



**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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DEPARTMENT OF TECHNOLOGY & QUALITY MANAGEMENT

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.	201941022982	10/06/2019	A POROUS INJECTABLE, FREEZE-DRIED HYDROGEL SCAFFOLD AIDING DERMAL REGENERATION AND PROCESS OF PREPARATION THERE OF	11/12/2020	Lissy Kalliyanakrishnan Rashmi Ramakrishnan Biman Behari Mandal Dimple Chouhan
3.	201941006800	21/02/2019	BIOINK FORMULATION SUITABLE FOR LOW TEMPERATURE	07/05/2021	Roy Joseph Praveen Kunjan Sobhan
4.	201841049655	28/12/2018	A BRAIDED CUFF FOR PREVENTING ENDOLEAKS IN STENT GRAFTS	03/07/2020	Sujesh sreedharan, Krishna kumar sreekumaran
5.	201941013671	04/04/2019	VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF), WHICH ENHANCES ANGIOGENESIS	09/10/2020	Anoopkumar Thekkuveetil Sheeja Liza Easo Geethu Shaji
6.	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
7.	201941031304	02/08/2019	CELL GROWTH ENHANCING BIOINK FORMULATION FOR 3D BIOPRINTED CONSTRUCTS	05/02/2021	Anugya bhatt,Naresh Kasaju,Roy Joseph,Lakshmi Thompil Somasekharan,Gayathri Prameela Jayachandran
8.	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
9.	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
10.	202041015212	07/04/2020	A KIT FOR THE RAPID DETECTION OF COVID- 19 IGG/IGM ANTIBODIES USING IMMUNOCHROMATOGR APHIC 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.
11.	202041016519	16/04/2020	RAPID VIRAL RNA ISOLATION PROTOCOL.	22/10/2021	Anoopkumar Thekkuveetil, Amal Wilson Varghese, Swathy Suresh Nair, Rasitha Santhosh Kanakalatha
12.	202041020015	12/05/2020	UNIVERSAL TRANSPORT MEDIUM	19/11/2021	Akhandanandan Maya Nandkumar, AnilKumar Pallicka veedu RajanAsari, AnugyaBhatt, Keerthi Santhosh kumar
13.	202041033175	03/08/2020	A PROCESS FOR DEVELOPING ALIGNED ELECTROSPUN FIBROPOROUS POLYMER MEMBRANE	04/02/2022	Ramesh Parameswaran, Pallickaveedu RajanAsari AnilKumar, Prima Sumam
14.	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
15.	202041043487	06/10/2020	A TEST KIT FOR THE DETERMINATION OF PROCALCITONIN(PCT) AND THE PROCESS THEREOF	07.10.2022	Manoj Gopi, Dinoop Korol Ponnambath, Jyothi Embekkat Kaviyil, Reshmi Prabhukumar Baby
16.	202041044910	15/10/2020	MITRAL ANNULOPLASTY RING	10/02/2023	Ranjith Gopinathan, Sunson Sunny, Muraleedharan Chirathodi Vayalappil, Ramesh Babu Venkatesan, Subhash Kumar Mahadevan

					Subhash Mandiram, Sarath Muraleedharan
17.	202041052774	03/12/2020	A FILTER SYSTEM FOR CIRCULATING TUMOR CELLS	10.06.2022	Ramapurath Sarojini Amma Jayasree, Jibin Kunnumpurathu
18.	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
19.	202141018012	19.04.2021	SOY PROTEIN BASED BIOMATERIAL FOR TISSUE REGENERATION.	21.10.2022	Lizymol Philipose Pampadykandathil, Saranya Chulliyil Veluthedath, Deepu Damodharan Nair Regini
20.	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
21.	202141036054	10/08/2021	BIO- ADHESIVEARTIFICIAL MEMBRANE GRAFT FOR PERFORATION THERAPY	10.02.2023	Ramesh Parameswaran,Unnikrishnan Gopalakrishna Panicker,Jasmin Joseph
22.	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
23.	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
24.	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

25.	202241043716	30.07.2022	REACTIVE MISTGENERATING SYSTEM FOR OBTAINING NANOSTRUCTURED, MULTILAYERED AND MULTIPHASE CALCIUM PHOSPHATE COATINGS IN PLASMA SPRAY	02/02/2024	MANOJ KOMATH, SAJIN RAJ RAJAN GIRIJA, SURESH BABU SIVADASAN, HARIKRISHNA VARMA PARIMANATHU KOVILAKOM RAMA VARMA
26.	202241041968	22.07.2022	PORTABLE LOW-COST DISPOSABLE AUTOMATIC DEFIBRILLATOR FOR CARDIACARREST MANAGEMENT	26/01/2024	MANIKANDAN SETHURAMAN, MANOJ GOVINDA PILLAI SULOCHANA AMMA, RAHUL GOPINATHANPILLAI NATH
27.	202241053990	21.09.2022	DIGITALLY CONTROLLED MULTICHANNEL NEUROSTIMULATOR FOR PAIN MANAGEMENT	22/03/2024	JITHIN KRISHNAN, NEETHU SUNDARLAL, MURALEEDHARAN CHIRATHODY VAYALAPPIL, NANDU KRISHNAN A M, AJAY PRASAD HRISHI
28.	202241052913	16.09.2022	AUTOMATED PRESSURE CHALLENGE TEST SYSTEM FOR CHIP BASED ELECTRONIC DEVICES	22/03/2024	JITHIN KRISHNAN, NEETHU SUNDARLAL, MURALEEDHARAN CHIRATHODY VAYALAPPIL, ADHIL ABOOBACKER
29.	202241061704	29.10.2022	MICE TRANSFER BOX-TUNNEL SYSTEM WITH SECURING GATES	03/05/2024	HARIKRISHNAN VIJAYAKUMAR SREELATHA, ARVIND KUMAR PRAJAPATI
30.	202241060846	26.10.2022	A TEMPERATURE PROFILING SYSTEM WITH IN-PLANE THREE AXIS MOVEMENT FOR CHIP- BASED ELECTRONIC DEVICES	03/05/2024	JITHIN KRISHNAN, MURALEEDHARAN CHIRATHODY VAYALAPPIL, BIJU B
31.	202341003820	19.01.2023	A PROCESS FOR THE FABRICATION OF MULTILAYERED PORCINE CHOLECYSTIC EXTRACELLULAR MATRIX (CECM) FOR TISSUE ENGINEERING APPLICATIONS	26/07/2024	THAPASIMUTHU VIJAYAMMA ANILKUMAR, NEBU GEORGE THOMAS, PRATHEESH KANAKARAJAN VIJAYAKUMARI, YOGESH BHARAT DALVI, PRAVEEN KUNJAN SOBHAN, NIBU VARGHESE, U N NAGA LEKSHMI,BETCY THOMAS
32.	202241072828	16.12.2022	THREE-DIMENSIONAL HYDROPHILIC NANOFIBROUS MEMBRANE AS TISSUE EXTENDER PROMOTING NEOVASCULARIZATION AND A PROCESS OF PREPARATION THEREOF	21/06/2024	JAYANAND SUDHIR BHANU, RAKHI A, PRABHA DAMODARAN NAIR, LYNDIA VELUTHERIL THOMAS, SACHIN JAYACHANDRA SHENOY, A SABAREESWARAN
33.	202341021496	25.03.2023	THREE-DIMENSIONAL BIOPRINTED IN VITRO HEPATOTOXICITY	27/09/2024	ANILKUMAR PALLICKA VEEDU RAJAN ASARI, SHINY VELAYUDHAN,

			ASSAY PLATFORM		ANUPAMA JAYAPRABHA SEKAR
34.	202241077522	31.12.2022	A PROCESS FOR THE FABRICATION OF LOW- COST POLYMERIC COMPOSITE OSTEOGENIC BONE SUBSTITUTE / BONE GRAFT EXPANDER	05/07/2024	BRIDGET JEYATHA WILSON, LIZYMOL PHILIPOSE PAMPADYKANDATHIL
35.	202341040576	14.06.2023	AN AUTOMATIC SELF- LOCKING CLIP ARRESTOR FOR USE WITH AN ANTERIOR CERVICAL PLATING SYSTEM	20/12/2024	KELEKANJERI GANAPATHI VISHWANATHAN SIVA KUMAR, VISHNU S PRASAD, MURALEEDHARAN CHIRATHODY VAYALAPPIL
36.	202341003519	18.01.2023	NANO GEL MODIFIED GLASS IONOMER CEMENT	19/07/2024	MANJU SARASWATHY, SREEJITH SASIDHARAN LATHIKUMARI, SURESH BABU S
37.	202341002949	14/01/2023	AN INTEGRATED SUCTION AND IRRIGATION DEVICE	19/07/2024	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
38.	202341003363	17/01/2023	ADAPTIVE PATIENT TROLLEY E-DRIVE	19/07/2024	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
39.	202341007849	07/02/2023	FLUORESCENCE-BASED LATERAL FLOW DEVICE FOR DETECTION OF N- TERMINAL BRAIN NATRIURETIC PEPTIDE (NT-ProBNP) AND THE PROCESS THEREOF	09/08/2024	MANOJ GOPI, HARIKRISHNAN SIVADASAN PILLAI, ANOOP KUMAR THEKKUVEETIL, ANUGYA BHATT, JEEMON PANNIYAMAKAL, SANJAY GANAPATHY, VANI MAYA
40.	202341007709	07/02/2023	TOOL FOR ISOFIXING, ISOSLICING OF LARGE SIZE SHEEP/PIG HEART	09/08/2024	SABAREESWARAN A, RANJITH GOPINATH, 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, ASWANATH S, ARUN ANIRUDHAN.V
41.	202341021144	24/03/2023	UNIVERSAL MAGNETIC INSTRUMENT HOLDER	27/09/2024	PRAKASH NAIR, SAJIN RAJ RG, ANISH KARIMPANNUR JOHN, EASWER HV, DHANYA S, SANJAY HM, M GOWTHAM, AYUSH ARUN, ASWANATH S, RAVIN JAYAKUMAR, ANANYA L NAIR, S ANANDHU, ARUN ANIRUDHAN V, SANJAY BEHARI
42.	202341021145	24/03/2023	A SURGICAL CHAIR	27/09/2024	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
43.	202311005516	27/01/2023	A SELF-GELLING AND SELF-SETTING BIOACTIVE CEMENT FORMULATION FOR DENTAL TISSUE REGENERATION	02/08/2024	MANOJ KOMATH, EVA C DAS
44.	202341041150	16.06.2023	PRIMERS FOR REAL-TIME ISOTHERMAL AMPLIFICATION OF THE MPT 64 GENE OF MYCOBACTERIUM TUBERCULOSIS AND THE PROCESS THEREOF	20/12/2024	Dr.ANOOP KUMAR THEKKUVEETHIL, SWATHY SURESH NAIR, ANJANA USHA, RIA ELZA VARGHESE
45.	202341035039	19/05/2023	AUTOMATED CARDIOPULMONARY RESUSCITATION DEVICE	10/01/2025	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
46.	202341033332	11/05/2023	A PATTY MAKING DEVICE	15/11/2024	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
47.	202341030091	26/04/2023	MODIFIED ATELCOLLAGEN BASED HYBRID HYDROGEL FOR THREE – DIMENSIONAL	01/11/2024	Dr. SENTHILKUMAR MUTHUSAMY, Dr. ANILKUMAR PALLICKAVEEDU RAJAN ASARI

			BIOPRINTING AND BIOMEDICAL APPLICATIONS		
48.	202341037775	01/06/2023	BIFUNCTIONAL CYSTEINE GOLD NANOCLOUDS FOR IMAGING AND INHIBITION OF AMYLOID BETA FIBRILS	06/12/2024	JAYASREE R.S RESHMI AMBIKA NAGAPPAN, MUNUSAMY EZHILARASAN DHUSHYANDHUN
49.	202341066471	04/10/2023	A PLATELET RICH FIBRIN PREPARATION box FOR UNIFORM PLATELET RICH FIBRIN MEMBRANE	11/04/2025	AMITA R, DEBASISH GUPTA,ANISH KARIMPANNUR JOHN, ANANYA L NAIR, ABHIRAM A S, AKSHAY SD, LEKSHMI RAJ J S, ADHARSH T S, KARTHIK KRISHNA
50.	202341060370	08/09/2023	A LEG MASSAGER FOR BLOOD DONOR'S COUCH	14/03/2025	AMITA R, DEBASISH GUPTA, ANISH KARIMPANNUR JOHN. RAVIN JAYAKUMAR, ATUL SIVA R J, ANJANA LS, HAFIS S MOHAMED, ROHIT SUNIL, JAYAKRISHNAN M
51.	202341044048	30/06/2023	IMPLANTABLE MICRO INFUSION PUMP WITH TUBE SLIP LOCK MECHANISM AND WIRELESS RECHARGING	03/01/2025	SARATH S NAIR
52.	202341049843	24/07/2023	TRANSCUTANEOUS ENERGY TRANSFER SYSTEM WITH AUTOMATIC CONTROL FOR ARTIFICIAL HEART	31/01/2025	SARATH S NAIR,HARIKRISHNAN S, NAGESH D S
53.	202341085893	15/12/2023	A DEVICE FOR AUTOMATED CARDIAC INVERSION WITH SELF DETECTION AND SHOCKING	20/06/2025	NEETHU S, JITHIN KRISHNAN, C V MURALEEDHARAN, NARAYANAN NAMBOODIRI K K
54.	202341052311	03/08/2023	AUTOMATED ULTRASOUND GUIDED ARM FOR CANNULATION OF MAJOR BLOOD VESSELS	07/02/2025	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

55.	202341056104	22/08/2023	NANOZYME BASED LATERAL FLOW ASSAY DEVICE	28/02/2025	JAYASREE R.S SARATHKUKUAR ELANGOVAN
56.	202341055260	17/08/2023	TOOL FOR SURGICAL PLANNING IN VIRTUAL REALITY	21/02/2025	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
57.	202341072280	23/10/2023	NON – INVASIVE PORTABLE DEVICE FOR CONTINUOUS MONITORING OF BRAIN OXYGEN SUPPLY DEMAND	25/04/2025	MANOJ G S RAHUL G NATH DR S. MANIKANDAN
58.	202341055262	17/08/2023	MOBILE HOIST WITH HOIST – ASSISTED MOTORIZED WHEELCHAIR	21/02/2025	LINCY PHILIP, SRUTHI S. NAIR , ANISH KARIMPANNUR JOHN , VISHAL V J , MITHUN M , JEBIN JOSE , VAISAKHAN M S , ADITHYA S R
59.	202341055518	18/08/2023	RESORBABLE GRADED COMPOSITE MEMBRANES THAT RELEASE BIOCERAMIC PARTICLES IN VIVO FOR GUIDED TISSUE REGENERATION	21/02/2025	REMYA KOZHIMANNIL RAJAN, MANOJ KOMATH
60.	202341056012	21.08.2023	DRUG ELUTING MUCOADHESIVE BANDAGE	28/02/2025	DR MANJU S DR REKHA M R
61.	202341078956	21.11.2023	A SURGICAL SUCTION SYSTEM	23/05/2025	ANOOP GOPINATHAN, MURALEEDHARAN C V, ANOSH KUMAR, VIPIN DEV VASUDEVAN,
62.	202341086486	18/12/2023	GUIDE WIRE FOR LUMBAR PUNCTURE	Awaiting Publication	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
63.	202341062105	15/09/2023	BIOLOGIC CAVITY VIEWER , IMAGING CAPTURE AND INCORPORATED IMAGE PROCESSING MEASUREMENT SYSTEM	21/03/2025	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
64.	202341075750	06/11/2023	A PORTABLE X-RAY PROTECTION BARRIER AND EXAMINATION BOX WITH MOVING ARM SPECIMEN HOLDER MECHANISM	09/05/2025	DR SABAREESWARAN A ANISH K JOHN ASWIN P K AADITYA S K REETHULAL M
65.	202341077756	15/11/2023	A TROLLEY WITH A SUSPENSION SYSTEM	16/05/2025	DR BEJOY THOMAS ANISH K JOHN , AABHA U, ASWIN P K ,VIMAL GEORGE, CHRIS JOSE PANICKER, VISWANATH S, KRISHNA SARMA S, ARUN ANIRUDHAN V
66.	202441039665	21/05/2024	REAL TIME- LOOP MEDIATED AMPLIFICATION ASSAY FOR THE DETECTION OF HUMAN PAPILLOMA VIRUS	28/11/2025	DR ANOOP KUMAR THEKKUVEETHIL,RIA ELZA VARGHESE, ANJANA USHA
67.	202441027075	01/04/2024	A METHOD FOR PREPARING A SOLVENT FREE 3D PRINTABLE POLYMER COMPOSITE BIOMATERIAL	03/10/2025	SHINY VELAYUDHAN, MANOJ KOMATH, ANIL KUMAR PALLICKAVEEDU RAJAN ASARI, DEEPU DAMODHARAN RAGINI
68.	202411004841	24/01/2024	DCL-GHA, DCL-LHA, AND DCL K1 CONJUGATED TISSUES AS THROMBO RESISTANT SUFACES FOR MANUFACTURE OF BLOOD CONTACTING MEDICAL DEVICES	08/08/2025	PROF. V. HARIDAS SAGAR JAWLA DEVIKA S L DR. P R UMASHANKAR
69.	202441007228	02/02/2024	AN AUTOMATED CONSUMABLE DISPENSER UNIT	08/08/2025	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
70.	202441009781	13/02/2024	AN IMPLANTABLE DIRECT NERVE STIMULATION SYSTEM CAPABLE OF EMPLOYING MAGNETIC COUPLING AND PRECISION ADAPTIVE FEEDBACK	15/08/2025	NEETHU S JITHIN KRISHNAN C V MURALEEDHARAN
71.	202441022736	23/03/2024	DISSOLVABLE MICRONEEDLE FOR TRNSDERMAL DRUG DELIVERY AND METHOD OF PREPARATION THEREOF	26/09/2025	SHINY VELAYUDHAN, DEEPU DAMODHARAN RAGINI
72.	202441038410	16/05/2024	FLUORESCENCE MAPPING SYSTEM FOR OPTICAL PATHOLOGY	21/11/2025	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
73.	202431025124	28/03/2024	METHOD OF MANUFACTURING A COMPOSITE MATERIAL AND DEVICE FOR ASSISTING WITH COMPOSITE MATERIAL MANUFACTURING	03/10/2025	Gijo Raj, Subhash Neyyattinkara Neelakandan, Roy Joseph, Adarsh Asokan Bindhu, Mriganshu Guha, Subrata Mukherjee
74.	202441059897	08/08/2024	A POLYMERIC MEDICAL ELECTRODE AND ITS METHOD OF PREPARATION	13/02/2026	Dr. Nitha V Panicker, Dr. Ramesh P, Jasmin Joseph
75.	202411074414	01/10/2024	METHOD OF ELECTROCHEMICAL BIOSENSING N- TERMINAL BRAIN NATRIURETIC PEPTIDE (NT- PRO BNP) AND THE PROCESS THEREOF	17/04/2026	VANI MAYA, MANOJ GOPI, HARIKRISHNAN SIVADASAN PILLAI, RENJITH SASI
76.	202441066211	02/09/2024	HEMOSTATIC SPONGE WITH ACCELERATING CLOTHING CASCADES	06/03/2026	Dr. MANJU S, Dr UMASHANKAR .P. R
77.	202441087658	13.11.2024	MULTILAYERED DRUG- LOADED ELECTROSPUN	15/05/2026	SARANYA CHULLIYIL VELUTHEDATH, DR. LIZYMOL

			MEMBRANE FOR TISSUE REGENERATION		PAMPADIKANDATHIL PHILIPOSE, DR. DEEPU DAMODHARAN RAGINI
78.	202441075817	07.10.2024	CERAMIC BARRIER FOR REDUCING METAL ION ELUTION FROM METAL BASED CORONARY STENTS AND A METHOD OF MANUFACTURING THE SAME	10/04/2026	SUBHASH NEYYATTINKARA NEELAKANDAN, SUJESH SREEDHARAN, MURALEEDHARAN CHIRATHODY VAYALAPPIL
79.	202441093438	29.11.2024	DEVICE AND METHOD OF VERSATILE TRAINING FOR DEEP MICRO-VASCULAR ANASTOMOSIS	29/05/2026	JAYANAND SUDHIR BHANU, ARVIND KUMAR PRAJAPATI
80.	202541008717	03.02.2025	A BIOPROSTHETIC HEART VALVE	Awaiting Publication	RANJITH G, MURALEEDHARAN C V , UMASHANKAR P R , VIVEK V PILLAI, RAJEEV A, SUBHASH KUMAR M S, UNNIKRISHNAN M M
81.	202541016764	26/02/2025	A FLEXIBLE PEDICLE SCREW SUPPORTING APPARATUS	Awaiting Publication	ARVIND KUMAR PRAJAPATHI, MURALEEDHARAN C V, GANESH DIVAKAR, UNNIKRISHNAN M M, KRISHNAKUMAR .K
82.	202541029858	28/03/2025	PARYLENE-COATED ELECTROSPUN POLYURETHANE FIBROUS MEMBRANE FOR DURA SUBSTITUTE APPLICATION	Awaiting Publication	DR. RAMESH P, DR. PRAKASH NAIR, DR UMASHANKAR P. R, DR. SABAREESWARAN A, DR.EASWER H. V, THEERDHA V NAIR
83.	202541039439	24/04/2025	A MITRAL CLIP DESIGN INCORPORATING A TRUSS STRUCTURE CONFIGURATION FOR CORRECTION OF MITRAL REGURGITATION	Awaiting Publication	Ranjith Gopinathan, Muraleedharan Chirathodi Vylappil, Dr Harikrishnan S, Praful Prasannan
84.	202541056653	12/06/2025	A BIOSENSOR FOR THE DETECTION OF BIOMARKERS OF ALZHEIMER'S DISEASE, AND A METHOD OF PREPARATION THEREOF	Awaiting Publication	DR. JAYASREE RAMAPURATH SAROJINI AMMA, JINESH KOCHUPURACKAL BALAKRISHNAN PILLAI, RESMI AMBIKA NAGAPPAN, JIJO PEEDIYACKAL THOMAS
85.	202541068805	18/07/2025	HEMOSTAT APPLICATOR FOR RESTRICTED NARROW ENDOSCOPIC SURGICAL SPACES	Awaiting Publication	DR. PRAKASH NAIR, DR. EASWER .H.V, MR SHAJ UPENDRAN, MR PRAVEEN JAMES, MR ANOOP JOSE, MR. ASI HAB.M
86.	202541079457	21/08/2025	A MODULAR AND PORTABLE IMPEDANCE MEASUREMENT DEVICE FOR NON-INVASIVE BIO-MEDICAL MONITORING	Awaiting Publication	JITHIN KRISHNAN NEETHU .S MURALEEDHARAN .C .V

87.	202541090459	22.09.2025	MEMBRANE BASED VOICE PROSTHESIS	Awaiting Publication	SAURABH S. NAIR BIPIN THOMAS VARGHESE SUJESH SREEDHARAN KRIPARAJ. K G JITHU RAJ R
88.	202541094589	1.10.2025	A FLEXIBLE RADIATION SHIELDING POLYMER COMPOSITE FILM AND A PROCESS FOR FABRICATION THEREOF	Awaiting Publication	GIJO RAJ ROY JOSEPH HARIKRISHNAN SIVADASANPILLAI
89.	202541110930	13/11/2025	DISULPHIDE CROSS-LINKED BIOMATERIALS FOR WOUND HEALING APPLICATIONS	Awaiting Publication	DR.Rekha .M .R DIVYA .M .R LINJU .M .C
90.	202541119410	29/11/2025	MULTIMODAL WEARABLE CUEING DEVICE AND SYSTEM FOR GAIT ASSISTANCE	Awaiting Publication	JITHIN KRISHNAN NEETHU S GANGADHARA SARMA S SYAM KRISHNAN DIVYA K P ASISH VIJAYARAGHAVAN MURALEEDHARAN C. V.
91.	202541116766	25-11-2025	METHOD FOR DEVELOPING A STANDARDIZED CUSTOM CELL-CULTURE INSERT ENABLING MULTI-ORGAN-ON-CHIP INTEGRATION	Awaiting Publication	DR MANOJ GOPI AMIR SUHAIL U AJAI KRISHNAN M.J. DR REMYA N.S.
92.	202541115140	21-11-2025	Wearable Biological Sound Simulation System And Method Of Operating The Same	Awaiting Publication	DR. PRASANTA KUMAR DASH DR. SMITA V. DR. DINESH RAJA P DR. SACHIN J. SHENOY DR. AJAY ALEX BINU THOMAS JOSBIN TONY DR. HARIPRIYA A.P. SURYAPRIYA.S ANISH KARIMPANNUR JOHN J S ABHIRAM SURESH DR. ARUN ANIRUDHAN V
93.	202641016529	14/02/2026	VIRTUAL REALITY-BASED SYSTEM AND METHOD FOR SHOULDER THERAPY AND REHABILITATION OF PATIENTS	Awaiting Publication	Subhash Neyyattinkara Neelakandan Sylaja Padmavathy Narayana Pillai Muraleedharan Chirathodi Vayalappil Sabarinath Chandrasenan Nair Rejitha Rajappan Nair Siva Sambath Shamugha Sundaram
94.	202641023518	27/2/2026	MICRONEEDLE PATCH WITH INTEGRATED FLEXIBLE BACKING	Awaiting Publication	SHINY VELAYUDHAN ANIL KUMAR P R DEEPU DAMODHARAN RAGINI
95.	202641043869	06/04/2026	A REGENERATIVE SCAFFOLD WITH PLATELET RELEASATE	Awaiting Publication	Francis B Fernandez, SreekalaBalan P., Amita R. Nair,

			AND A METHOD OF PREPARATION THEREOF		VinuRajendran, ManojKomath
96.	202641067642	29.05.2026	MULTI-WELL CELL CULTURE DEVICE WITH HANGING INSERTS FOR MULTI-ORGAN STATIC CO-CULTURE	Awaiting Publication	DR MANOJ GOPI AJAI KRISHNAN M.J. AMIR SUHAIL U DR REMYA N.S.
97.	202641072665	11.06.2026	PHOTO-POLYMERIZED POLY(IONIC LIQUID)-FUNCTIONALIZED POLYPROPYLENE MEMBRANES AND A METHOD OF PREPARATION THEREOF	Awaiting Publication	RENJITH SASI JYOTHI EMBEKKAT KAVIYIL ROY JOSEPH
98.	202641084005	08/07/2026	CLOT RETRIEVER STENT WITH ASYMMETRIC HEXAGONAL PATTERN	Awaiting Publication	SUJESH SREEDHARAN JAYADEVAN ENAKSHY RAJAN ARUN SASI S J VARUN V P
99.	202641080642	30/06/2026	BIODEGRADABLE RADIOPAQUE MICROBEADS/MICRO SPHERES FOR TRANSARTERIAL CHEMOEMBOLIZATION	Awaiting Publication	MANJU SARASWATHY ROY JOSEPH SACHIN JAYACHANDRAN SHENOY JINEESH VALAKKADA JINSU MARIYA SAM VIDYA UNNIKRIISHNAN GEETHAKUMARI