



**MEENAKSHI**  
ACADEMY OF HIGHER EDUCATION & RESEARCH  
DEEMED TO BE UNIVERSITY U/S 3 OF UGC ACT, 1956



**2020 – 2021**

**Details of Patents**

S. No.	Application No.	Title of the patent/	Name of the Inventor	Status	Date of Publication / Grant
1.	202041036495	A Novel Synergistic Herbal Tooth Powder Composition Exhibiting Excellent Anti-Microbial Activity And Method of Preparation Thereof	Dr. Uthralakshmi N Dr. Revathi K	Published	11.09.2020
2.	202041037803	Bi-Dimensional Splint	Dr. Ratna Parameswaran Dr. Nayemullah Khan Dr. Ravanth Kumar	Published	11.09.2020
3.	202041036494	Indigenous Orthodontic Micro Implant	Dr. Padmavati R Dr. Deepak Chandrasekharan Ravanasamudram Sundaram Neelakandan	Published	16.10.2020
4.	202141024302	Double Digit Manual Tooth Brush	Dr. Ambalavanan N Dr Jaideep Mahendra	Published	16.07.2021
5.	202141024303	Diagnostic Method for Periodontitis Patients Associated with Stenotic Valve Disease for Prevention and Early Detection of Comorbidities	Dr Jaideep Mahendra Paavai Ilango Dr Little Mahendra	Published	16.07.2021

6.	202141024304	Diagnostic Method for Pre-Eclampsia Women to Prevent Adverse Pregnancy Outcomes and Early Detection of Co-Morbidities	Dr Jaideep Mahendra Dr Swetha Tanneeru Dr Little Mahendra	Published	16.07.2021
7.	202141024305	Process of Preparation of Biological Novel Material for the Management of Osteoclastogenesis in Chronic Periodontitis	Dr. Anilkumar K Dr. Jaideep Mahendra Dr. Revathi K	Published	16.07.2021
8.	202141024306	Diagnostic Method of Prevention and Early Detection of Comorbidities in CP And/Or CAD Patients	Dr Jaideep Mahendra Dr. Ambalavanan N	Published	16.07.2021
9.	202041051154	Air-Tight Full Face Protection (ATFFP) Shield Against Covid-19	Dr. Nitin Sharma Ravanasamudram Sundaram Neelakandan	Published	04.12.2020
10.	202041051155	A Process of Extraction of Bioactives Exhibiting Excellent Angiogenesis Inhibitor Activity from Secondary Metabolites of Penicilliumcitrinum	Archana Jagannathan Revathi Kasturi Ganeshkumar Arumugam Kirubakaran Ramalingam	Published	04.12.2020
11.	202041057057	Meenakshi Multifunctional Spring Loaded Appliance	Dr. Nandakumar A Dr. Lokamithra R Dr. Anirutha G	Published	15.01.2021
12.	202041057058	Meenakshi Biteraising Appliance	Dr. Nandakumar A Dr. Dharshini G Dr. Ahana S Rajan	Published	15.01.2021
13.	202141003291	A Process for High Yield Production of Lipids from Oleaginous Yeasts	Jasmin Vigila J Dr. Revathi K Dr. Ganesh Kumar A.	Published	29.01.2021

14.	202141010230	Tooth Eruption Clock	Dr. Manoj Prabhakar Dr. Sivapathasundharambalasundharam	Published	19.03.2021
15.	202141012074	A Process of Removal of Glass Cover Slip from Microscopic Slides	Dr. Sabarinath B Dr. Protyusha Guha Biswas	Published	26.03.2021
16.	202141016264	Agarose Gel Melticool-222	Dr. Marimuthu Ragavan Rameshkumar Dr. Narasingam Arunagirinathan	Published	23.04.2021
17.	202141018318	A Remote Controlled Light Curing Device For Use In Orthodontics	Dr. Krishna Priyaa S Dr. Devaki Vijayalakshmi Dr. Nandakumar A	Granted	04.07.2025
18.	202141027417	Tissue Specimen Measuring Gauge	Dr. Manoj Prabhakar Dr. Sivapathasundharambalasundharam	Published	30.04.2021
19.	202141026010	Oral Tongue Viewer	Dr. Anitha R Dr. Harsha Vardhan B G Dr. Saraswathi Gopal K	Published	25.06.2021
20.	202141038125	A Process of Preparation of Anti-Diabetic Activity Exhibiting Polyherbal Pharmaceutical Formulation and Product Thereof	Dr. Revathi K Dr. Kunguma Priya R Divya M Anita Sundaravalli	Published	03.09.2021

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<b>S. No.</b>	<b>Application No.</b>	<b>Title of the patent/</b>	<b>Name of the Inventor</b>	<b>Status</b>	<b>Date of Filing/ Registration</b>
1.	11736/2020-CO/L	Estimation of Vaginal PH and its Correlation with Vaginal Flora during Pregnancy	Dr.Sowmyavarudu	Registered	12.10.2020
2.	11738/2020-CO/L	An Analytical Study to Evaluate the Prevalence, Screening, Maternal and Foetal Outcomes of Asymptomatic Bacteriuria	Dr.Vandana N	Registered	12.10.2020
3.	11740/2020-CO/L	A Randomized Comparative Study of Diathermy Incisions and Scalpel Incisions in General Surgery	Dr. Alagar Raja R	Registered	12.10.2020
4.	11741/2020-CO/L	Study of Er, Pr, Her 2 Neu Receptor Status in Carcinoma Breast Among Rural Population	Dr.Gowtham Pandiaraj K	Registered	12.10.2020
5.	11742/2020-CO/L	Clinical Study on Post Thyroidectomy Hypocalcemia	Dr. Krishna Ponnaganti C	Registered	12.10.2020
6.	11743/2020-CO/L	Mammographic Screening In Benign Breast Disease for Risk Stratification of Malignancy	Dr. Anjana Elangovan	Registered	12.10.2020
7.	11744/2020-CO/L	A Comparative Clinical Study of Different Methods of Treatment of Venous Ulcer	Dr. Ansari Irfan Sagir	Registered	12.10.2020
8.	11746/2020-CO/L	Usefulness of Serum to Ascites Total Protein Gradient (SATPG) and Serum to Ascites Albumin Gradient (SAAG) in Diagnosing Cirrhotic Ascites with Portal Hypertension	Dr. Madhuri M S	Registered	12.10.2020

9.	11747/2020-CO/L	Associations Between Kidney Function and Left Ventricular Mass in Chronic Kidney Disease Patients	Dr. Mohd Asif	Registered	12.10.2020
10.	11748/2020-CO/L	A Study of Cardiac Manifestation and Coronary Risk Factor in Patients with Diabetes Mellitus of All Age Group Above 20 Years in Kanchipuram	Dr. Meyyammai CT	Registered	12.10.2020
11.	11749/2020-CO/L	A Study of Correlation of Serum Phosphate with Carotid Intimamedial Thickness in Chronic Kidney Disease	Dr. Dulla Nageshwara Rao	Registered	12.10.2020
12.	11751/2020-CO/L	A Comparative Study of Microscopic And Endoscopic Techniques of Myringoplasty in Patients With Mucosal Type of Chronic Otitis Media	Dr. Thushita Nivasini S	Registered	12.10.2020
13.	11752/2020-CO/L	Conservative endoscopic management of acute Sinusitis prospective study	Dr. Alagammai S	Registered	12.10.2020
14.	11714/2020-CO/L	Study of Androgen Receptor in the Stroma and Epithelium of Prostate Hyperplasia and Prostate Carcinoma and to Correlate its Expression with Tumor Staging and GLEASON Grading	Dr. Anita	Registered	05.11.2020
15.	11715/2020-CO/L	Immunohistochemical Expression of P53 and BCL2 in Colorectal Carcinoma	Dr. Swathi Sridharan	Registered	05.11.2020
16.	11717/2020-CO/L	The Immunohistochemical Expression of Ecadherin in Gastric Carcinoma and its Correlation with Clinicopathological Factors	Dr. Thasneem A	Registered	05.11.2020
17.	11718/2020-CO/L	Diagnosis of Fistula in Ano : MRI Fistulogram vs X-Ray Fistulogram Compared to Intra Operative Findings	Dr. Venkat Sai Rajkumar E	Registered	05.11.2020

18.	11720/2020-CO/L	Clinical-Radiological Correlation in Enhance Diagnosis of Acute Appendicitis with Histopathological Correlation	Dr. Trupti M Kaujalgi	Registered	05.11.2020
19.	11724/2020-CO/L	Current Clinical Profile of Respiratory Diseases in Geriatric Population in A Tertiary Care Hospital	Dr. Harshil Anil Shah	Registered	05.11.2020
20.	11725/2020-CO/L	A Study of Clinical and Laboratory Profile in Children with Febrile Seizures	Dr. Keerthana T	Registered	05.11.2020
21.	11726/2020-CO/L	A Clinical Study of Respiratory Distress in Newborns	Dr. V. Jayakar Paul Benjamin	Registered	05.11.2020
22.	11730/2020-CO/L	A Study of Prevalence of Protein Energy Malnutrition Among Children of Age Group 1-5 Years in Kanchipuram	Dr. Anusha D L K	Registered	05.11.2020
23.	11731/2020-CO/L	Functional Outcome of Interochanteric Fractures in Patients Treated with Proximal Femoral Nailing A2	Dr. Waseem Ansari	Registered	05.11.2020
24.	11732/2020-CO/L	Study on Prevalence and Causes of Amblyopia in School Going Children in and Around Kanchipuram	Dr. Vignesh G	Registered	05.11.2020
25.	11734/2020-CO/L	A Comparative Study on Efficacy of Metformin vs Insulin in the Management of GDM	Dr. Kesari Sravani	Registered	05.11.2020
26.	11753/2020-CO/L	Combined Autologous Platelet - Rich Plasma with Microneedling Versus Microneedling Alone in the Treatment of Acne Scars : A Concurrent Splitface	Dr. Jatin Sidhwa	Registered	05.11.2020
27.	11754/2020-CO/L	A Comparative Study of Hemodynamic Changes and Serum Cortisol Response of Three Induction Agents : Thiopentone, Propofol, Etomidate	Dr. Annaporani K	Registered	05.11.2020

28.	11756/2020-CO/L	The Relationship of Patient Characteristics to Thecephalad Spread of Spinal Anaesthesia after Giving 0.5 Hyperbaric Bupivacaine in Infraumbilical Surgeries	Dr. Shirisha G	Registered	05.11.2020
29.	11757/2020-CO/L	Airway Assessment Factors as A Predictive Marker of Difficult Direct Laryngoscopy - A Prospective Study	Dr. Bhavana Harwani	Registered	05.11.2020
30.	11713/2020-CO/L	Analysis of CD34 Antigen Expression in Benign and Malignant Breast Lesions	Dr. Chanchal Ashok	Registered	05.11.2020
31.	11723/2020-CO/L	Study of Metabolic Syndrome in Chronic Obstructive Pulmonary Disease (COPD) in A Tertiary Care Hospital	Dr. Elayakumar S T	Registered	05.11.2020
32.	19393/2020-CO/L	Quantification of CD 163 Inflammatory Biomarker in Subgingival Palque Samples of Generalized Chronic Periodontitis with or Without Type II Diabetes Mellitus	Dr. Jaideep Mahendra	Registered	30.12.2020
33.	19417/2020-CO/L	Impact of Cervical Lesion Centered Access Cavity Restored with Fiber-Reinforced Composite on Biomechanical Response in Human Mandibular Premolar - An In Vitro Study	Dr. VelMurugan N	Registered	30.12.2020
34.	19428/2020-CO/L	Evaluation of The Effects of Curcumin on The Free Radical Release from Fixed Appliances in Orthodontic Patients - An In-Vivo Study	Dr. Vijay Kumar N M	Registered	30.12.2020
35.	19424/2020-CO/L	Comparative Evaluation of Antimicrobial and Antifungal Action of Fluoride, Tea Tree Oil and Ganoderma on Polymethyl Methacrylate Resin - An In Vitro Study	Dr. Devi Parameswari B	Registered	30.12.2020
36.	19421/2020-CO/L	Diagnostic Guidlines for Oral Squamous Cell Carcinoma with Bone Invasion - A CT Based Prospective Study	Dr. Harsha Vardhan B G	Registered	30.12.2020

37.	19414/2020-CO/L	Influence of Contracted Endodontic Cavities on The Debridement Efficacy of Two Different Irrigant Activation Systems in Human Permanent Mandibular Molars - An SEM Analysis	Dr. Suma Ballal	Registered	30.12.2020
38.	19411/2020-CO/L	Diagnostic Accuracy of Conventional Radiography Versus Computed Tomography in Condylar Fractures	Dr. Thomas Zachariah	Registered	30.12.2020
39.	3877/2021-CO/L	Curriculum Based Skill Assessment Log Book for 1 MBBS	Dr. Muthulakshmi R Dr. Kayalvizhi K Dr. Punita P Dr. Sundaravadivel V P	Registered	31.03.2021
40.	6571/2021-CO/L	Competency Based Curriculum-Anatomy-Logbook	Dr. Maheswari K	Registered	22.04.2021
41.	6570/2021-CO/L	Decoding The Biochemistry Competency Learning & Assessment - Logbook	Dr. Ursula Sampson	Registered	22.04.2021
42.	6565/2021-CO/L	Course Hand Book	Dr. Ursula Sampson Dr. Maheswari K Dr. Muthulakshmi R	Registered	22.04.2021
43.	9159/2021-CO/L	Tooth Eruption Clock	Dr. Manoj Prabhakar Dr.Sivapathasundharam Balasundharam	Registered	21.05.2021

**Details of Designs**

<b>S. No.</b>	<b>Application No.</b>	<b>Title of the patent/</b>	<b>Date of Publication / Grant</b>
1.	324007-001	Orthodontic Teeth Brackets	01.09.2020
2.	324064-001	Portable Sterilizing Can For Medical Instrument	29.09.2020
3.	324009-001	Drug Delivery Device	06.10.2020
4.	324012-001	Injection Apparatus for Computed Tomography	08.10.2020
5.	324070-001	Dental Floss Apparatus	20.10.2020
6.	324010-001	Drug Test Cassette	04.11.2020
7.	315985-001	Glucose Meter	07.12.2020