHY, VANI MAYA
89.	202341007709	07/02/2023	TOOL FOR ISOFIXING,		SABAREESWARAN A, RANJITH GOPINATH,

			ISOSLICING OF LARGE SIZE SHEEP/PIG HEART	Awaiting Publication	SACHIN.J.SHENOY, SOWMYA RAMANAN.V,ANISH KARIMPANNUR JOHN, P.HARISH RAM, REBIN ZACHIRA MATHEW, SMRITHI MK, R.RAHUL DEV, ABHIRAM.V.S, AYUSH ARUN, ASWANTH S, ARUN ANIRUDHAN.V
90.	202341021144	24/03/2023	UNIVERSAL MAGNETIC INSTRUMENT HOLDER	Awaiting Publication	PRAKASH NAIR, SAJIN RAJ RG, ANISH KARIMPANNUR JOHN, EASWER HV, DHANYA S, SANJAY HM, M GOWTHAM, AYUSH ARUN, ASWANTH S, RAVIN JAYAKUMAR, ANANYA L NAIR, S ANANDHU, ARUN ANIRUDHAN V, SANJAY BEHARI
91.	202341021145	24/03/2023	A SURGICAL CHAIR	Awaiting Publication	PRAKASH NAIR, SAJIN RAJ RG, ANISH KARIMPANNUR JOHN, EASWER HV, DHANYA S, SANJAY HM, M GOWTHAM, REBIN ZACHIRA MATHEW, AISWARYA MOHAN, ADITH V S, SREEDARSH V, ARJUN SANKAR J M, ARUN ANIRUDHAN V, SANJAY BEHARI
92.	202311005516	27/01/2023	A SELF-GELLING AND SELF-SETTING BIOACTIVE CEMENT FORMULATION FOR DENTAL TISSUE REGENERATION	Awaiting Publication	MANOJ KOMATH, EVA C DAS
93.	202341041150	16.06.2023	PRIMERS FOR REAL-TIME ISOTHERMAL AMPLIFICATION OF THE MPT 64 GENE OF MYCOBACTERIUM TUBERCULOSIS AND THE PROCESS THEREOF	Awaiting Publication	Dr.ANOOP KUMAR THEKKUVEETHIL, SWATHY SURESH NAIR, ANJANA USHA, RIA ELZA VARGHESE
94.	202341035039	19/05/2023	AUTOMATED CARDIOPULMONARY RESUSCITATION DEVICE	Awaiting Publication	SMITA V, ANISH KARIMPANNUR JOHN, RUPA SREEDHAR, PRASANTHA KUMAR DASH, DEV NARAYAN, P HARISH RAM, RAHULDAS

					A H, DEVIKA S NAIR, AMITH S NAIR, DINESH GOPINATH, ARUN ANIRUDHAN V, KRISHNA SARMA S
95.	202341033332	11/05/2023	A PATTY MAKING DEVICE	Awaiting Publication	PRAKASH NAIR, SAJIN RAJ RG, ANISH KARIMPANNUR JOHN,EASWER HV, DHANYA S, SANJAY HM, M GOWTHAM, DEV NARAYAN, DEVIKA S NAIR, AMITH S NAIR, RAHUL DAS AH, P HARISH RAM, ARUN ANIRUDHAN V , SANJAY BEHARI
96.	202341030091	26/04/2023	MODIFIED ATELLOLLAGEN BASED HYBRID HYDROGEL FOR THREE – DIMENSIONAL BIOPRINTING AND BIOMEDICAL APPLICATIONS	Awaiting Publication	Dr. SENTHILKUMAR MUTHUSAMY, Dr. ANILKUMAR PALLICKAVEEDU RAJAN ASARI
97.	202341037775	01/06/2023	BIFUNCTIONAL CYSTEINE GOLD NANOCLUSTERS FOR IMAGING AND INHIBITION OF AMYLOID BETA FIBRILS	Awaiting Publication	JAYASREE R.S RESHMI AMBIKA NAGAPPAN, MUNUSAMY EZHILARASAN DHUSHYANDHUN
98.	202341066471	04/10/2023	A PLATELET RICH FIBRIN PREPARATION box FOR UNIFORM PLATELET RICH FIBRIN MEMBRANE	Awaiting Publication	AMITA R, DEBASISH GUPTA,ANISH KARIMPANNUR JOHN, ANANYA L NAIR, ABHIRAM A S, AKSHAY SD, LEKSHMI RAJ J S, ADHARSH T S, KARTHIK KRISHNA
99.	202341060370	08/09/2023	A LEG MASSAGER FOR BLOOD DONOR'S COUCH	Awaiting Publication	AMITA R, DEBASISH GUPTA, ANISH KARIMPANNUR JOHN. RAVIN JAYAKUMAR, ATUL SIVA R J, ANJANA LS, HAFIS S MOHAMED, ROHIT SUNIL, JAYAKRISHNAN M

100.	202341044048	30/06/2023	IMPLANTABLE MICRO INFUSION PUMP WITH TUBE SLIP LOCK MECHANISM AND WIRELESS RECHARGING	Awaiting Publication	SARATH S NAIR
101.	202341049843	24/07/2023	TRANSCUTANEOUS ENERGY TRANSFER SYSTEM WITH AUTOMATIC CONTROL FOR ARTIFICIAL HEART	Awaiting Publication	SARATH S NAIR,HARIKRISHNAN S, NAGESH D S
102.	202341085893	15/12/2023	A DEVICE FOR AUTOMATED CARDIAC INVERSION WITH SELF DETECTION AND SHOCKING		NEETHU S, JITHIN KRISHNAN, C V MURALEEDHARAN, NARAYANAN NAMBOODIRI K K
103.	202341052311	03/08/2023	AUTOMATED ULTRASOUND GUIDED ARM FOR CANNULATION OF MAJOR BLOOD VESSELS	Awaiting Publication	SMITA V,SHRINIVAS V G, P K DASH, ANISH KARIMPANNUR JOHN, RAJEEV RAJAN, S MEGHA , AISWARYA LAKSHMI, PARVATHY S VINOD , BHAGYANATH S, SREELAKSHMI S, VARSHA R AJITH, AMRITA JIJU, SREEKANTH P, MANJU R S, TINY BABU, PRADEEP S L, KRISHNA SARMA S, ARUN ANIRUDHAN V
104.	202341056104	22/08/2023	NANOZYME BASED LATERAL FLOW ASSAY DEVICE	Awaiting Publication	JAYASREE R.S SARATHKUKUAR ELANGO VAN
105.	202341055260	17/08/2023	TOOL FOR SURGICAL PLANNING IN VIRTUAL REALITY	Awaiting Publication	DR KESAVA DAS C , SMITA V, SUBIN SUKESAN, SUNIL KUMAR , KRISHNA SARMA S, VENKATA SUBBAIH A, SMITHA S L , JEENA R S , ANISH KARIMPANNUR JOHN , RENJIMA G , JITHIN S S, ALOYSIOUS

					BENOY, SANDHRA PRATHAP P , ASSAY M KALLIAN , AKHIL AJITH , ARUN ANIRUDHAN V , SHEEBA KUMARI R, ADARSH ANIL KUMAR
106.	202341072280	23/10/2023	NON – INVASIVE PORTABLE DEVICE FOR CONTINUOUS MONITORING OF BRAIN OXYGEN SUPPLY DEMAND	Awaiting Publication	MANOJ G S RAHUL G NATH DR S. MANIKANDAN
107.	202341055262	17/08/2023	MOBILE HOIST WITH HOIST – ASSISTED MOTORIZED WHEELCHAIR	Awaiting Publication	LINCY PHILIP, SRUTHI S. NAIR , ANISH KARIMPANNUR JOHN , VISHAL V J , MITHUN M , JEBIN JOSE , VAISAKHAN M S , ADITHYA S R
108.	202341055518	18/08/2023	RESORBABLE GRADED COMPOSITE MEMBRANES THAT RELEASE BIOCERAMIC PARTICLES IN VIVO FOR GUIDED TISSUE REGENERATION	Awaiting Publication	REMYA KOZHIMANNIL RAJAN, MANOJ KOMATH
109.	202341056012	21.08.2023	DRUG ELUTING MUCOADHESIVE BANDAGE	Awaiting Publication	DR MANJU S DR REKHA M R
110.	202341078956	21.11.2023	A SURGICAL SUCTION SYSTEM		ANOOP GOPINATHAN, MURALEEDHARAN C V, ANOSH KUMAR, VIPIN DEV VASUDEVAN,
111.	202341086486	18/12/2023	GUIDE WIRE FOR LUMBAR PUNCTURE		M GOWTHAM, ANISH K JOHN, KRISHNAKUMAR K, EASWER H V, PRAKASH NAIR, DHANYA S, TINY BABU, ANANYA L NAIR ,AYUSH ARUN, ABHAY GOVIND, SREENANDH S C, ATHIRA RAJ, THAMJEED T, KRISHNA SARMA S, ARUN ANIRUDHAN V

112.	202341062105	15/09/2023	BIOLOGIC CAVITY VIEWER , IMAGING CAPTURE AND INCORPORATED IMAGE PROCESSING MEASUREMENT SYSTEM	Awaiting Publication	SUBIN SUKESAN, SHAIJU S NAZEER, ANISH KARIMPANUUR JOHN, SMITA V, SARAVANA BABU M S , NELSA ABRAHAM, SOORAJ A R, GOVIND U, AYUSH ARUN, S KARTHIKEYAN, KRISHNA SARMA S, SAIKRISHNAN R, ARUN ANIRUDHAN V
113.	202341075750	06/11/2023	A PORTABLE X-RAY PROTECTION BARRIER AND EXAMINATION BOX WITH MOVING ARM SPECIMEN HOLDER MECHANISM		DR SABAREESWARAN A ANISH K JOHN ASWIN P K AADITYA S K REETHULAL M
114.	202341077756	15/11/2023	A TROLLEY WITH A SUSPENSION SYSTEM		DR BEJOY THOMAS ANISH K JOHN , AABHA U, ASWIN P K ,VIMAL GEORGE, CHRIS JOSE PANICKER, VISWANATH S, KRISHNA SARMA S, ARUN ANIRUDHAN V
115.	202441027075	01/04/2024	A METHOD FOR PREPARING A SOLVENT FREE 3D PRINTABLE POLYMER COMPOSITE BIOMATERIAL		SHINY VELAYUDHAN, MANOJ KOMATH, ANIL KUMAR PALLICKAVEEDU RAJAN ASARI, DEEPU DAMODHARAN RAGINI
116.	202411004841	24/01/2024	DCL-GHA, DCL-LHA, AND DCL K1 CONJUGATED TISSUES AS THROMBO RESISTANT SUFACES FOR MANUFACTURE OF BLOOD CONTACTING MEDICAL DEVICES		PROF. V. HARIDAS SAGAR JAWLA DEVIKA S L DR. P R UMASHANKAR
117.	202441007228	02/02/2024	AN AUTOMATED CONSUMABLE DISPENSER UNIT		DHANYA S, SHANI S D, ANISH K JOHN, ALOYSIOUS BENOY,

					ADITH V S, AISWARYA MOHAN, AKSHAY MAHADEVAN SREEDARSH V, NITHIN KRISHNAN S S, ANKITHA V N, SANGEETH SANKAR, ARJUN B GOPAN, ATHIRA L, LEKSHMI S, KRISHNA SARMA S, DAMODARA SARMA E, ARCHANA S,SREELAL S
118.	202441009781	13/02/2024	AN IMPLANTABLE DIRECT NERVE STIMULATION SYSTEM CAPABLE OF EMPLOYING MAGNETIC COUPLING AND PRECISION ADAPTIVE FEEDBACK		NEETHU S JITHIN KRISHNAN C V MURALEEDHARAN
119.	202441022736	23/03/2024	DISSOLVABLE MICRONEEDLE FOR TRNSDERMAL DRUG DELIVERY AND METHOD OF PREPARATION THEREOF		SHINY VELAYUDHAN, DEEPU DAMODHARAN RAGINI
120.	202431025124	28/03/2024	METHOD OF MANUFACTURING A COMPOSITE MATERIAL AND DEVICE FOR ASSISTING WITH COMPOSITE MATERIAL MANUFACTURING		Gijo Raj, Subhash Neyyattinkara Neelakandan, Roy Joseph, Adarsh Asokan Bindhu, Mriganshu Guha, Subrata Mukherjee
121.	202441038410	16/05/2024	FLUORESCENCE MAPPING SYSTEM FOR OPTICAL PATHOLOGY		DR JAYASREE R S , ARUN ANIRUDHAN V, SHAIJU S NAZEER, JEENA RS, ANISH KARIMPANNUR JOHN, BHADRA DEVI NAIR S, NANDANA V L, NAYANA V L, SHREYA RS, ANANTHA KRISHNAN S, SETHULEKSHMI S, SANIL L DANIEL