



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

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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. | 201841038669 | 11/10/2018 | AN ABSORBABLE SKIN SUBSTITUTE WITH COMBINATION MATRIX OF AMNION,FIBRIN AND HYALURONIC ACID (AM-F-HA) FOR WOUND REGENERATION AND THE PROCESS THEREOF. | 17/04/2020 | Lissy Kalliyankrishnan Rashmi Ramakrishnan |
| 3. | 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 |
| 4. | 201941006800 | 21/02/2019 | BIOINK FORMULATION SUITABLE FOR LOW TEMPERATURE | 07/05/2021 | Roy Joseph Praveen Kunjan Sobhan |
| 5. | 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 |
| 6. | 201841049655 | 28/12/2018 | A BRAIDED CUFF FOR PREVENTING ENDOLEAKS IN STENT GRAFTS | 03/07/2020 | Sujesh sreedharan, Krishna kumar sreekumaran |
| 7. | 201941006810 | 21/02/2019 | A TUNABLE HYBRID HYDROGEL | 07/05/2021 | Reshmi Raj, Thapasimuthu Vijayamma Anil kumar, Praveen Kunjan Sobhan |

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| 8. | 201941013671 | 04/04/2019 | VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF), WHICH ENHANCES ANGIOGENESIS | 09/10/2020 | Anoopkumar Thekkuveetil Sheeja Liza Easo Geethu Shaji |
| 9. | 201941022802 | 08/06/2019 | A BRAIDED STENT | 11/12/2020 | Sujesh Sreedharan, Narayanan Kakkad, Santhosh Kumar Kannath |
| 10. | 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 |
| 11. | 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 |
| 12. | 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 |
| 13. | 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 |
| 14. | 201941053786 | 24/12/2019 | DEVICE WITH A CLIP-ON SCAFFOLD FOR ENGINEERING CO-CULTURED TISSUE CONSTRUCTS AND | 25/06/2021 | Naresh Kasoju, Anilkumar Pallicka veedu Rajan Asari, Venkatesan Ramesh Babu, Jimna Mohamed Ameer |

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| | | | METHODS OF USE AND APPLICATIONS THEREOF | | |
| 15. | 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 |
| 16. | 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 |
| 17. | 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 |
| 18. | 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 |
| 19. | 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 |
| 20. | 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. |
| 21. | 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 |
| 22. | 202041016519 | 16/04/2020 | RAPID VIRAL RNA ISOLATION PROTOCOL. | 22/10/2021 | Anoopkumar Thekkuveetil, Amal Wilson Varghese, Swathy Suresh Nair, |

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| | | | | | Rasitha Santhosh Kanakalatha |
| 23. | 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 |
| 24. | 202041019145 | 05/05/2020 | INTUBATION ISOLATION BOX | 12/11/2021 | Sarath Gopalakrishnan, Nagesh Divakara Panickar Sulochana, Vinod Kumar Viswanathan Pillai, Sethuramen Manikandan |
| 25. | 202041020015 | 12/05/2020 | UNIVERSAL TRANSPORT MEDIUM | 19/11/2021 | Akhandanandan Maya Nandkumar, AnilKumar Pallicka veedu RajanAsari, AnugyaBhatt, Keerthi Santhosh kumar |
| 26. | 202041028700 | 06/07/2020 | ORTHOTIC DEVICE FOR OFFLOADING DIABETIC FOOT ULCER | 07.01.2022 | Subhash Neyyattinkara Neelakandan, Muraleedharan Chirathody Vayalappil |
| 27. | 202041025514 | 17/06/2020 | GENOMIC DNA EXTRACTION PROCESS FROM MYCOBACTERIUM TUBERCULOSIS SPUTUM SAMPLE FOR LOOP MEDIATED AMPLIFICATION REACTION. | 24/12/2021 | Anoopkumar Thekkuveetil, Vishnu Raj, Anjana Usha, Swathy Suresh Nair |
| 28. | 202041033175 | 03/08/2020 | A PROCESS FOR DEVELOPING ALIGNED ELECTROSPUN FIBROPOROUS POLYMER MEMBRANE | 04/02/2022 | Ramesh Parameswaran, Pallickaveedu RajanAsari AnilKumar, Prima Sumam |
| 29. | 202041047225 | 29/10/2020 | HYALURONIC ACID- CURCUMIN- HUMAN | 06/03/2022 | Lissy Kalliyana Krishnan, Sachin Shenoy, Arumugam Sabaresswaran, |

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| | | | SERUM ALBUMIN COMPOSITION FOR RESTORING INFLAMMATION INDUCED DAMAGE OF KNEE JOINT | | Deepa Sathee |
| 30. | 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 |
| 31. | 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 |
| 32. | 202041052774 | 03/12/2020 | A FILTER SYSTEM FOR CIRCULATING TUMOR CELLS | 10.06.2022 | Ramapurath Sarojini Amma Jayasree, Jibin Kunnumpurathu |
| 33. | 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 |
| 34. | 202141014826 | 31/03/2021 | VASCULARISED MULTI-ORGAN-ON-A-CHIP DEVICE | 07.10.2022 | Parayanthala Valappil Mohanan, Joseph Xavier, Akhil Venugopal, Arathi Ashok |
| 35. | 202141018012 | 19.04.2021 | SOY PROTEIN BASED BIOMATERIAL FOR TISSUE REGENERATION. | 21.10.2022 | Lizymol Philipose Pampadykandathil, Saranya Chulliyil Veluthedath, Deepu Damodharan Nair Regini |
| 36. | 202141022687 | 21/05/2021 | HUMAN ON A CHIP FOR BIOLOGICAL EVALUATION | 25.11.2022 | Parayanthala Valappil Mohanan, Joseph Xavier, Akhil Venugopal, Arathi Ashok |
| 37. | 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 |
| 38. | 202141034127 | 29/07/2021 | AN ENHANCED SURGICAL SUCTION SYSTEM WITH A ROLLER BASED | 03.02.2023 | Anoop Gopinathan, Dr.Mathew Abraham, Dr.Tobin George, Anosh Kumar, Madhusoodhanan |

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| | | | REVERSE PRESSURE DEVICE | | Nair Sunitha Kumari, Vipin Dev Vasudevan, Subhash kumar mahadevan subhashmandiram, Chirathodi Vylappil Muraleedharan |
| 39. | 202141036054 | 10/08/2021 | BIO-ADHESIVEARTIFICIAL MEMBRANE GRAFT FOR PERFORATION THERAPY | 10.02.2023 | Ramesh Parameswaran,Unnikrishnan Gopalakrishna Panicker,Jasmin Joseph |
| 40. | 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 |
| 41. | 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 |
| 42. | 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 Veetil, Devika Sasikumar Lolitha |
| 43. | 202241019852 | 01.04.2022 | PLASTICIZER FREE ACRYLIC DENTURE SOFTLINERS | 06/10/2023 | Manju Saraswathy, Anusree Vasu Shymalatha |
| 44. | 202241052131 | 13.09.2022 | A PEDICLE SCREW ASSEMBLY | 15/03/2024 | ARVIND KUMAR PRAJAPATI, CHIRATHODI VYLAPPIL MURALEEDHARAN, HARIKRISHNA VARMA PARIMANATHU KOVILAKAM RAMAVARMA, KRISHNAKUMAR |

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| 45. | 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 |
| 46. | 202241045140 | 08.08.2022 | A HAND HELD ELECTRICALLY OPERATED DEVICE FOR AUTOMATIC DELIVERY AND REFILLING OF CONTRAST INJECTOR | 09/02/2024 | SARATH SASIDHARAN NAIR, BIJULAL SASIDHARAN |
| 47. | 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 |
| 48. | 202241048796 | 26.08.2022 | A FLUID FLOW CONTROL DEVICE WITH FLAT TYPE ADJUSTABLE DIFFERENTIAL PRESSURE VALVE | 01/03/2024 | ANOOP GOPINATHAN, SUKANYA LATHA JAYACHANDRAN, VIPIN DEV VASUDEVAN, JITHU RAJ RAJU, SUBHASH KUMAR MAHADEVAN SUBHASHMANDIRAM, CHIRATHODI VYLAPPIL MURALEEDHARAN |
| 49. | 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 |
| 50. | 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 ABOBACKER |

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| 51. | 202241053714 | 20.09.2022 | A ROTATING CASKET ARRANGEMENT FOR POSITIONING, TURNING AND TRANSFFERING OF A HUMAN BEING | 22.03.2024 | SMITA V, ANISH KARIMPANNUR JOHN, ARUN ANIRUDHAN V, REBIN ZACHRIA MATHEW, P HARISH RAM, R RAHUL DEV, ABHIRAM V S, SUJA R |
| 52. | 202241061704 | 29.10.2022 | MICE TRANSFER BOX-TUNNEL SYSTEM WITH SECURING GATES | 03/05/2024 | HARIKRISHNAN VIJAYAKUMAR SREELATHA, ARVIND KUMAR PRAJAPATI |
| 53. | 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 |
| 54. | 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 |
| 55. | 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, LYNDA VELUTHERIL THOMAS, SACHIN JAYACHANDRA SHENOY, A SABAREESWARAN |
| 56. | 202241072554 | 15.12.2022 | AN IMPLANTABLE MULTIPOLAR HYBRID ELECTRODE PROBE FOR NEURAL STIMULATION AND SENSING | 21/06/2024 | JITHIN KRISHNAN, SYAM K, KRISHNAKUMAR K, MURALEEDHARAN CHIRATHODY VAYALAPPIL |
| 57. | 202341021496 | 25.03.2023 | THREE-DIMENSIONAL | 27/09/2024 | ANILKUMAR PALLICKA VEEDU RAJAN ASARI, |

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| | | | BIOPRINTED IN VITRO HEPATOTOXICITY ASSAY PLATFORM | | SHINY VELAYUDHAN, ANUPAMA JAYAPRABHA SEKAR |
| 58. | 202241071067 | 09.12.2022 | SELF RETAINING-NON TAPERING ENDONASAL SPECULUM FOR ENDONASAL ENDOSCOPIC / MICROSCOPIC SURGERIES | 14/06/2024 | 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 |
| 59. | 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 |
| 60. | 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 |
| 61. | 202341003519 | 18.01.2023 | NANO GEL MODIFIED GLASS IONOMER CEMENT | 19/07/2024 | MANJU SARASWATHY, SREEJITH SASIDHARAN LATHIKUMARI, SURESH BABU S |
| 62. | 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 |
| 63. | 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, |

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| 64. | 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 |
| 65. | 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, ASWANTH S, ARUN ANIRUDHAN.V |
| 66. | 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, ASWANTH S, RAVIN JAYAKUMAR, ANANYA L NAIR, S ANANDHU, ARUN ANIRUDHAN V, SANJAY BEHARI |
| 67. | 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 |
| 68. | 202311005516 | 27/01/2023 | A SELF-GELLING AND SELF-SETTING BIOACTIVE CEMENT FORMULATION FOR | 02/08/2024 | MANOJ KOMATH, EVA C DAS |

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| | | | DENTAL TISSUE REGENERATION | | |
| 69. | 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 |
| 70. | 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 |
| 71. | 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 |
| 72. | 202341030091 | 26/04/2023 | MODIFIED ATELCOLLAGEN BASED HYBRID HYDROGEL FOR THREE – DIMENSIONAL BIOPRINTING AND BIOMEDICAL APPLICATIONS | 01/11/2024 | Dr. SENTHILKUMAR MUTHUSAMY, Dr. ANILKUMAR PALLICKAVEEDU RAJAN ASARI |
| 73. | 202341037775 | 01/06/2023 | BIFUNCTIONAL CYSTEINE GOLD NANOCLUSTERS FOR IMAGING AND INHIBITION OF AMYLOID BETA | 06/12/2024 | JAYASREE R.S RESHMI AMBIKA NAGAPPAN, MUNUSAMY EZHILARASAN DHUSHYANDHUN |

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| 74. | 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 |
| 75. | 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 |
| 76. | 202341044048 | 30/06/2023 | IMPLANTABLE MICRO INFUSION PUMP WITH TUBE SLIP LOCK MECHANISM AND WIRELESS RECHARGING | Awaiting Publication | SARATH S NAIR |
| 77. | 202341049843 | 24/07/2023 | TRANSCUTANEOUS ENERGY TRANSFER SYSTEM WITH AUTOMATIC CONTROL FOR ARTIFICIAL HEART | Awaiting Publication | SARATH S NAIR,HARIKRISHNAN S, NAGESH D S |
| 78. | 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 |
| 79. | 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 |

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| | | | | | L, KRISHNA SARMA S, ARUN ANIRUDHAN V |
| 80. | 202341056104 | 22/08/2023 | NANOZYME BASED LATERAL FLOW ASSAY DEVICE | Awaiting Publication | JAYASREE R.S SARATHKUKUAR ELANGO VAN |
| 81. | 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 |
| 82. | 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 |
| 83. | 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 |
| 84. | 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 |
| 85. | 202341056012 | 21.08.2023 | DRUG ELUTING MUCOADHESIVE BANDAGE | Awaiting Publication | DR MANJU S DR REKHA M R |

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| 86. | 202341078956 | 21.11.2023 | A SURGICAL SUCTION SYSTEM | Awaiting Publication | ANOOP GOPINATHAN, MURALEEDHARAN C V, ANOSH KUMAR, VIPIN DEV VASUDEVAN, |
| 87. | 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 |
| 88. | 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 |
| 89. | 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 |
| 90. | 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 |
| 91. | 202441039665 | 21/05/2024 | REAL TIME- LOOP MEDIATED AMPLIFICATION ASSAY FOR THE DETECTION OF HUMAN PAPILOMA VIRUS | | DR ANOOP KUMAR THEKKUVEETHIL,RIA ELZA VARGHESE, ANJANA USHA |
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| 93. | 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 |
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| 96. | 202441022736 | 23/03/2024 | DISSOLVABLE MICRONEEDLE FOR TRNSDERMAL DRUG DELIVERY AND METHOD OF PREPARATION THEREOF | | SHINY VELAYUDHAN, DEEPU DAMODHARAN RAGINI |

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| 98. | 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 |
| 99. | 202441059897 | 08/08/2024 | A POLYMERIC MEDICAL ELECTRODE AND ITS METHOD OF PREPARATION | | Dr. Nitha V Panicker, Dr. Ramesh P, Jasmin Joseph |
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| 101. | 202441066211 | 02/09/2024 | HEMOSTATIC SPONGE WITH ACCELERATING CLOTHING CASCADES | | Dr. MANJU S, Dr UMASHANKAR .P. R |
| 102. | 202441087658 | 13.11.2024 | MULTILAYERED DRUG- LOADED ELECTROSPUN MEMBRANE FOR TISSUE REGENERATION | | SARANYA CHULLIYIL VELUTHEDATH, DR. LIZYMOL PAMPADIKANDATHIL PHILIPOSE, DR. DEEPU DAMODHARAN RAGINI |
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