JEYPORE COLLEGE OF PHARMACY

(Under the patronage of Banagiri Development Trust)
Approved by Government of Odisha, All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi,& Affiliated to Biju Patnaik University of Technology
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3.2.1(2) Patents Filed

JEYPORE COLLEGE OF PHARMACY

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PATENT PUBLICATION DETAILS

Sr No	Name of the faculty	Patent Filed Organisation	Patent Publication Date
1	Dr Prithwiraj Mohapatra	Indian Patent Office	14-02-2022
2	Dr Prithwiraj Mohapatra	Indian Patent Office	25-02-2022
3	Dr Prithwiraj Mohapatra	Indian Patent Office	25-02-2022
4	Dr Prithwiraj Mohapatra	Indian Patent Office	11-03-2022
5	Dr Prithwiraj Mohapatra	Indian Patent Office	11-03-2022
6	Dr Prithwiraj Mohapatra	Indian Patent Office	14-10-2022
7	Mr Sujit Kumar Martha	Australian Patent Office	13-04-2022
8	Mr Vikram Viswajit Mishra	German Patent Office	06-05-2022
9	Dr Sangram Keshari Panda	Indian Patent Office	20-05-2022
10	Dr Sangram Keshari Panda	Indian Patent Office	10-06-2022
11	Mrs Manasi Khadanga	German Patent Office	17-06-2022
12	Mr Santosh Kumar Behera	Indian Patent Office	08-07-2022
13	Mr Santosh Kumar Behera	Indian Patent Office	08-07-2022
14	Mrs Manasi Khadanga	Indian Patent Office	22-07-2022
15	Dr Sangram Keshari Panda	Indian Patent Office	10-08-2022
16	Dr Sangram Keshari Panda	Indian Patent Office	12-08-2022
17	Mrs Manasi Khadanga	Indian Patent Office	12-08-2022
18	Mr Aswini Kumar Sethi	Indian Patent Office	07-10-2022
19	Mr Aswini Kumar Sethi	Indian Patent Office	07-10-2022
20	Mrs Pratit Kanchan Sahu	Indian Patent Office	25-11-2022
21	Miss Subhashree Choudhary	Indian Patent Office	24-12-2022
22	Mrs Mazma Begum	Indian Patent Office	24-12-2022
23	Dr Prithwiraj Mohapatra	German Patent Office	25-11-2022

PRINCIPAL
JEYPORE COLLEGE OF PHARMACY
RONDAPALLI, JEYPORE (K) 764002

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/02/2022

(21) Application No.202241007602 A

(43) Publication Date : 25/02/2022

(54) Title of the invention : CLASSIFICATION OF IMAGES CAPTURED USING CT FOR KIDNEY RELATED AILMENTS

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(51) International classification :G06K0009620000, G06N0020000000, A61B0005055000, G06K0009200000, G06K0009000000

(86) International Application No :PCT//
    Filing Date :01/01/1900

(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

(57) Abstract :
Classification of images captured using CT for kidney related ailments is the proposed invention that focuses on identifying and analyzing the exact condition of kidneys. The deeper analysis of the disease paves way to therapeutic and precise the treatment. In this, the images that are captured using MRI is compared with CT using image registration technique. The machine learning algorithms are applied for the purpose of classification.

No. of Pages : 10 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/02/2022

(21) Application No.202211007265 A

(43) Publication Date : 25/02/2022

(54) Title of the invention : A MACHINE LEARNING BASED APPROACH TO CREATE A DATABASE OF MEDICINES AND THEIR COMPOSITIONS

(51) International classification :C06K0009620000, G16B0050000000, A61K0039395000, C06N0020000000, C16H0070400000	(71)Name of Applicant : 1)DR. PRIYAMBADA KSHIRODA NANDINI SARANGI Address of Applicant :PRINCIPAL, ISHAN INSTITUTE OF PHARMACY, CAMPUS-2, KNOWLEDGE PARK-1, GREATER NOIDA, UTTAR PRADESH- 201310 ----------- ---------- 2)SATYABRATA JENA 3)TAPAS KUMAR KHUNTIA 4)YAGNAMBHATLA RAJENDRA 5)DR. PRITHWIRAJ MOHAPATRA 6)DR NAROTTAM PAL 7)DR. MAHESH SHARMA 8)MR.DEVENDRA SINGH LODHI 9)DR. VIJAYA KUMAR GUDIVADA 10)DR. VIVEKANAND BALIRAM JADHAV 11)DR SONU MISHRA 12)DR VIRENDRA GOMASE Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)DR. PRIYAMBADA KSHIRODA NANDINI SARANGI Address of Applicant :PRINCIPAL, ISHAN INSTITUTE OF PHARMACY, CAMPUS-2, KNOWLEDGE PARK-1, GREATER NOIDA, UTTAR PRADESH- 201310 ----------- ---------- 2)SATYABRATA JENA Address of Applicant :ASSOCIATE PROFESSOR, BHASKAR PHARMACY COLLEGE, HYDERABAD, TELANGANA-500075 ----------- ---------- 3)TAPAS KUMAR KHUNTIA Address of Applicant :ASST.PROFESSOR, SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 ----------- ---------- 4)YAGNAMBHATLA RAJENDRA Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAK COLLEGE OF PHARMACY, MOINABAD, RANGAREDDY, 501504 ----------- ---------- 5)DR. PRITHWIRAJ MOHAPATRA Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, JEYPORE COLLEGE OF PHARMACY, JEYPORE, ODISHA-764002 ----------- ---------- 6)DR NAROTTAM PAL Address of Applicant :ASSOCIATE PROFESSOR, DEPT OF PHARMACEUTICAL ANALYSIS, BHASKAR PHARMACY COLLEGE, HYDERABAD ----------- ---------- 7)DR. MAHESH SHARMA Address of Applicant :ASSOCIATE PROFESSOR, BBA, IDEAL INSTITUTE OF MANAGEMENT AND TECHNOLOGY, KARKARDOOMA INSTITUTIONAL AREA, DELHI - 110092 ----------- ---------- 8)MR.DEVENDRA SINGH LODHI Address of Applicant :ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACY, GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES, BARGI HILLS JABALPUR 482003 ----------- ---------- 9)DR. VIJAYA KUMAR GUDIVADA Address of Applicant :ASSOCIATE PROFESSOR, INFORMATION TECHNOLOGY, NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD 500024 TELANGANA ----------- ---------- 10)DR. VIVEKANAND BALIRAM JADHAV Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, SHRI MUKTANAND COLLEGE, VAIJAPUR ROAD, GANGAPUR, TQ.-GANGAPUR, DIST.-AURANGABAD, PIN-431109, MAHARASHTRA, INDIA. ----------- ---------- 11)DR SONU MISHRA Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ----------- ---------- 12)DR VIRENDRA GOMASE Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ----------- ----------
(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	

(57) Abstract :
A machine learning based approach to create a database of medicines and their compositions is the proposed invention that focuses on creating a database of medicines that are prescribed for a particular disease. It also stores the compositions of each and every medicine such that the study will pave way for newer directions and identification of newer and efficous drug molecules. The proposed invention will revolutionize the work of pharmaceutical companies.

No. of Pages : 11 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/02/2022

(21) Application No.202241006799 A

(43) Publication Date : 25/02/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED TECHNIQUE TO IDENTIFY THE MEDICINE NAMES AND THEIR CONTENTS

(51) International classification :A61K0039395000, G06K0009620000, G06N0005020000, G01N0024080000, C04B0014060000	(71)Name of Applicant :
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(86) International Application No :PCT//	
Filing Date :01/01/1900	
(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	

(57) Abstract :
Artificial intelligence-based technique to identify the medicine names and their contents. The proposed invention does the work of mapping contents to diseases and thus can give way for never compositions of medicines. The proposed invention trains the model using supervised data sets and the results are usually depicted in the form of graphs and bar charts for the purpose of analysis and conclusions.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/02/2022

(21) Application No.202231007264 A

(43) Publication Date : 11/03/2022

(54) Title of the invention : A SYSTEM TO PREDICT AND SUGGEST THE COMPOSITIONAL VALUES OF HEART RELATED MEDICINES

(51) International classification	:A61B0005055000, G06N0020000000, A61B0005000000, G06K0009620000, G06F0040140000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :

A system to predict and suggest the compositional values of heart related medicines is the proposed invention that focuses on developing precision medicine for diabetes. The proposed invention is implemented using artificial intelligence techniques. The images of heart that are captured using MRI is used for prediction of medicine.

No. of Pages : 11 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/02/2022

(21) Application No.202231007101 A

(43) Publication Date : 11/03/2022

(54) Title of the invention : BIG DATA ANALYTICS FOR COVID 19 PATIENT HEALTH PREDICTION

(51) International classification	:C02F0001440000, G05B0013040000, G16H0050500000, A61K0031522000, G16H0050700000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Big data analytics for covid 19 patients' health prediction is the proposed invention which aims at implementing a framework that will predict the health and recovery rate of patients during the treatment. The proposed invention trains the model with supervised data sets of patients who have undergone treatment and discharged. The invention therefore focuses on comparing the previous case history of covid 19 patients with current ones and give predictions.

No. of Pages : 11 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241057762 A

(19) INDIA

(22) Date of filing of Application :10/10/2022

(43) Publication Date : 14/10/2022

(54) Title of the invention : SIMPLE UV SPECTROPHOTOMETRIC DETERMINATION OF ROSUVASTATIN CALCIUM IN PURE FORM AND IN PHARMACEUTICAL FORMULATION

(51) International classification :G01N0021310000, A61P0043000000, C07D0239420000, C12C0005020000, G06T0007120000

(86) International Application No :PCT//
Filing Date :01/01/1900

(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

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(57) Abstract :
A new, simple and sensitive spectrophotometric method in the ultravioletregion has been developed for the determination of rosuvastatin calcium in bulkand in pharmaceutical formulations. Rosuvastatin exhibits absorption maxima at244 nm with an apparent molar absorptivity of 7.2345 x104 L/mol.cm in methanol.Beer'slawwasfoundtobeobeyedintheconcentrationrangeof2-18µg/mL.The method is accurate, precise, and economical. This method is extended topharmaceutical preparations. In this method, there is no interference from anycommonpharmaceuticaladditivesanddiluents.The results of the analysiswerevalidated statisticallyandbyrecovery analysis.

No. of Pages : 8 No. of Claims : 7

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Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021104541

The Commissioner of Patents has granted the above patent on 13 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

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Title of invention:

A NOVEL FORMULATION OF SILYMARIN FOR TREATMENT OF HEPATITIS

Name of inventor(s):

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Term of Patent:

Eight years from 25 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 13th day of April 2022

Commissioner of Patents

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PATENTS ACT 1990
The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 102 391

Bezeichnung:
Polykräuterformulierung zur Verbesserung der Fruchtbarkeit

IPC:
A61K 36/82

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Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

München, 06.05.2022

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(12) PATENT APPLICATION PUBLICATION   (21) Application No.202231022525 A

(19) INDIA

(22) Date of filing of Application :16/04/2022   (43) Publication Date : 20/05/2022

(54) Title of the invention : A NEW METHOD FOR PRODUCING CELLULOSE FROM THE GRASS PLANT

(51) International classification	:C08B0015020000, C05F0011000000, D01F0001100000, C08J0005180000, D01F0011020000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)Name of Inventor :
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  2)Dr. Chitra K

(57) Abstract :
The present invention relates to the Nanocellulose can be prepared by acid decomposition or alkaline decomposition, after going through several long and expensive steps. In our work, an innovative, environmentally friendly and cost-effective method has been derived to prepare nano cellulose from grass which is easily available as vegetable waste from large areas of playgrounds, parks and public gardens. It is mowed, washed mechanically, grounded with a sodium hypochlorite solution of different concentrations and at different times 15, 30, 45 and 60 minutes. Finally, it was washed with distilled water, and treated with ultrasonic waves. Using LDS, SEM, XRY, HPLC, and EDX procedures, as well as thermal and electrochemical examination, the produced grass nano cellulose particle size and yield were investigated.

No. of Pages : 14 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION	(21) Application No.202211031968 A
(19) INDIA	
(22) Date of filing of Application :03/06/2022	(43) Publication Date : 10/06/2022

(54) Title of the invention : A NOVEL FORMULATION FOR PREVENTING SKIN FROM TERRIBLE CONSEQUENCES OF SANITIZERS

(51) International classification : A61Q0019000000, A61Q0019100000, A61K0008920000, A61K0008970000, A61Q0017000000	(71)Name of Applicant :
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(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	

(57) Abstract :
In one aspect of the present disclosure, a polyherbal composition is disclosed. The disclosed formulation does not have any ill effects on the skin. The hand sanitizer is prepared by mixing the following components in percentage by weight: aloe vera in between 12-20 %, coleus vettiveroids in between 12-22 % , Coriandrum sativum in between 5-10 %, citrus lemon in between 3-5 % , Azadirictica indica in between 2-6 % ,and isopropyl alcohol in between 40 - 55% pure plant spice and the balance of de-ionized water. The composition includes a soothing agent in a therapeutically significant amount and a conditioner. The hand sanitizer is prepared by taking the various components in percentage by weight, adding to a mixing container and uniformly stirring. The hand sanitizer can inhibit bacteria and sterilize, and is abundant in foam and warm to clean; the hand sanitizer, which is added with plant additives, not only provides necessary moisturizing components for cleaned hand skin so as to keep the hand skin moist and delicate, but also effectively protects the skin from being hurt. The hand sanitizer, which contains natural citric acid, has functions of resisting and inhibiting bacteria, and is capable of enhancing anti-aging effect of the skin, improving microcirculation of the skin, and preventing the skin from becoming rough and chapped; the hand sanitizer, after long-term use, can whiten and moisturize the skin. In the prepared formulation, the alcohol was used along with oil extract to get better result. In this study the herbal extract based formulations were formulated which were used to reduce germs on hand and harmless to hand and alternative to synthetic drugs. This formulation is advanced hand sanitizer which has moisturizing properties; this is highly effective against surface microbes. Our formulation novelty lies in synergistic effects of various herbs used in preparation, for instance they are rich source of linolenic acid, which provide the anti oxidant effect along with skin smoothening benefit.

No. of Pages : 14 No. of Claims : 8

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Bundesrepublik Deutschland

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über die Eintragung des
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Inhaber/Inhaberin:
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Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 17.06.2022

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241036249 A

(19) INDIA

(22) Date of filing of Application :24/06/2022

(43) Publication Date : 08/07/2022

(54) Title of the invention : MACHINE LEARNING TECHNIQUES TO ANALYZE THE IMPORTANCE OF NANO PARTICLES IN HEALING OF WOUNDS IN PATIENTS POST OPERATIVE CARE

(51) International classification	:A61K0009000000, A61L0015440000, A61K0031537700, A61K0047340000, A61P0017020000
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :

Machine learning techniques to analyze the Importance of Nano particles in Healing of Wounds in Patients post Operative care is the proposed invention. The invention focuses on analyzing how the direct delivery of Nano particles will improve the wound healing capacity. The proposed invention aims at fastening the wound healing in patients after getting operated. The proposed invention is very much essential in understanding the importance of drug delivery and wound healing capability.

No. of Pages : 12 No. of Claims : 3

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(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO STUDY AND ANALYZE THE PHARMACOGENOMICS ON ANTI CANCER DRUG MOLECULES

(51) International classification : C12N0015100000, G06N0020000000, C12Q0001685800, G06N0003040000, G16B0020000000	(71)Name of Applicant : 1)DR INAMUL HASAN MADAR Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOLOGY, SAVEETHA DENTAL COLLEGE AND HOSPITALS 162, POONAMALLEE HIGH ROAD, VEELAPPANCHAVADI, CHENNAI-600 077,TAMILNADU, INDIA AND DIRECTOR OF SANA HOSPITAL AND HEALTHCARE. Chennai ---------- ---------- 2)DR. SINHA ASHUTOSH KUMAR 3)ANITA DEVI CHAUHAN 4)MR. SANTOSH KUMAR BEHERA 5)AMRITA SINGH 6)ANURAG SINGH 7)AJAY KUMAR DIWAKAR 8)SAGAR SINGH 9)DR. HARISHCHANDER ANANDARAM 10)SUNIL KUMAR 11)ARPITA CHOUDHARY 12)SANDEEP KUMAR Name of Applicant : NA Address of Applicant : NA
(86) International Application No :PCT// Filing Date :01/01/1900	
(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	

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(57) Abstract :
Machine Learning based approach to study and analyze the pharmacogenomics on Anti Cancer Drug Molecules is the proposed invention. The invention aims at understanding the genetical sequences of every individual and how the genes will react to the therapeutic drugs. The proposed invention focuses on analyzing the importance of anti-cancer drugs molecules and its correlation with the field of pharmacogenomics.

No. of Pages : 13 No. of Claims : 3

PRINCIPAL
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241038227 A

(19) INDIA

(22) Date of filing of Application :02/07/2022

(43) Publication Date : 22/07/2022

(54) Title of the invention : MODIFIED ARTIFICIAL PHOTOSYNTHESIS FOR CO2 DECARBONIZATION

(51) International classification	:C25B0003040000, C10L0001020000, H01L0051000000, C12P0007540000, C12P0013040000	(71)Name of Applicant :
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(86) International Application No Filing Date	:PCT// :01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
A method for storing the energy gathered from the sun in organic molecules has been disclosed. In order to complete the process, a supply of water and a source of carbon are both required. Solar energy is used to make the water that is already present in the water source usable. In order to produce an organic product consisting of hydrogen and carbon, activated water must undergo a reaction with the carbon source. The energy content of the organic product is much greater than that of the carbon source.A particular implementation of the organic compound involves its use as a fuel in an apparatus for the generation of electricity, such as a fuel cell. In this particular implementation, methanol is the organic chemical of choice.

No. of Pages : 20 No. of Claims : 5

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भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	369047-001
तारीख / Date	:	10/08/2022
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **BIOMEDICAL EQUIPMENT (SET) FOR ORAL RADIOGRAPHS** से संबंधित है, का पंजीकरण, श्रेणी **24-01** में 1.Ashwin Kumar Thirukkovaluri Srinivasa 2. Mr.Chandan Nayak 3.Dr. Kahnu Charan Panigrahi 4.Prof. Dr. Sangram Keshari Panda 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 **BIOMEDICAL EQUIPMENT (SET) FOR ORAL RADIOGRAPHS** in the name of 1.Ashwin Kumar Thirukkovaluri Srinivasa 2. Mr.Chandan Nayak 3.Dr. Kahnu Charan Panigrahi 4.Prof. Dr. Sangram Keshari Panda.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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निर्गमन की तारीख/Date of Issue : 29/12/2022

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Controller General of Patents, Designs and Trade Marks

REPUBLIC OF SOUTH AFRICA
PATENTS ACT, 1978
COMPLETE SPECIFICATION
[Section 30(1) – Regulation 28]

21	01	OFFICIAL APPLICATION NO. **2022/09040**	22	LODGING DATE 2022/08/12

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51	A61K;A61P

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TITLE OF INVENTION

54	**FORMULATION FOR IMPROVING INSULIN RESISTANCE IN GESTATIONAL DIABETES MELLITUS**

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PRINCIPAL
JEYPORE COLLEGE OF PHARMACY
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REPUBLIC OF SOUTH AFRICA
PATENTS ACT, 1978
COMPLETE SPECIFICATION
[Section 30(1) – Regulation 28]

	OFFICIAL APPLICATION NO.		LODGING DATE
21	01 **2022/09040**	22	2022/08/12

	INTERNATIONAL CLASSIFICATION
51	A61K;A61P

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TITLE OF INVENTION

54	**FORMULATION FOR IMPROVING INSULIN RESISTANCE IN GESTATIONAL DIABETES MELLITUS**

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PRINCIPAL
JEYPORE COLLEGE OF PHARMACY
RONDAPALLI, JEYPORE-18, 764002

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241054973 A

(19) INDIA

(22) Date of filing of Application :26/09/2022

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(54) Title of the invention : FORMULATION AND CHARACTERIZATION OF TRANSDERMAL PATCHES OF AMLODIPINE BESYLATE USING OLIVE OIL AS THE NATURAL PERMEATION ENHANCER

(51) International classification	:A61K0009000000, A61K0031442200, A61K0009700000, A61K0008920000, A61K0031441800
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Amlodipine Basylate is employed to treat high blood pressure and prevents calcium ions from penetrating the cardiac and vascular mucosal tissue through transmembrane pathways. It was selected for synthesis because it satisfies all physicochemical criteria necessary for skin penetration. Olive oil has been demonstrated to be the much more efficient oil since it has penetrating properties and improves the stiffness of a patches during formulation. The drug's solubility, melting point, partition coefficient, and pH preformulation experiments were determined to be comparable to the norm. The solvent casting method was used to create the transdermal films for amlodipine, and various evaluation criteria, including weight variation, thickness, folding endurance, drug content, percentage moisture absorption, percentage moisture loss, and diffusion studies, were used to gauge their effectiveness. All of the parameters that the formulae indicated were within acceptable bounds. The optimal • formulation for amlodipine besylate was formulation F5, which contained olive oil and demonstrated greater release (98.89%) over a long enough time—up to 72 hours.

No. of Pages : 5 No. of Claims : 3

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(54) Title of the invention : SYSTEMATIC APPROACH TO PREDICT THE IMPORTANCE OF DIRECT DELIVERY OF NANOPARTICLES TO SKIN FOR COMPLEXION CARE

(51) International classification :B82Y0030000000, B82Y0005000000, A61K0039395000, C12N0015100000, H01L0031054000	**(71)Name of Applicant :** **1)SANJAY KUMAR GUPTA** Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, GLOBAL COLLEGE OF PHARMACY, MOINABAD,501504 HYDERABAD ----------- ----------- **2)DR.RAKESH BARIK** **3)DR.ARJUN GOJE** **4)ASHIS KUMAR MANNA** **5)MR.SWALIN PARIJA** **6)MR.CHETAN KUMAR DUBEY** **7)MR.ABHISHEK NAGAR** **8)DR. LUBHAN SINGH** **9)MR. ASWINI KUMAR SETHI** **10)DR. THATIKONDA KEERTHI** **11)DR.SINOY SUGUNAN** **12)SATYABRATA JENA** **Name of Applicant : NA** **Address of Applicant : NA**
(86) International Application No :PCT// Filing Date :01/01/1900 (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	

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(57) Abstract :
Systematic approach to predict the importance of direct delivery of nanoparticles to skin for complexion care is the proposed invention. The proposed invention focuses on analysing the impact of nano particles for skin treatment. The proposed invention aims at analysing the exact skin tone and texture. The database of various nano particles is considered for analysing their properties, directly delivering them and improving the skin complexion.

No. of Pages : 14 No. of Claims : 5

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(54) Title of the invention : Advanced Nano Phyto formulations based targeted drug delivery

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(57) Abstract :
This invention pertains to a pharmaceutical preparation and a method of preparation for treating challenged tissue in humans and animals, such as skin wounds and ulcers. The pharmaceutical preparation may be used to treat skin wounds and ulcers. This anti-cancer transdermal patch for melanoma treatment also refers to the multifunctional natural matrix that is intended for the treatment of impaired tissues. In addition, the invention includes a method for the treatment of Alzheimer's disease in addition to multiple sclerosis. The composition is made up of a water-solubilized nano-sized formulation of a non-aqueous solvent extract of phyto-pharmaceuticals in a herbal, animal, or synthetic biocompatible gel or on matrix coated, or both. In the most advantageous implementation, the composition is implemented as a topical device for the purpose of treating damaged tissues.

No. of Pages : 21 No. of Claims : 3

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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(21) Application No.202211075189 A

(43) Publication Date : 30/12/2022

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(54) Title of the invention : THE DETECTION OF VARIED EEG PATTERN SIGNAL FOR CHRONIC MIGRAINE PATIENTS

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(51) International classification :A61B0005000000, A61P0025060000, A61B0005374000, A61B0005316000, A61B0005369000

(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

(57) Abstract :
The analysis of particular (electroencephalographic) EEG frequency bands has revealed new insights relative to the neural dynamics that, when studying the EEG spectrum as a whole, would have remained hidden. This study is aimed at characterizing spectral resting state EEG patterns for assessing possible differences of episodic and chronic migraine during the interictal period. For that purpose, a novel methodology for analyzing specific frequencies of interest was performed. Methods. Eighty-seven patients with migraine (45 with episodic and 42 with chronic migraine) and 39 age- and sex-matched controls performed a resting-state EEG recording. Spectral measures were computed using conventional frequency bands. Additionally, particular frequency bands were determined to distinguish between controls and migraine patients, as well as between migraine subgroups. Results. Frequencies ranging from 11.6 Hz to 12.8 Hz characterized migraine as a whole, with differences evident in the central and left parietal regions (controlling for false discovery rate). An additional band between 24.1 Hz and 29.8 Hz was used to discriminate between migraine subgroups. Interestingly, the power in this band was positively correlated with time from onset in episodic migraine, but no correlation was found for chronic migraine. Conclusions. Specific frequency bands were proposed to identify the spectral characteristics of the electrical brain activity in migraine during the interictal stage. Our findings support the importance of discriminating between migraine subgroups to avoid hiding relevant features in migraine.

No. of Pages : 19 No. of Claims : 7

(54) Title of the invention : THE DETECTION OF VARIED EEG PATTERN SIGNAL FOR CHRONIC MIGRAINE PATIENTS

(51) International classification :A61B0005000000, A61P0025060000, A61B0005374000, A61B0005316000, A61B0005369000

(86) International Application No :NA
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(87) International Publication No : NA

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(57) Abstract :
The analysis of particular (electroencephalographic) EEG frequency bands has revealed new insights relative to the neural dynamics that, when studying the EEG spectrum as a whole, would have remained hidden. This study is aimed at characterizing spectral resting state EEG patterns for assessing possible differences of episodic and chronic migraine during the interictal period. For that purpose, a novel methodology for analyzing specific frequencies of interest was performed. Methods. Eighty-seven patients with migraine (45 with episodic and 42 with chronic migraine) and 39 age- and sex-matched controls performed a resting-state EEG recording. Spectral measures were computed using conventional frequency bands. Additionally, particular frequency bands were determined to distinguish between controls and migraine patients, as well as between migraine subgroups. Results. Frequencies ranging from 11.6 Hz to 12.8 Hz characterized migraine as a whole, with differences evident in the central and left parietal regions (controlling for false discovery rate). An additional band between 24.1 Hz and 29.8 Hz was used to discriminate between migraine subgroups. Interestingly, the power in this band was positively correlated with time from onset in episodic migraine, but no correlation was found for chronic migraine. Conclusions. Specific frequency bands were proposed to identify the spectral characteristics of the electrical brain activity in migraine during the interictal stage. Our findings support the importance of discriminating between migraine subgroups to avoid hiding relevant features in migraine.

No. of Pages : 19 No. of Claims : 7

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certificate

about the registration of
Utility Model No. 20 2022 105 865

Description:

A breast cancer detection system based on IoT and machine learning algorithms

IPPC:

G16H 50/20

Proprietor:

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Day of registration:
10/18/2022

Date of registration:
11/25/2022

The President of the German Patent and Trademark Office

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Cornelia Rudlof-Schäffer
Munich, November 25, 2022

The preconditions for the protection are: the registration of a utility model is not welcome