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पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044140618
SL No :



पेटेंट सं. / Patent No. : 395370
आवेदन सं. / Application No. : 4352/CHE/2015
फाइल करने की तारीख / Date of Filing : 20/08/2015
पेटेंटी / Patentee : 1.DST-PURSE CENTERE 2.DEPARTMENT OF FOOD &
INDUSTRIAL MICROBIOLOGY

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMARGINATA नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 20th day of August 2015 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMARGINATA as disclosed in the above mentioned application for the term of 20 years from the 20th day of August 2015 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 25/04/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 20th day of August 2017 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 20th day of August 2017 and on the same day in every year thereafter.

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Patent Search

Invention Title	PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMARGINATA
Publication Number	08/2017
Publication Date	24/02/2017
Publication Type	INA
Application Number	4352/CHE/2015
Application Filing Date	20/08/2015
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	FOOD
Classification (IPC)	A23L

Inventor		
Name	Address	Country
CHENNA KESAVA REDDY SANGATI	D.NO: 2-4-100 (1), P.W.D COLONY, PULIVENDULA, YSR (DT), PIN-516390, A.P, INDIA.	India
RAVEENDRA REDDY MALLELA	ASSISTANT PROFESSOR DEPT OF FOOD & INDUSTRIAL MICROBIOLOGY, COLLEGE OF FOOD SCIENCE & TECHNOLOGY, PULIVENDULA-516390, YSR (DT), A.P, INDIA.	India
JALARAMA REDDY KAMASANI	RESEARCHER (Ph.D Food Science) S.RAMAPURAM, KALAVAGUNTA, PENUMURU (Md), CHITTOOR (Dt)-517127, A.P, INDIA.	India
LAKSHMI KANTHA REDDY CHITLA	D.No: 2-78, BYRAPURAM (Vi), LODDI PALLI (Po), ORVAKAL (Md), KURNOOL (Dt)-518002, A.P, INDIA.	India
DINDU KAMAKSHI GARI VENKATA RAMANA	ASSOCIATE PROFESSOR DEPT OF CHEMISTRY, YOGANANDA INSTITUTE OF TECHNOLOGY AND SCIENCE, RENIGUNTA, TIRUPATI-517520, A.P, INDIA.	India
RAJKUMAR UMMADISETTI	LECTURER IN MICROBIOLOGY DEPT OF MLT GOVT JR COLLEGE, VADAMALAPET, CHITTOOR (Dt), A.P, INDIA.	India
SUCHARITHA KUMARAM VENKATA	ASSISTANT PROFESSOR DEPT OF HOME SCIENCE, S.V UNIVERSITY, TIRUPATI- 517502, A.P, INDIA.	India
DIVI VENKATA RAMANA SAIGOPAL	CO-ORDINATOR, DST PURSE CENTERE, S.V.UNIVERSITY, TIRUPATI - 517502.A.P, INDIA.	India
KALEEMULLAH SHAIK	PROFESSOR & HOD DEPT OF AGRICULTURAL ENGINEERING S.V AGRICULTURAL COLLEGE, TIRUPATI-517502, A.P, INDIA.	India
PAGADELA VINOD KUMAR	S/O P.KATANNA, H.NO: 4-6-5A1, RESERVOIR COLONY, TIRUPATHI - 517 507, AP, INDIA	India
SYAMALA BOREDDY	D.NO: 2-4-100 (1), P.W.D COLONY, PULIVENDULA, YSR (DT), PIN-516390, ANDHRA PRADESH (STATE), INDIA.	India

Applicant

Name	Address	Country
DST-PURSE CENTERE	DST-PURSE CENTERE, S.V.UNIVERSITY, TIRUPATI - 517502,	India
DEPARTMENT OF FOOD & INDUSTRIAL MICROBIOLOGY	DEPARTMENT OF FOOD & INDUSTRIAL MICROBIOLOGY, COLLEGE OF FOOD SCIENCE AND TECHNOLOGY (ANGRAU), PULIVENDULA, YSR (DT)-516390, AP (STATE), INDIA	India

Abstract:

APPLICANT: DST-PURSE CENTERE & DEPARTMENT OF FOOD & INDUSTRIAL MICROBIOLOGY **TITLE:** PRODUCTION OF ALCOHOL (NATURO-HOL) FROM AGAVE ALBOMA
ABSTRACT The present invention shall disclose a cost effective process for production of enhanced quality alcohol (Naturo-hol) from desert plant, Agave albomargina process involves assessing the maturity of agave plant and harvesting the leaves of matured agave plant. Then the harvested matured leaves are trimmed followed by them into small pieces and subjecting to dry heat treatment to form a cooked material. The cooked material is cooled followed by subjecting to juice extraction with water and filtering it to form extracted juice. Microbial starter *Saccharomyces* spp is added to the extracted juice at a predetermined ratio and allowed it to ferment for a predetermined period at predetermined temperature to form fermented product. The fermented product is distilled at a predetermined temperature followed by cooling to form condensed alcohol. The condensed alcohol is transferred into suitable containers for undergoing aging process followed by adjusting alcohol concentration to the required level and finally packed into suitable containers for secondary aging to form the alcohol (Naturo-hol).

Complete Specification**Claims:We Claim,**

1. A cost effective process for production of enhanced quality alcohol, Naturo-hol from desert plant, Agave albomarginata, which is devoid of usage of any harmful chemicals, the claimed process is characterized by following stages;
 - a. assessing the maturity of agave plant and harvesting the leaves of matured agave plant;
 - b. trimming followed by cutting the harvested matured leaves into small pieces and subjecting to dry heat treatment by transferring into oven and cooked at a predetermined temperature of dry heat at predetermined time to form a cooked material wherein the active enzymes and microbes undergoes destruction and produce characteristic aroma to the said cooked material;
 - c. cooling the said cooked material followed by subjecting to juice extraction without adding water and filtering to form extracted juice;
 - d. adding microbial starter *Saccharomyces* spp to the said extracted juice at a predetermined ratio and allowing to ferment for predetermined period at predetermined temperature to form fermented product;
 - e. distilling the said fermented product at a predetermined temperature followed by condensation to form condensed alcohol;
 - f. transferring the said condensed alcohol into suitable containers for undergoing aging process followed by adjusting alcohol concentration at desired level and packed into suitable containers for secondary aging to form the said Naturo-hol.
2. The process as claimed in claim 1 wherein the said dry heat treatment of step 1(b) is carried out in the temperature range of (70-95°C) of dry heat for 5 hours

[View Application Status](#)

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Page last updated on: 26/06/2019

15 YEARS
2003 2018

Attorneys-at-Law

July 17, 2019

CHENNAI
C.A. Industrial Estate,
Gandhi, Chennai - 600 033, INDIA
Tel: +91-44-2268 1338 / 4318 8341
4318 7347 / 4051 2408
Tele Fax: +91-44-42104347
Email: info@altact.com

BANGALORE
Suite #20, Level 9, Sakya Towers,
PK Road, Bangalore,
Karnataka - 560 001, INDIA
Phone: +91 8777466448
Tele Fax: +91-88-41800900
Email: bangalore@altact.com

COIMBATORE
#1533, Tricky Road,
(Next to Richmond Hospital),
Coimbatore, TamilNadu - 641018, INDIA
Phone: +91 9385422527
Tele Fax: +91-422-4391921
Email: coimbatore@altact.com

HYDERABAD
Ratika Business Centre,
Suite 10, 3rd Floor, NSL Icon,
Road No. 12, Banjara Hills,
Hyderabad - 500 034, INDIA
Phone: +91 7901491406,
Tel: +91-40-4621 1214
Email: hyderabad@altact.com

COCHIN
Suite 49, 8th Floor, Centre A,
Mapur Heritage Building,
MG Road, Cochin, Kerala - 682035, INDIA
Tel: +91-484-236 8214
Tele Fax: +91-484-4148129
Email: cochin@altact.com

Web: www.altact.com



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Prof. C. Suresh Reddy
Department of Chemistry,
S.V.U. College of Sciences,
Sri Venkateswara University,
Tirupati-517 502,
Andhra Pradesh, India

By Email and Speed Post

Dear Prof. Suresh Reddy,

Sub: Reporting Publication of Patent Application Number 201741046873 dated December 27, 2017.

Ref: Invention titled 'AMINO-CHROMENO-PYRIMIDINE-PHOSPHONATE DERIVATIVES AS BIOACTIVE COMPOUNDS AND PREPARATION THEREOF'

We wish to inform you that the Indian Patent office has published the above mentioned Patent Application in the Patent Office Journal No. 27/2019 dated July 5, 2019 and we herewith enclose the copy of the publication for your records and reference. There is no action to be taken in this regards.

In furtherance to our filing of Request for Examination as reported in our communication dated January 3, 2018. We are awaiting the Examination Report from the Patent Office and shall forward on receiving the same.

If you require any further information, please feel free to contact us

Warm Regards

A. Sangeetha

Sangeetha
Patent Associate

Encl: (By Speed)

1. Publication in Patent Office Journal (1 Pg)

Welcome VIDYA BHASKAR SINGH NANDIYAL

₹ 3680.00



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G.A.R.6

[See Rule 22(1)]

RECEIPT



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Date/Time 2022/06/03 13:37:34

To
VIDYA BHASKAR SINGH NANDIYAL

UserId: bhaskar

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CBR Detail:

Sl. No.	Int. No. Application No.	App. Number	Amount Paid	CBR No.	Form Name	Description
1	202241031825	TEMP/E-1/35554/2022-CHE	3680	22216	FORM 1	A CHICKEN FEED

Transaction ID	Payment Mode	Credit/Debit/Transfer Number	Amount Paid	Transaction Reference
N-0000974074	Online Bank Transfer	0306220010633	3680.00	1475001020000001

Total Amount : ₹ 3680.00

Amount in Words: Rupees Three Thousand Six Hundred Eighty Only

Received from VIDYA BHASKAR SINGH NANDIYAL the sum of ₹ 3680.00 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hence no signature required.

₹ 3680.00

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2017

(21) Application No.201741046873 A

(43) Publication Date : 05/07/2019

(54) Title of the invention : AMINO-CHROMENO-PYRIMIDINE-PHOSPHONATE DERIVATIVES AS BIOACTIVE COMPOUNDS AND PREPARATION THEREOF

(51) International classification	:A61K39/00	(71)Name of Applicant :	
(31) Priority Document No	:NA	1)SRI VENKATESWARA UNIVERSITY	
(32) Priority Date	:NA	Address of Applicant :Sri Venkateswara University, Tirupati.	
(33) Name of priority country	:NA	Andhra Pradesh India	
(86) International Application No	:NA	(72)Name of Inventor :	
Filing Date	:NA	1)Cirandur Suresh Reddy	
(87) International Publication No	: NA	2)Poola Sreelakshmi	
(61) Patent of Addition to Application Number	:NA	3)Sarva Santhisudha	
Filing Date	:NA	4)Balam Satheesh Krishna	
(62) Divisional to Application Number	:NA	5)Chichili Devendhranath Reddy	
Filing Date	:NA	6)Ummanni Ramesh	
		7)Kanchanapally Tejaswini	

(57) Abstract :

The present invention relates to amino-chromeno-pyrimidine-phosphonate derivative compounds of formula I or its pharmaceutically acceptable salts. The present invention also discloses compounds of formula I along with other pharmaceutical acceptable excipients and use of the compounds as anti-cancer agents. Compounds of the present invention are useful as medicaments and their use in the manufacture of medicaments for treatment of cancer. Formula I



No. of Pages : 46 No. of Claims : 11



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THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044130130
SL No :



पेटेंट सं. / Patent No. : 367043
आवेदन सं. / Application No. : 4345/CHE/2012
फाइल करने की तारीख / Date of Filing : 18/10/2012
पेटेंटी / Patentee : 1.S.V. UNIVERSITY 2.COLLEGE OF FOOD SCIENCE
AND TECHNOLOGY

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A PROCESS FOR PREPARING DEHYDRATED FRUIT BAR FROM PRICKLY PEAR FRUITS (OPUNTIA FICUS INDICA) AND PRODUCT THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 18th day of October 2012 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A PROCESS FOR PREPARING DEHYDRATED FRUIT BAR FROM PRICKLY PEAR FRUITS (OPUNTIA FICUS INDICA) AND PRODUCT THEREOF as disclosed in the above mentioned application for the term of 20 years from the 18th day of October 2012 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 19/05/2021
Date of Grant :


पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 18th day of October 2014 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 18th day of October 2014 and on the same day in every year thereafter.



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Email/ई मेल : Chennai-patent@nic.in
वेबसाइट / Website: <http://ipindia.nic.in>

सं. \ No. 3956/CHE/2014

दिनांक \ Dated the 17/03/2022

सेवा में, \ To :

Address of Service:- L.S DAVAR & COMPANY 32, RADHA MADHAV DUTTA GARDEN LANE KOLKATA 700010, WEST BENGAL PHONE:
91-33-23633251 FAX: 91-33-2363-3248 E-MAIL: lsdavar@ca12.vsnl.net.in
Email Id:- kolkatapatent@Lsdavar.in

विषय :- पेटेंट आवेदन संख्या 3956/CHE/2014 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 3956/CHE/2014

महोदय/महोदया,
Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व 29/07/2020 को हुई सुनवाई] के उपरान्त एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 17/03/2022 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on 29/07/2020] a patent is hereby granted and recorded in the Register of Patents on the 17/03/2022. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 392208
आवेदक का नाम \ Name Of Applicant	: L. ANITHA, M.M. KRISHNA, POOJA MANDLIK
पेटेंट दिनांक \ Date of Patent	: 12/08/2014
पूर्विकता तिथि \ Priority Date	: 12/08/2014
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 09/03/2016
शीर्षक \ Title	: FIBRE RICH, GLUTEN FREE BISCUITS
दावों की संख्या \ Number of claims	: 8

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।
The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।
The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act, 1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Saravana Ram Prasad V G

(नियंत्रक पेटेंट)

Controller of Patents

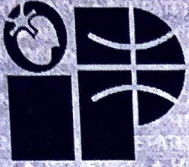
टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.



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पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044139524
SL No :



पेटेंट सं. / Patent No. : 392208
आवेदन सं. / Application No. : 3956/CHE/2014
फाइल करने की तारीख / Date of Filing : 12/08/2014
पेटेंटी / Patentee : L. ANITHA, M.M. KRISHNA, POOJA MANDLIK

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित FIBRE RICH, GLUTEN FREE BISCUITS नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 12th day of August 2014 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled FIBRE RICH, GLUTEN FREE BISCUITS as disclosed in the above mentioned application for the term of 20 years from the 12th day of August 2014 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 17/03/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 12th day of August 2016 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 12th day of August 2016 and on the same day in every year thereafter.

पेटेंट कार्यालय (1)
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 13/2022
ISSUE NO. 13/2022

शुक्रवार
FRIDAY

दिनांक: 01/04/20
DATE: 01/04/20

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2002 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries regarding this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Shri Rajendra Ratnoo)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

1ST APRIL, 2022

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241017546 A

(19) INDIA

(22) Date of filing of Application :26/03/2022

(43) Publication Date : 01/04/2022

(54) Title of the invention : Process for Acetonitrile biodegradation using Pseudomonas sp

(51) International classification :C02F0003340000, G01N0033569000, C12N0001200000, C12R0001010000, G01N0001400000
(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

(71)Name of Applicant :

1)PRASADA BABU GUNDALA

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

2)CHARAN THEJA PINDI

3)PARAMAGEETHAM CHINTHALA

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)PRASADA BABU GUNDALA

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

2)CHARAN THEJA PINDI

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

3)PARAMAGEETHAM CHINTHALA

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

(57) Abstract :

A process for Acetonitrile biodegradation using pseudomonas sp comprising the steps of:) soil: a) soil sample collection and analysis; b) Isolation of nitrile metabolising bacteria; c) Bacterial strains purification; d) Screening for nitrile hydrolyzing enzyme; e) Quantitative screening for nitrile hydrolyzing activity; e) Detection of ammonia; f) Preparation of resting cells; g) Immobilized into agar matrices; h) Degradation of acetonitrile. The biodegradation of acetonitrile is high in case of resting cells when compared to immobilized cells and immobilized cells showed degradation even at longer time of incubations.

No. of Pages : 73 No. of Claims : 14

पेटेंट कार्यालय (2)
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 13/2022
ISSUE NO. 13/2022

शुक्रवार
FRIDAY

दिनांक: 01/04/2022
DATE: 01/04/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Shri Rajendra Ratnoo)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

1ST APRIL, 2022

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241011408 A

(19) INDIA

(43) Publication Date : 01/04/2022

(22) Date of filing of Application :03/03/2022

(54) Title of the invention : Bioethanol and process for production thereof from Lyngbya

(51) International classification :C12P0007100000, C12P0007060000, C12R0001865000, C12N0001180000, C12R0001645000
(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

(71)Name of Applicant :

1)VEENA DALAVAI

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

2)PRASADA BABU GUNDALA

3)PARAMAGEETHAM CHINTHALA

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)VEENA DALAVAI

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

2)PRASADA BABU GUNDALA

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

3)PARAMAGEETHAM CHINTHALA

Address of Applicant :Department of Microbiology, Sri Venkateswara University, Tirupati- 517502, Andhra Pradesh, India -----

(57) Abstract :

Bioethanol (1) and process (2) for production thereof from Lyngbya comprising Lyngbya sp. BDU 90901 (3) and yeast strains namely Saccharomyces cerevisiae MTCC 170 (6) and Zygosaccharomyces rouxii MTCC 2635 (7) and baker's yeast (8). The production of ethanol from Lyngbya sp. BDU 90901 (3) through separate hydrolysis and fermentation using Saccharomyces cerevisiae MTCC 170 (6) and Zygosaccharomyces rouxii MTCC 2635 (7) and baker's yeast (8). Hydrolysates are selected and subjected to separate hydrolysis and fermentation using Saccharomyces cerevisiae MTCC 170 (6) and Zygosaccharomyces rouxii MTCC 2635 (7) and baker's yeast for ethanol production. The process (2) for production of bioethanol (1) comprising plurality of steps

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/09/2021

(21) Application No.202141043589 A

(43) Publication Date : 05/11/2021

(54) Title of the invention : A novel medicinal energy beverage composition and preparation method thereof

(51) International classification :A61K0031185000, A23K0020163000, A23L0033105000,
A61K0009140000, A23L0033175000
(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

(71)Name of Applicant :
1)Dr. Obaiiah Jamakala
Address of Applicant Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code 517 502 -----
2)Dr. Kutagolla Peera
3)Dr. Praveen Kumar Kadeyala
4)Mr. Anand Raj
5)Dr. Jayasimha Rayalu Daddam
6)Dr J Lakshman
7)Mrs Divya Sanganabhatla
8)Dr. R.Indira
9)Dr. Venkata Naga Baji Tokala
10)Dr. Kumara Swamy Jella
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Obaiiah Jamakala
Address of Applicant Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code 517 502 -----
2)Dr. Kutagolla Peera
Address of Applicant Sr Research Associate-III Department of Zoology Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin 517502 -----
3)Dr. Praveen Kumar Kadeyala
Address of Applicant Academic Consultant Animal Biotechnology Department of Zoology Sri Venkateswara University Tirupati, Andhra Pradesh, India Pincode: 517502 -----
4)Mr. Anand Raj
Address of Applicant Research Associate National Dope Testing Laboratory (NDTL) Ministry of Youth Affairs & Sports, Government of India Gate No. 10, JLN Stadium Complex Near MTNL building Lodhi Road, New Delhi, Delhi India, Pincode: 110003 -----
5)Dr. Jayasimha Rayalu Daddam
Address of Applicant Head Department of Biotechnology Sri Yuva Biotech Pvt Ltd Opposite to Shankar Matt Vidhya nagar, Hyderabad, Telangana, India Pincode: 500044 -----
6)Dr J Lakshman
Address of Applicant UGC-PDF Department of Zoology College of Sciences Sri Venkateswara University Tirupati, Andhra Pradesh, India Pin 517 502 -----
7)Mrs Divya Sanganabhatla
Address of Applicant Research Scholar University College of Technology Osmania University Hyderabad, Telangana, India Pincode-500007 -----
8)Dr. R.Indira
Address of Applicant Associate Professor in Zoology Ch S D Si Theresa's College for Women (A) Eluru, West Godavari Andhra Pradesh, India Pincode- 534003 -----
9)Dr. Venkata Naga Baji Tokala
Address of Applicant Assistant Professor Department of Chemistry Rajiv Gandhi University of Knowledge Technologies - AP, Nuzvid campus, Nuzvid, Andhra Pradesh, India Pincode: 521202 -----
10)Dr. Kumara Swamy Jella
Address of Applicant Associate Professor, Department of Chemistry Chaitanya Deemed to be University Hanamkonda, Warangal Telangana, India Pincode:506001 -----

(57) Abstract

The active chemicals caffeine and Taurine and other inert compounds are combined in a dry formulation to provide an alertness-inducing effect. The oral combination of caffeine and Taurine eliminates the need to consume large amounts of fluids or sweets. As an outcome of this innovation, a human's attention and arousal may be increased more quickly and easily than previously thought possible. To take advantage of the synergistic benefits of Taurine, an amino acid, and caffeine, a stimulant, combined, it is administered orally to increase an individual's arousal level. Most of the time, this is an effective way to increase arousal without consuming significant quantities of fluids, sugar, carbs, or active substances.

No of Pages : 22 No of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141043589 A

(19) INDIA

(22) Date of filing of Application :25/09/2021

(43) Publication Date : 05/11/2021

(54) Title of the invention : A novel medicinal energy beverage composition and preparation method thereof

(51) International classification :A61K0031185000, A23K0020163000, A23L0033105000,
A61K0009140000, A23L0033175000
(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

(71)Name of Applicant :

1)Dr. Obalah Jamakala
Address of Applicant :Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code: 517 502 -----

2)Dr. Kutagolla Peera
3)Dr. Praveen Kumar Kadeyala
4)Mr. Anand Raj
5)Dr. Jayasimha Rayalu Daddam
6)Dr J Lakshman
7)Mrs Divya Sanganabhatla
8)Dr. R.Indira
9)Dr. Venkata Naga Baji Tokala
10)Dr. Kumara Swamy Jella

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Obalah Jamakala
Address of Applicant :Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code: 517 502 -----

2)Dr. Kutagolla Peera
Address of Applicant :Sr. Research Associate-III Department of Zoology Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin: 517502 -----

3)Dr. Praveen Kumar Kadeyala
Address of Applicant :Academic Consultant Animal Biotechnology Department of Zoology Sri Venkateswara University Tirupati, Andhra Pradesh, India Pincode: 517502 -----

4)Mr. Anand Raj
Address of Applicant :Research Associate National Dope Testing Laboratory (NDTL) Ministry of Youth Affairs & Sports, Government of India Gate No. 10, JLN Stadium Complex Near MTNL building Lodhi Road, New Delhi, Delhi India, Pincode: 110003 -----

5)Dr. Jayasimha Rayalu Daddam
Address of Applicant :Head Department of Biotechnology Sri Yuva Biotech Pvt Ltd Opposite to Shankar Matt Vidhya nagar, Hyderabad, Telangana, India Pincode: 500044 -----

6)Dr J Lakshman
Address of Applicant :UGC-PDF Department of Zoology College of Sciences Sri Venkateswara University Tirupati, Andhra Pradesh, India Pin 517 502 -----

7)Mrs Divya Sanganabhatla
Address of Applicant :Research Scholar University College of Technology Osmania University Hyderabad, Telangana, India Pincode-500007 -----

8)Dr. R.Indira
Address of Applicant :Associate Professor in Zoology Ch.S.D.St.Theresa's College for Women (A) Eluru, West Godavari Andhra Pradesh, India Pincode- 534003 -----

9)Dr. Venkata Naga Baji Tokala
Address of Applicant :Assistant Professor Department of Chemistry Rajiv Gandhi University of Knowledge Technologies - AP, Nuzvid campus, Nuzvid, Andhra Pradesh, India Pincode: 521202 -----

10)Dr. Kumara Swamy Jella
Address of Applicant :Associate Professor, Department of Chemistry Chaitanya Deemed to be University Hanamkonda, Warangal Telangana, India Pincode:506001 -----

(57) Abstract :

The active chemicals caffeine and Taurine and other inert compounds are combined in a dry formulation to provide an alertness-inducing effect. The oral combination of caffeine and Taurine eliminates the need to consume large amounts of fluids or sweets. As an outcome of this innovation, a human's attention and arousal may be increased more quickly and easily than previously thought possible. To take advantage of the synergistic benefits of Taurine, an amino acid, and caffeine, a stimulant, combined, it is administered orally to increase an individual's arousal level. Most of the time, this is an effective way to increase arousal without consuming significant quantities of fluids, sugar, carbs, or active substances.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141046106 A

(19) INDIA

(22) Date of filing of Application :09/10/2021

(43) Publication Date : 22/10/2021

(54) Title of the invention : A SYSTEM FOR MEDICINAL PLANTS CULTURING

(51) International classification :A23F 3/34
(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

(71)Name of Applicant :

1)Dr. G. Neelamma

Address of Applicant :Associate professor Department of Pharmacognosy & Phytochemistry Srikrupa Institute of Pharmaceutical Sciences Siddipet, Telangana, India Pincode: 502277 -----

2)Ms. Mopuru Rishitha

3)Dr. Mudavath Chennakesavulu Naik

4)Dr. Sandip Sen

5)Dr. Shaik Harun Prasad

6)Dr. J. Sai Chandra

7)Dr.U.Keerthi

8)Dr. K.S.V.K.S. Madhavi Rani

9)Dr. M. Bheemalingappa

10)Dr. Kiran Kumar Yada

11)Dr. Obaiah Jamakala

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. G. Neelamma

Address of Applicant :Associate professor Department of Pharmacognosy & Phytochemistry Srikrupa Institute of Pharmaceutical Sciences Siddipet, Telangana, India Pincode: 502277 -----

2)Ms. Mopuru Rishitha

Address of Applicant :Research Scholar Department of Biotechnology Sri Krishnadevaraya University Anantapur, Andhrapradesh, India, Pincode: 515003 -----

3)Dr. Mudavath Chennakesavulu Naik

Address of Applicant :N-PDF Andaman and Nicobar Regional Centre Botanical Survey of India Andaman & Nicobar Islands Pincode: 744102. -----

4)Dr. Sandip Sen

Address of Applicant :Associate Professor and Head Department of Pharmaceutical Chemistry Srikrupa Institute of Pharmaceutical Sciences Velikatta, Kondapakka, Siddipet Telanagana, India Pin- 502277 -----

5)Dr. Shaik Harun Prasad

Address of Applicant :Professor & Head Department of Pharmaceutics Srikrupa Institute of Pharmaceutical Sciences Siddipet, Telangana, India Pincode: 502103 -----

6)Dr. J. Sai Chandra

Address of Applicant :Assistant Professor Department of Chemistry JNTUH College of Engineering, Sultanpur Sultanpur, Sangareddy Telangana, India Pincode: 502273 -----

7)Dr.U.Keerthi

Address of Applicant :D.No.12-1-64 Ashok Nagar, 4th cross Anantapuramu, Andhra pradesh, India Pin: 515002. -----

8)Dr. K.S.V.K.S. Madhavi Rani

Address of Applicant :Associate Professor Department of Zoology CH.S.D.ST. Theresa's College for Women (A) Eluru, West Godavari, Andhra Pradesh, India Pincode-534003 -----

9)Dr. M. Bheemalingappa

Address of Applicant :Guest Faculty Department of Botany KSN Govt. Degree College for women Ananthapuramu, Andhra Pradesh, India Pincode: 515003 -----

10)Dr. Kiran Kumar Yada

Address of Applicant :Principal Gate Institute of Pharmaceutical Sciences Ramapuram, Kodad, Suryapet, Telangana, India Pincode-508206 -----

11)Dr. Obaiah Jamakala

Address of Applicant :Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code: 517 502 -----

(57) Abstract :

[024] The present invention discloses a system for medicinal plants culturing. The present invention provides a photoautotrophic growth unit having principal constituents consisting essentially of a light transmittable and enclosed culturing container unit having a vent at the upper portion thereof; a carbon dioxide-rich air supply unit which is installed in contact with the bottom of the culturing container unit, and a culture solution storage unit for supplying the culturing container unit with a culture solution, wherein the supply unit is connected to a supply source of carbon dioxide-rich air and is permitted to communicate with the culturing container unit through various vertical fine tubes each of which has an opening on each end and installed at the bottom of the culturing container unit so that an upper end of each of the tubes protrudes beyond the liquid surface of the culture solution in the culturing container unit. Accompanied Drawing [FIG. 1]

No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/09/2021

(21) Application No.202141042345 A

(43) Publication Date : 01/10/2021

(54) Title of the invention : A novel method for producing nano biofuel by using sewage oil

(51) International classification
(86) International Application No
Filing Date
(87) International Publication No
(61) Patent of Addition to Application Number
Filing Date
(62) Divisional to Application Number
Filing Date

:C10L 5/46
:PCT//
:01/01/1900
:NA
:NA
:NA
:NA

(71)Name of Applicant :

1)Dr. Obalah Jamakala

Address of Applicant:Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code 517 502 -----

2)Mrs. Elipe Nirmala Devi

3)Dr. Mannur Ismail Shaik

4)Dr. Saritha Marella

5)Dr. Mohammed Arifullah

6)Dr. Moumita Saha

7)Dr. Kartik N. Shinde

8)Dr.Ashish Akojwar

9)Dr. P.K. Naktode

10)Dr. Sanjay J. Dhoble

11)Mr. Nellore Manoj Kumar

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Obalah Jamakala

Address of Applicant :Academic Consultant Department of Zoology, SVU College of Sciences Sri Venkateswara University, Tirupati Andhra Pradesh, India Pin Code 517 502 -----

2)Mrs. Elipe Nirmala Devi

Address of Applicant :Associate Professor Department of Mechanical Engineering Godavari Institute of Engineering and Technology (A) Rajahmundry, Andhra Pradesh, India Pincode: 533101 -----

3)Dr. Mannur Ismail Shaik

Address of Applicant :Lecturer Faculty of Fisheries and Food Science University Malaysia Terengganu Kuala Nerus, Terengganu, Malaysia Pincode -21030 -----

4)Dr. Saritha Marella

Address of Applicant :Post doctoral researcher Flat No 114, Srinivasa Castle, Narayanapuram, Tirupati, Andhra Pradesh, India Pincode-517503 -----

5)Dr. Mohammed Arifullah

Address of Applicant :Senior Lecturer Faculty of Agro Based Industry Universiti Malaysia Kelantan Jeli-Kelantan, Malaysia Pincode 17600 -----

6)Dr. Moumita Saha

Address of Applicant :Assistant Professor Department of Botany Shri Gnanambica Degree College Madanapalle, Andhra Pradesh, India Pincode-517325 -----

7)Dr. Kartik N. Shinde

Address of Applicant :Assistant Professor Department of Physics N.S. Science And Arts College Bhadrawati, Chandrapur, Maharashtra, India Pincode: 442902 -----

8)Dr.Ashish Akojwar

Address of Applicant :Research Scholar Department of Physics N.S. Science And Arts College Bhadrawati, Chandrapur, Maharashtra, India Pincode: 442902 -----

9)Dr. P.K. Naktode

Address of Applicant :Research Scholar Department of Physics N.S. Science And Arts College Bhadrawati, Chandrapur, Maharashtra, India Pincode: 442902 -----

10)Dr. Sanjay J. Dhoble

Address of Applicant :Professor Department of Physics RTM Nagpur University Nagpur, Maharashtra, India Pincode 440033 -----


11)Mr. Nellore Manoj Kumar

Address of Applicant :15-356, Gollapalem, Venkatagiri, SPSR Nellore District, Andhra Pradesh, India Pincode -524132 -----

(57) Abstract :

The present invention discloses a nano method for producing nano biofuel by using sewage oil as a raw material. The nano biofuel is prepared from the following raw materials in percentage by weight: 75-85% of the sewage oil, 5-10% of water, 1.5-3.5% of hydrophilic agent, 5-10% of oleophilic agent, 5-10% of oil adjusting agent and 0.05-0.3% of quality improving agent; and the said nano biofuel is prepared through subjecting the raw materials to the processing steps like pre treatment, pre-esterification reaction, transesterification reaction, rectification, oil adjusting, standing, curing and the like. The nano biofuel disclosed by the invention has the advantages of high heat value, difficulty in delamination and deterioration and low production cost. According to the invention, the sewage oil is turned into a beneficial industrial resource, serving as an energy-saving and environmentally-friendly fuel oil product, the nano biofuel can be used as an alternative diesel fuel or used for diesel motors, and the nano biofuel also has extremely high economic value and popularization value.

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


The Director
NAAC Committee
S.V. University
TIRUPATI - 517 502

45024



Australian Government

IP Australia

CERTIFICATE OF GRANT

Patent number: 2021106703

The Commissioner of Patents has granted the above patent on 24 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Afzal Basha Shaik of Department of Pharmaceutical Chemistry, Vignan Pharmacy College, Vadlamudi Guntur Andhra Pradesh 522213 India

Richie Rashmin Bhandare of Department of Pharmaceutical Sciences, College of Pharmacy and Health Sciences, Ajman University, P.O. Box 346 Ajman United Arab Emirates

Sathish Kumar Konidala of Department of Pharmaceutical Sciences, Vignan's Foundation for Science, Technology, and Research Guntur Andhra Pradesh 522213 India

Sampath Chinnam of Department of Chemistry, B.M.S. College of Engineering, Bull Temple Road Bengaluru Karnataka 560019 India

Prathima Bobbala of Sri Krishnaveni Degree College, Tarakatur, Chalasani Nagar, Poranki Vijayawada Andhra Pradesh 521137 India

Krishnamurthy Potla of Department of Chemistry, Bapatla Engineering College (Autonomous), Acharya Nagarjuna University Post Graduate Research Centre Bapatla Andhra Pradesh 522102 India

Girish Kumar Gupta of Sri Sai College of Pharmacy, Sri Sai Group of Institutes, Dalhousie Road, Badhani Pathankot Punjab 145001 India

Dileep Kumar Sigalapalli of Department of Pharmaceutical Chemistry, Vignan Pharmacy College, Jawaharlal Nehru Technological University Vadlamudi Andhra Pradesh 522213 India

SubbaRao Yakkate of DST-PURSE Centre, Sri Venkateswara University Tirupati Andhra Pradesh 517502 India

Hemalatha Kumara Swamy of 61/9, 1st floor, 5th cross, Gangappa Layout, behind Nainas bakery, Pai Layout Bengaluru Karnataka 560016 India

Title of invention:

Computer-aided molecular docking, physicochemical and ADMET properties of novel bromopyrimidine analogues as potential anti-cancer agents

Name of inventor(s):

Shaik, Afzal Basha; Bhandare, Richie Rashmin; Konidala, Sathish Kumar; Chinnam, Sampath; Bobbala, Prathima; Potla, Krishnamurthy; Gupta, Girish Kumar; Sigalapalli, Dileep Kumar; Yakkate, SubbaRao and Swamy, Hemalatha Kumara

Term of Patent:

Eight years from 24 August 2021



The Director
NAAC Committee
S.V. University
TIRUPATI - 517 502

Dated this 24th day of November 2021

Commissioner of Patents