

# JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &  
Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

**Accredited by NAAC "A" Grade and ISO Certified**



Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) / e.mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

Contact No : +919789456750, +919943066944, +919943069944

**Dr. N. SENTHILKUMAR, Ph.D.,**  
**Principal**

## LIST OF UGC / SCOPUS JOURNALS

| S.NO | TITLE OF PAPER                                                                                                                               | NAME OF AUTHORS    | NAME OF JOURNAL                            | YEAR OF PUBLICATION | ISSN-NO   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------|---------------------|-----------|
| 1.   | Exploring Nephroprotective Properties of Wedelia chinensis: In Vitro, In Silico, and In Vivo Investigations                                  | Dr.T.Venkatachalam | Journal of Natural Remedies                | 2023-2024           | 0972-5547 |
| 2.   | Molecular pathways and therapeutic strategies in dermatofibrosarcoma protuberans (dfsp): unravelling the tumor's genetic landscape           | Dr.T.Venkatachalam | EXCLI Journal                              | 2023-2024           | 1611-2156 |
| 3.   | BIN1 in the Pursuit of Ousting the Alzheimer's Reign: Impact on Amyloid and Tau Neuropathology.                                              | Dr.T.Venkatachalam | Neurotoxicity Research                     | 2023-2024           | 1029-8428 |
| 4.   | Design, Synthesis, and In-vitro anti-tuberculosis activity of 2-substituted-1,5-diphenyl-1,2-dihydro-3H-1,2,4-triazole-3-thione Derivatives. | Dr.T.Venkatachalam | Journal of Physics: Conference Series 2801 | 2023-2024           | 1742-6596 |
| 5.   | Neuroprotective                                                                                                                              | Dr. V.Suresh       | Journal of                                 | 2023-2024           | 2630-6344 |



**Dr. N. SENTHILKUMAR,**  
**PRINCIPAL,**  
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.

# JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S

## ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Accredited by NAAC "A" Grade and ISO Certified

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) / e.mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

Contact No : +919789456750, +919943066944, +919943069944



**Dr. N. SENTHILKUMAR, Ph.D.,**  
**Principal**

|    |                                                                                                                                                                     |                       |                                                                             |           |           |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------|-----------|-----------|
|    | Effect of Ethanolic Extract of Pedalium murex Linn Leaf in 3-Nitropropionic acid Induced Neurodegeneration                                                          |                       | Research in Pharmacy                                                        |           |           |
| 6. | Anti-Alzheimer Effect of Ethanolic Extract of Barleria Prionitis Leaf in Lipopolysaccharide Induced Neurodegeneration.                                              | Dr. V.Suresh          | Journal of Research in Pharmacy                                             | 2023-2024 | 2630-6344 |
| 7. | A Comparative Study of Physical Activity, Academic Performance and Stress Level Among Pharmacy and NonPharmacy Students - Before, During and After Covid19 Lockdown | Dr .K.C.Arul Prakasam | International Journal of Pharmaceutical Sciences and Nanotechnology(I JPSN) | 2023-2024 | 0974-3278 |
| 8. | Clinical patterns of lower respiratory tract infection and their prescription pattern analysis of peditrics patients in a tertiary care hospital                    | Dr .K.C.Arul Prakasam | Journal of Hospital Pharmacy                                                | 2023-2024 | 1945-1253 |



**Dr. N.SENTHILKUMAR,**  
**PRINCIPAL,**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION**  
**ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,**  
**ETHIRMEDU, KOMARAPALAYAM - 638 183,**  
**NAMAKKAL DISTRICT, TAMILNADU.**

# JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S

## ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Accredited by NAAC "A" Grade and ISO Certified

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) / e.mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

Contact No : +919789456750, +919943066944, +919943069944

Dr. N. SENTHILKUMAR, Ph.D.,  
Principal

### LIST OF PATENT PUBLICATION

| S.NO | Title of Invention                                                   | Application Number | Name of Applicant                | Name of college                                                       | Publication Date | Country |
|------|----------------------------------------------------------------------|--------------------|----------------------------------|-----------------------------------------------------------------------|------------------|---------|
| 1.   | Fluorescence measurement                                             | 389500-001         | Dr.T.Venkatachalam               | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 03/07/2023       | INDIA   |
| 2.   | Frank diffusion cell dissolution apparatus for in vitro drug release | 6294303            | Dr.Senthil kumar<br>Balakrishnan | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 12/07/2023       | GERMAN  |
| 3.   | High performance thin layer chromatography                           | 391987-001         | Dr.E.Thilagam                    | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 05/08/2023       | INDIA   |
| 4.   | AI enabled device used for detection of blood glucose level          | 6299577            | Dr.Velayutham<br>Suresh          | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 06/08/2023       | GERMAN  |
| 5.   | Glucometer                                                           | 392225-001         | Dr.T.Venkatachalam               | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 08/08/2023       | INDIA   |
| 6.   | Infrared based medical device used for cancer therapy                | 392546-001         | Dr.Velayutham<br>Suresh          | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 11/08/2023       | INDIA   |
| 7.   | Hand operated tablet punching machine                                | 392545-001         | Dr.Senthil kumar<br>Balakrishnan | JKKMMRF'S-<br>Annai Jkk<br>Sampoarani<br>Ammal College<br>of Pharmacy | 11/08/2023       | INDIA   |



Dr. N.SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.

# JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S

## ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &  
Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

**Accredited by NAAC "A" Grade and ISO Certified**

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) / e.mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

Contact No : +919789456750, +919943066944, +919943069944

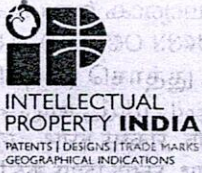
**Dr. N. SENTHILKUMAR, Ph.D.,**  
**Principal**

|     |                                                                                                                                     |                    |                                  |                                                                       |            |        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------|-----------------------------------------------------------------------|------------|--------|
| 8.  | Tail flick analgesimeter for animal activity                                                                                        | 6308752            | Dr.E.Thilagam                    | JKKMMRF'S-<br>Annai Jkk<br>Sampoorani<br>Ammal College<br>of Pharmacy | 08/09/2023 | GERMAN |
| 9.  | Apparatus to separate proteins as per molecular size                                                                                | 6313368            | Dr.E.Thilagam                    | JKKMMRF'S-<br>Annai Jkk<br>Sampoorani<br>Ammal College<br>of Pharmacy | 20/09/2023 | GERMAN |
| 10. | Antidiabetic and Antihyperlipidemic activities of polyherbal formulation in high fat diet/streptozotocin induced diabetic rat model | 2023110692<br>56 A | Dr.Senthil kumar<br>Balakrishnan | JKKMMRF'S-<br>Annai Jkk<br>Sampoorani<br>Ammal College<br>of Pharmacy | 22/12/2023 | INDIA  |
| 11. | Spectrophotometer                                                                                                                   | 408666-001         | Dr.T.Venkatachalam               | JKKMMRF'S-<br>Annai Jkk<br>Sampoorani<br>Ammal College<br>of Pharmacy | 26/02/2024 | INDIA  |
| 12. | Apparatus for production of ethosomal gel for rheumatoid arthritis                                                                  | 412991-001         | Dr.Senthil kumar<br>Balakrishnan | JKKMMRF'S-<br>Annai Jkk<br>Sampoorani<br>Ammal College<br>of Pharmacy | 08/04/2024 | INDIA  |



  
**Dr. N.SENTHILKUMAR,**  
**PRINCIPAL,**

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.



ORIGINAL  
क्रम सं/ Serial No. : 150911



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

389500-001

तारीख / Date

03/07/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FLUORESCENCE MEASUREMENT INSTRUMENT** से संबंधित है, का पंजीकरण, श्रेणी 10-04 में 1.Dr. V. N. Indulatha 2.Dr. K.G.Lalitha 3.Mrs. M. Sangeetha 4.Mrs. B. Hardha 5.Dr. T Venkatachalam 6.Dr. P.Balan के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-04 in respect of the application of such design to **FLUORESCENCE MEASUREMENT INSTRUMENT** in the name of 1.Dr. V. N. Indulatha 2. Dr. K.G.Lalitha 3.Mrs. M. Sangeetha 4.Mrs. B. Hardha 5.Dr. T Venkatachalam 6.Dr. P.Balan.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि:

Date of Issue : 27/12/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न

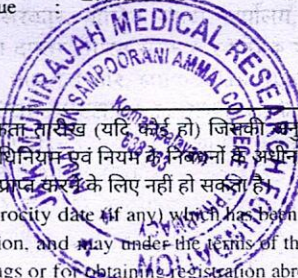
Controller General of Patents, Designs and Trade Marks

Dr. N. SENTHIL KUMAR

PRINCIPAL

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के नियमों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र की उपयोगी अधिकार कार्यवाही में अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for a term of ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
Namakkal District, Tamil Nadu. 638 183.



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6294303

Grant date: 12 July 2023

Registration date: 04 July 2023

### This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Madan Mohan Gupta, Jahasultana Mohammed, Alka Sonkar , Dr. Senthil

kumar Balakrishnan, Dr. Shyam Sunder V Pancholi, Dr. Kasturi Nagasree, Sushil

Kumar Singh, Mr. Pawan Kumar Gupta, Nilanjan Adhikari, Lalit kumar Singh

in respect of the application of such design to:

Franz diffusion cell dissolution apparatus for in vitro drug release

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

**Dr. N. SENTHILKUMAR,**  
**PRINCIPAL,**

MURAJAH MEDICAL RESEARCH FOUNDATION  
MURAJAH SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.



INTELLECTUAL  
PROPERTY INDIA  
REGISTRATION OF DESIGNS



ORIGINAL  
रजि. सं. Serial No.: 147100



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

391987-001

तारीख / Date

05/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY APPARATUS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Karavadi Thejomoorthy 2. Dr. Abhijeet Vishnu Puri 3.Dr. Desu Brahma Srinivasa Rao 4.Sonu Soni 5.Konda Vvs Krishna 6.Dr. Balan Paramasivam 7.Dr. E. Thilagam 8.Dr. Shashi Ravi Suman Rudrangi 9.Dr. Bhavna Amarishkumar Patel 10.Dr. Anar Patel 11.Dr.Vijayabhaskar Kanakam 12.Dr. Riddhi Darshan Trivedi के नाम से उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY APPARATUS** in the name of 1.Dr. Karavadi Thejomoorthy 2. Dr. Abhijeet Vishnu Puri 3.Dr. Desu Brahma Srinivasa Rao 4.Sonu Soni 5.Konda Vvs Krishna 6.Dr. Balan Paramasivam 7.Dr. E. Thilagam 8.Dr. Shashi Ravi Suman Rudrangi 9.Dr. Bhavna Amarishkumar Patel 10.Dr. Anar Patel 11.Dr.Vijayabhaskar Kanakam 12.Dr. Riddhi Darshan Trivedi.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

लाई करने की तिथि:

30/10/2023

Date of Issue



महानिदेशक पेटेंट डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*समस्तविधता तरीक़ (जहाँ फ़ोटो हो) जिसकी अनुमति दी गई है तथा देश का नाम डिजाइन का स्वतंत्राधिकार पंजीकरण की तारीख से दस वर्षों के लिए हीन निरस्त होकर, अधिनियम एवं नियमों के अधीन, पाँच वर्षों के अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का नज़राने निम्नलिखित रूप में दिया जाएगा।  
The reciprocity date of this month has been allowed for the name of the country. Copyright in the design will subsist for ten years from the date of Registration and may under the terms of the Act and Rules be extended for a further period of five years. This first period is to be used in legal proceedings or for extending registration abroad.



Dr. N. SENTHILKUMAR,  
PRINCIPAL,

MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
NAMAKKAL SAMPOORANAMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU.



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design



Design number: 6299577

Grant date: 06 August 2023

Registration date: 28 July 2023

### This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Juturi Ravi Kumar Reddy, Dr Senthilkumar Jagatheesan, Dr. Jaya Sharma ,

Dr. Sasikala Paneer Selvam, Dr Rashmi Nelligere Gopala Krishna,

Dr.Velayutham Suresh, Ms.Shailja kurele , Dr. Sushma Chaturvedi, Ms. Sainika

Himmatlal Kanzaria , Dr. Indira Raheja

in respect of the application of such design to:

AI ENABLED DEVICE USED FOR DETECTION OF BLOOD GLUCOSE LEVEL

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office. **Dr. N. SENTHILKUMAR,**  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU.



**INTELLECTUAL  
PROPERTY INDIA**  
PATENTS | DESIGNS | TRADEMARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

ORIGINAL  
क्रम सं/ Serial No. : 151758



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

392225-001

तारीख / Date

08/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **GLUCOMETER** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr.G.Rathinavel 2. Dr.T.Venkatachalam 3.Dr.S.Jayaraman 4.Dr.V.N.Indulatha 5.Dr.R.Priyadarsini 6.Jimmy Alex के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **GLUCOMETER** in the name of 1.Dr.G.Rathinavel 2. Dr.T.Venkatachalam 3.Dr.S.Jayaraman 4.Dr.V.N.Indulatha 5.Dr.R.Priyadarsini 6.Jimmy Alex.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

जारी करने की तिथि :  
Date of Issue : 04/01/2024

Dr. N. SENTHIL KUMAR,

\*पारस्परिकता तारीख, यदि कोई हो, जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निर्देशानुसार, अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाणपत्र का प्रयोग पेटेंट कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।  
The reciprocity date, if any, which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not to be used in legal proceedings, or for obtaining registration abroad.

JKK MONIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAL JKK SAMPOORAN AMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM-638 183.  
NAMANNAL DISTRICT, TAMILNADU.



ORIGINAL  
क्रम सं/ Serial No. - 144763



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India  
डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 392546-001

तारीख / Date : 11/08/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **INFRARED BASED MEDICAL DEVICE USED FOR CANCER THERAPY** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ashish Ashok Gawai 2. Dr. Sanjib Das 3.Dr. K. R. Biyani 4.Sachin Ashok Dhawale 5.Dr. Velayutham Suresh 6.Shaik.Munwar 7.Mr. Jagatjit Das 8.Dr. D. Swathi 9.Dr. Dasari Vasavi Devi 10.Ms. Rupali M. Barhate के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **INFRARED BASED MEDICAL DEVICE USED FOR CANCER THERAPY** in the name of 1.Dr. Ashish Ashok Gawai 2. Dr. Sanjib Das 3.Dr. K. R. Biyani 4.Sachin Ashok Dhawale 5.Dr. Velayutham Suresh 6.Shaik.Munwar 7.Mr. Jagatjit Das 8.Dr. D. Swathi 9.Dr. Dasari Vasavi Devi 10.Ms. Rupali M. Barhate.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 27/09/2023  
Date of Issue



सहानिदेशक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतः अधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाही में पंजीकरण प्रमाण करने के लिए नहीं हो सकता है।

The copyright date, if any, which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for registration abroad.



Dr. N. SENTHIL KUMAR,  
PRINCIPAL.  
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
KOTURAM, KOTTAIPALAYAM - 639 183.  
TAMILNADU DISTRICT T. TAMILNADU.



**INTELLECTUAL  
PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

ORIGINAL  
क्रम सं/ Serial No.: 151013



**पेटेंट कार्यालय, भारत सरकार** **The Patent Office, Government Of India**  
**डिजाइन के पंजीकरण का प्रमाण पत्र** | **Certificate of Registration of Design**

डिजाइन सं. / Design No. 392545-001

तारीख / Date 11/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HAND OPERATED TABLET PUNCHING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-09 में 1.Dr. Ram Kumar Choudhary 2. Dr. Ankit Jain 3.Dr. Sagar N Firke 4.Dr. Kuldeep P Waidya 5.Krishan Dev Parashar 6.Ms. Akanksha S Badhekar 7.Ms. Sonali Wavhal 8.Ms. Rupali M. Barhate 9.Ms. Snehal S Rakshe 10.Dr. Senthilkumar Balakrishnan 11.Dr. Dasari Vasavi Devi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-09 in respect of the application of such design to **HAND OPERATED TABLET PUNCHING MACHINE** in the name of 1.Dr. Ram Kumar Choudhary 2. Dr. Ankit Jain 3.Dr. Sagar N Firke 4.Dr. Kuldeep P Waidya 5.Krishan Dev Parashar 6.Ms. Akanksha S Badhekar 7.Ms. Sonali Wavhal 8.Ms. Rupali M. Barhate 9.Ms. Snehal S Rakshe 10.Dr. Senthilkumar Balakrishnan 11.Dr. Dasari Vasavi Devi.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 27/12/2023  
Date of Issue



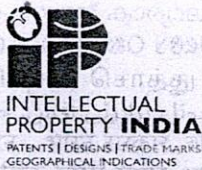
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

Dr. N. SENTHILKUMAR,

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा, जिसका विस्तार अधिनियम एवं नियम की दिकथनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करके के लिए नहीं हो सकता है।  
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



ANNA JKK SAMPOORAN AMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM, PIN 638 183  
TAMAKKAL DISTRICT, TAMIL NADU.



ORIGINAL  
क्रम सं/ Serial No. : 171968



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

412991-001

तारीख / Date

08/04/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **APPARATUS FOR PRODUCTION OF ETHOSOMAL GEL FOR RHEUMATOID ARTHRITIS** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में

1.Dr. Ubaidulla Uthumansha 2. Senthilkumar Balakrishnan 3.Dr. Priyanka Sinha 4.Dr. V. Sandhiya 5.Dr. Ganesh Mani के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to **APPARATUS FOR PRODUCTION OF ETHOSOMAL GEL FOR RHEUMATOID ARTHRITIS** in the name of 1.Dr. Ubaidulla Uthumansha 2. Senthilkumar Balakrishnan 3.Dr. Priyanka Sinha 4.Dr. V. Sandhiya 5.Dr. Ganesh Mani.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue : 06/06/2024



उन्नात पी अंडिव

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

Dr. N. SENTHIL KUMAR

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार अधिनियम एवं नियम के विधियों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाणपत्र के अधीन विधित्त कार्यालयों अथवा विदेश में पंजीकरण प्राप्त करने के लिए प्रयुक्त हो सकता है।  
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate may be used for obtaining proceedings or for obtaining registration abroad.

ANNAI JKK SAMPOORANAM MEDICAL RESEARCH FOUNDATION  
ETHIRMEDEI KOMARAPALLEYAM  
NAMAKKAL DISTRICT, TAMILNADU.



INTELLECTUAL  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

ORIGINAL

क्रम सं/ Serial No.: 169823



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

408666-001

तारीख / Date

26/02/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो SPECTROPHOTOMETER से संबंधित है, का पंजीकरण,

श्रेणी - 10-04 में 1.Dr. D. Saravanan 2. Dr. T. Venkatachalam 3.Dr. K. Kulathuranpillai 4.Mr. Gothanda Raman Selvaraju 5.Dr. S. Vinoth Kumar 6.Dr. P. Balan 7.Dr. K. Elavarasan के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-04 in respect of the application of such design to SPECTROPHOTOMETER in the name of 1.Dr. D. Saravanan 2. Dr. T. Venkatachalam 3.Dr. K. Kulathuranpillai 4.Mr. Gothanda Raman Selvaraju 5.Dr. S. Vinoth Kumar 6.Dr. P. Balan 7.Dr. K. Elavarasan.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue : 16/05/2024



उत्पात की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

Dr. N. SENTHILKUMAR,

PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL JKK SAMPOORANAM COLLEGE OF PHARMACY,

ETHIRMEDU, KOMARAPALAYAM-688 183.

NAMAKKAL DISTRICT, TAMILNADU.

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए प्रदान किया जाएगा, जिसका विस्तार अधिनियम एवं नियमों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग डिजाइन कर्तृताहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।  
(The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This certificate may not be used for obtaining registration abroad.)

## Certificate of Registration for a UK Design

Design number: 6308752

Grant date: 22 November 2023

Registration date: 08 September 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Doreddula Sathish Kumar, Mrs. Masa Amala, Prof. (Dr.) Ittagi Shanmukha, Dr.

Ellappan Thilagam, Dr. Birendra Shrivastava, Dr. Rahil Khan, Dr. Vinod Kumar,

Dr. Narendra Kumar Reddy Kolli, Dr. Swetha Polagani, Dr. Madhusmriti

Khandai, Ms. Nigar Kadar Mujawar

in respect of the application of such design to:

Tail Flick Analgesiometer for Animal Activity

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

*Adam Williams*

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office



*[Signature]*

Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU.



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6313368

Grant date: 27 September 2023

Registration date: 20 September 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Kumarappan Chidambaram, Ellappen Thilagani, Rajapandi Raju,

Prasanalakshmi Balaji

in respect of the application of such design to:

Apparatus to Separate Proteins as per Molecular Size

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES

*Adam Williams*

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office



*Dr. N. Senthil Kumar*  
Dr. N. SENTHILKUMAR,  
PRINCIPAL.

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAL JKK SAMPOORANI MEDICAL COLLEGE OF PHARMACY  
ETHIRAMEDU, KANCHI, PALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMIL NADU.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/10/2023

(21) Application No.202311069256 A

(43) Publication Date : 22/12/2023

(54) Title of the invention : ANTIDIABETIC AND ANTIHYPERLIPIDEMIC ACTIVITIES OF POLYHERBAL FORMULATION IN HIGH FAT DIET/STREPTOZOTOCIN INDUCED DIABETIC RAT MODEL

(51) International classification :A61P0003060000, A61P0003100000, A61P0003000000, A61P0003040000, A61K036480000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

1)Prof. (Dr.) Sanjaya Kumar Panda

Address of Applicant :Sherwood College of Pharmacy, Sherwood Educational Campus Dharsania, Near Safedabad Crossing, Barabanki, Uttar Pradesh- 225001, India Barabanki -----

2)Dr. Basavaraj Hulkoti

3)Dr. K Rajyalakshmi

4)Dr. Desu Brahma Srinivasa Rao

5)Sunil Kumar Prajapati

6)Dr. Saroj Yadav

7)Arthanariswaran Pandurangan

8)Ms. Madhuchandra Lahan

9)Dr. Pushpraj S Gupta

10)Dr P. Srinivasa Babu

11)Dr Chanabasappa Nagathan

12)Dr. Senthilkumar Balakrishnan

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Prof. (Dr.) Sanjaya Kumar Panda

Address of Applicant :Sherwood College of Pharmacy, Sherwood Educational Campus Dharsania, Near Safedabad Crossing, Barabanki, Uttar Pradesh- 225001, India Barabanki -----

2)Dr. Basavaraj Hulkoti

Address of Applicant :Assistant Professor, Government College of Pharmacy, No 2, P KalingaRao Road, Subbaiah Circle, Bangalore, Karnataka-5600273, India Bangalore Rural -----

3)Dr. K Rajyalakshmi

Address of Applicant :Professor & HOD, Department of Pharmaceutical Chemistry, Vignan Pharmacy College, Vadlamudi, Andhra Pradesh -522213, India Guntur -----

4)Dr. Desu Brahma Srinivasa Rao

Address of Applicant :Professor & HOD, Department of Pharmacology, Hindu College of Pharmacy, Amaravathirobad, Guntur, Andhra Pradesh-522002, India Guntur -----

5)Sunil Kumar Prajapati

Address of Applicant :Research scholar, Department of Pharmaceutical Science, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh - 211007, India Prayagraj -----

6)Dr. Saroj Yadav

Address of Applicant :Associate Professor, School of Medical & Allied sciences, KR Mangalam University Sohna, Gurgaon, Haryana- 122103, India Gurgaon -----

7)Arthanariswaran Pandurangan

Address of Applicant :Professor, Department of Pharmacognosy, Nirmalcollege of Health science, Chalakudy, Kerala- 680311, India THRISSUR -----



The Patent Office Journal No. 51/2023 Dated 22/12/2023

Dr. N. Senthilkumar

91281

PRINCIPAL,  
JKK MUNIRAJAN MEDICAL RESEARCH FOUNDATION  
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMERAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMIL NADU