

# Sevadal Mahila Mahavidyalaya

Sakkardara Square, Umrer Road, Nagpur

## Patents

Prof. Pravin Charde  
Principal  
Sevadal Mahila Mahavidyalaya



  
Principal  
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Umrer Road, Nagpur-9.

PATENT APPLICATION PUBLICATION

(21) Application No.201921020429 A

IPC CLASS

Date of filing of Application :23/05/2019

(43) Publication Date : 25/10/2019

Title of the invention : METHOD FOR THE SYNTHESIS OF DEGRADABLE BLACK PEPPER COMPOSITE MATERIAL

International classification	:G02B11/16	(71)Name of Applicant :	1)Dr. Archana S. Deshpande
Priority Document No	:NA	Address of Applicant :	Department of Physics, R.T.M. Nagpur University, Nagpur-440033, India Maharashtra India
Priority Date	:NA	2)Mr. Yatish R. Parauha	
Name of priority country	:NA	3)Dr. Sarang J. Deshpande	
International Application No	:NA	4)Dr. Nirupama S. Dhoble	
Filing Date	:NA	5)Dr. Sanjay J. Dhoble	
International Publication No	:NA	(72)Name of Inventor :	1)Dr. Archana S. Deshpande
Percent of Addition to Application Number	:NA	2)Mr. Yatish R. Parauha	
Filing Date	:NA	3)Dr. Sarang J. Deshpande	
Divisional to Application Number	:NA	4)Dr. Nirupama S. Dhoble	
Filing Date	:NA	5)Dr. Sanjay J. Dhoble	

Abstract :

Invention relates to a method for the synthesis of degradable black pepper composite material for LED application. The object of the proposed invention is to provide eco-friendly and degradable luminescent material to apply in light emitting diodes (LED) and display devices. The proposed methodology divides in four parts; 1) Pure powder of black pepper 2) Black Pepper Solution by 3) Europium (Eu) doped black pepper solution and 4) Black Pepper thin film. All these parts are characterized by photoluminescence (PL). PL characteristics in all parts showed interesting results. Following invention is described in detail with the help of Figure 1 of sheet 1 showing PL Excitation spectra of black pepper powder at  $\lambda_{em}=464nm$ , Figure 2 of sheet 1 showing PL emission of black pepper powder at  $\lambda_{ex}=380nm$  and Figure 3 of sheet 2 showing PL Emission of black pepper powder at  $\lambda_{ex}=421nm$ , Figure 10 of sheet 6 showing PL emission of black pepper composite with Eu at 516 nm and 658nm at  $\lambda_{ex} = 440nm$ .

No. of Pages : 23 No. of Claims : 1



*[Signature]*

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APPLICATION PUBLICATION

(21) Application No.201921008367 A

Date of Application :04/03/2019

(43) Publication Date : 17/05/2019

Invention : GAMMA RADIATION SHIELDING COMPOSITE MATERIALS

IPC Classification	:G21F 9/00	(71)Name of Applicant :	1)Dr. Sanjay J. Dhoble
Priority Document No	:NA	Address of Applicant :C/o Department of Physics, RTM	nagpur University Nagpur, Amravati Road, North Ambazari Road, Nagpur 440010 Maharashtra India
Priority Date	:NA	2)Dr. Anup P. Bhat	
Name of priority country	:NA	3)Mrs. Swati V. Joshi	
International Application No	:NA	4)Dr. Birendra Singh	
Priority Date	:NA	5)Dr. Prashant Bokare	
International Publication No	:NA	6)Dr. Nirupama S. Dhoble	
Number of Addition to Application Number	:NA	(72)Name of Inventor :	1)Dr. Sanjay J. Dhoble
Priority Date	:NA	2)Dr. Anup P. Bhat	
Addition to Application Number	:NA	3)Mrs. Swati V. Joshi	
Priority Date	:NA	4)Dr. Birendra Singh	
		5)Dr. Prashant Bokare	
		6)Dr. Nirupama S. Dhoble	

The invention relates to a gamma radiation shielding composite materials with placement techniques of fly ash bricks. The invention pertains to multi-component composite materials and techniques that provide improved capabilities for shielding against penetrating, harmful neutron and gamma radiation, as well as alpha and beta radiation emitted by high-level, transuranic and other radioactive wastes. These radiation shielding composite materials offer better capacity for shielding of high flux neutron and gamma radiation. In addition, cooling of fly ash surfaces is required during radioactive waste storage to further the length of the of fly ash and high radioactive temperature, and more cost-effective shielding capabilities than those of the conventional of fly ash, lead and steel shields. Following invention is described in detail with the help of Figure 1 of sheet 1 showing computational synthesis flow chart and Figure 2 of sheet 2 showing block diagram of measurement system.

Pages : 21 No. of Claims : 10



*[Signature]*  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No. 202021019460 A

(22) Date of filing of Application : 07/05/2020

(43) Publication Date : 03/07/2020

(54) Title of the invention : A SYNTHESIS OF  $\text{CaAl}_2\text{Si}_4\text{O}_{12}:\text{Dy}^{3+}$  + BLUE PHOSPHOR FOR LED APPLICATION

(51) International classification	: C09K0011770000, H01L0033500000, C09K0011080000, C23C0014060000, H01J0011420000	(71) Name of Applicant : 1) Chaitali M. Mehare Address of Applicant : Department of Physics, R.T.M. Nagpur University, Nagpur-440033, India Maharashtra India 2) Renu Nayar 3) Nirupama S. Dhoble 4) Sanjay J. Dhoble
(31) Priority Document No	: NA	(72) Name of Inventor : 1) Chaitali M. Mehare 2) Renu Nayar 3) Nirupama S. Dhoble 4) Sanjay J. Dhoble
(32) Priority Date	: NA	
(33) Name of priority country	: NA	
(35) International Application No	: NA	
Filing Date	: NA	
(37) International Publication No	: NA	
(38) Patent of Addition to Application Number	: NA	
Filing Date	: NA	
(42) Divisional to Application Number	: NA	
Filing Date	: NA	

(57) Abstract :

The present invention relates to a process for the synthesis of blue phosphor for LED application. The object is to provide a process for synthesis of novel  $\text{CaAl}_2\text{Si}_4\text{O}_{12}:\text{Dy}^{3+}$  + blue phosphor by using combustion method. The formation of crystal structure and surface morphology is analyzed by X-ray diffraction pattern and scanning electron microscopy techniques. The photoluminescence analysis reveals that prepared phosphor material exhibits an excellent emission at 422 nm, with two peaks around 479 nm and 575 nm monitor at excitation wavelength of near UV 369 nm. In addition, CIE color chromaticity confirms the emission colors locate at the blue light region. This blue emission supports the UV-excited white LED as a one of the candidate of blue emitting material. Following invention is described in detail with the help of Figure 1 of sheet 1 showing flow chart for synthesis  $\text{CaAl}_2\text{Si}_4\text{O}_{12}:\text{xDy}^{3+}$  (0.05 x 7.0 mole%) phosphor by combustion method.

No. of Pages : 17 No. of Claims : 2



*[Handwritten signatures]*

Principal

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021019718 A

(19) INDIA

(22) Date of filing of Application :09/05/2020

(43) Publication Date : 03/07/2020

(54) Title of the Invention : A MORTUARY CABINET FOR DISINFECTION OF VIRUS INFECTED DEAD BODIES

(51) International classification	:A61G0017060000, A61L0002100000, A01N0001000000, C02F0001320000, A61L0002180000	(71) Name of Applicant : 1) Nilesh M. Mahajan Address of Applicant : Department of Pharmaceutics, Dadasaheb Balpande College of Pharmacy, Nagpur-440037, MS, India Maharashtra India 2) Nirupama S. Dhoble 3) Sanjay J. Dhoble
(31) Priority Document No	:NA	(72) Name of Inventor : 1) Nilesh M. Mahajan 2) Nirupama S. Dhoble 3) Sanjay J. Dhoble
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(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 present invention relates to a mortuary cabinet for disinfection of virus infected dead bodies. The object of the proposed invention is to provide a sanitization cabinet using UV radiation for corona affected dismissal of dead body (3) for protecting the families and relatives from getting infected. The proposed unit has height, width and length as 4—4—7.5 ft3 respectively. All side wall of the cabinet is constructed by thick plastics. UVC lamp i.e. 200 nm to 280 nm wavelength are used for UV exposure purposed. UVC light crushed the NRA of virus and lamps with a radiation peak at around 254 nm for germicidal action for UV sensitization. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the mortuary unit containing dead body (3) for UV radiation exposure, Figure 2 of sheet 1 showing mortuary unit containing dead body (3) wrapped in a plastic.

No. of Pages : 10 No. of Claims : 3

The Patent Office Journal No. 27/2020 Dated 03/07/2020

24987



  
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(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202021034712 A

(19) INDIA

(23) Date of filing of Application : 12/08/2020

(43) Publication Date : 28/08/2020

(54) Title of the Invention : A PROCESS FOR SYNTHESIS OF DEHYDRATED LUMINESCENT CHABAZITE PHOSPHOR

(51) International classification : C06C  
11/00  
(31) Priority Document No : NA  
(32) Priority Date : NA  
(33) Name of priority country : NA  
(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 :  
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VNIT, NAGPUR-440010, INDIA Maharashtra India  
2) MEHARE CHAITALI M.  
3) NEELU SINGH  
4) DHOBLE NIRUPAMA S.  
5) DHOBLE SANJAY J.  
(72) Name of Inventor :  
1) JAIN ABHILASHA  
2) MEHARE CHAITALI M.  
3) NEELU SINGH  
4) DHOBLE NIRUPAMA S.  
5) DHOBLE SANJAY J.

(57) Abstract :

The present invention relates to a process for synthesis of dehydrated luminescent chabazite phosphor. The object of the proposed invention is to provide a synthesis and characterization of Eu<sup>3+</sup> ion activated micro porous aluminosilicate Ca-chabazite Ca<sub>1.9</sub>Al<sub>1.8</sub>S<sub>18</sub>O<sub>24</sub> phosphor. The chabazite phosphor has been synthesized using highly facile and robust combustion method. This method offers high temperature environment required for achieving highly pure and homogeneous phosphor material with desirable properties. Hence the synthesis and assessment of electron vibrational interaction parameters find out its potential application in solid-state lighting. Following invention is described in detail with the help of Figure 1 of sheet 1 showing XRD graph of Ca<sub>1.9</sub>Al<sub>3.8</sub>Si<sub>8</sub>O<sub>24</sub>:Eu<sup>2+</sup>-chabazite phosphor and Figure 2 of sheet 1 showing morphology of chabazite phosphor.

No. of Pages : 13 No. of Claims : 1

The Patent Office Journal No. 35/2020 Dated 28/08/2020  
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Ummer Road, Nagpur-9.





Australian Government

IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102696

The Commissioner of Patents has granted the above patent on 23 June 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Abhijeet R. Kadam of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

Digambar A. Ovhal of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

Nirupama S. Dhoble of Department of Chemistry, Sevadal Mahila Mahavidhyalay Nagpur 440024 India

Sanjay J. Dhoble of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

**Title of Invention:**

A SOLAR CELL EFFICIENCY ENHANCEMENT BY DOWNSHIFTING LAYER OF KALF<sub>4</sub>DY<sub>3</sub><sup>+</sup>, EU<sub>3</sub><sup>+</sup> CO-ACTIVATED DOWNCONVERSION PHOSPHOR AS SPECTRAL CONVERTERS

**Name of Inventor(s):**

Kadam, Abhijeet R.; Ovhal, Digambar A.; Dhoble, Nirupama S. and Dhoble, Sanjay J.

**Term of Patent:**

Eight years from 19 May 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.



PATENTS ACT 1990

Dated this 23<sup>rd</sup> day of June 2021

Commissioner of Patents

  
Principal  
Sevadal Mahila Mahavidyalaya  
Umrer Road, Nagpur-9.



Australian Government  
IP Australia

# CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102697

The Commissioner of Patents has granted the above patent on 23 June 2021, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Yatish R. Parauha of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

Sonal P. Tatta of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

Nirupama S. Dhoble of Department of Chemistry, Sevadal Mahila Mahavidyalaya Nagpur 440024 India

Sanjay J. Dhoble of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

**Title of Invention:**

A LOW-COST BLUE-EMITTING EU2+ ACTIVATED PHOSPHOR FOR NUV EXCITED WLEDs AND SOLAR CELL APPLICATIONS

**Name of Inventor(s):**

Parauha, Yatish R.; Tatta, Sonal P.; Dhoble, Nirupama S. and Dhoble, Sanjay J.

**Term of Patent:**

Eight years from 19 May 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 23<sup>rd</sup> day of June 2021

Commissioner of Patents

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PATENTS ACT 1990

Sevadal Mahila Mahavidyalaya  
Nagpur-9

The Australian Patent Office is the official source and should be referred to for the full details of the Act.





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# CERTIFICATE OF GRANT

## INNOVATION PATENT

**Patent number:** 2021106725

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):**

Chaitali Mehare of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

Renu Nayar of Department of Chemistry, D.P. Vipra College Bilaspur India

Sushama Kulkarni of Department of Electronic Science, M.S.G. College Malegaon Camp 423105 India

Vaishali Salunke of Department of Electronic Science, M.S.G. College Malegaon Camp 423105 India

Nirupama Dhoble of Department of Chemistry, Sevadal Mahila Mahavidhyalaya Nagpur 440009 India

Sanjay Dhoble of Department of Physics, R.T.M. Nagpur University Nagpur 440033 India

**Title of invention:**

A synthesis of  $\text{CaAl}_2\text{Si}_4\text{O}_{12}:\text{Dy}^{3+}$  blue phosphor for LED application

**Name of inventor(s):**

Mehare, Chaitali; Nayar, Renu; Kulkarni, Sushama; Salunke, Vaishali; Dhoble, Nirupama and Dhoble, Sanjay

**Term of Patent:**

Eight years from 24 August 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.



Principal

Sevadal Mahila Mahavidyalaya  
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Dated this 24<sup>th</sup> day of November 2021

Commissioner of Patents



**INTELLECTUAL  
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PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 74 Of The Patents Rules)

क्रमांक : 022114869  
SL No :



पेटेंट सं. / Patent No. : 377219  
आवेदन सं. / Application No. : 201921036337  
फाइल करने की तारीख / Date of Filing : 10/09/2019  
पेटेंटी / Patentee : 1.Chaitali M. Mehare 2.Yatish R. Parauha 3.Manohar  
D.Mehare 4.N.S. Dhoble et al.

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित PROCESS FOR SYNTHESIS OF EU<sub>2</sub>+ ACTIVATED K<sub>6</sub>CA<sub>4</sub>(SO<sub>4</sub>)<sub>6</sub>F<sub>2</sub> DOWN-CONVERSION PHOSPHOR FOR WHITE LIGHT EMITTING DIODES नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 10th day of September 2019 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 PROCESS FOR SYNTHESIS OF EU<sub>2</sub>+ ACTIVATED K<sub>6</sub>CA<sub>4</sub>(SO<sub>4</sub>)<sub>6</sub>F<sub>2</sub> DOWN-CONVERSION PHOSPHOR FOR WHITE LIGHT EMITTING DIODES as disclosed in the above mentioned application for the term of 20 years from the 10th day of September 2019 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 17/09/2021  
Date of Grant :



Principal

पेटेंट नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाएगा है, 10th day of September 2021, को अगले वर्ष प्रस्तावित 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 10th day of September 2021 and on the same day in every year thereafter.



**RASHTRASANT TUKADOJI MAHARAJ  
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**Dr. S. J. Dhoble**  
Professor

**CERTIFICATE**

**Outward no.** 55D/PhyJ/2120/041

**Date: 28-08-2020**

This is certify that Dr (Mrs.) N. S. Dhoble, Associate Professor in Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur, had been associated in research work that has resulted into following patents titled:

**Title of Published patents:**

Method for the synthesis of degradable black pepper composite material, Archana S. Deshpande, Yatish R. Parauha, Sarang J. Deshpande, **Nirupama S. Dhoble** and Sanjay J. Dhoble, **Indian Patent, Published, Patent number** : 201921020429 A, Date of Granted patent : 25-10-2019.

Automatic microcontroller based ice defrosting instrument, Sanjay. J. Dhoble, Govind B. Nair, Vibha. Chopra, Anup P. Bhat and **Nirupama. S. Dhoble**, **Indian Patent, Published, Patent number** : 201921029249 A, Date of Granted patent : 25-10-2019.

An ultra violet sanitizer for PPE kits, police uniform and clothes. Vibha Chopra, Nutan S. Satpute, **Nirupama S. Dhoble** and Sanjay J. Dhoble, **Indian Patent, Published, Patent number** : 202011020691 A. Date of Granted patent : 26-06-2020.

A process for synthesis of dehydrated luminescent chabazite phosphor. Abhilasha Jain, Chaitali M. Mehare, Neelu Singh, **Nirupama S. Dhoble**, Sanjay J. Dhoble, **Indian Patent, Published, Patent number** : 202021034712 A, Date of Granted patent : 28/08/2020.

**Prof. S.J. Dhoble**

**Dr. S. J. Dhoble**  
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**Dr. S. J. Dhoble**  
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**CERTIFICATE**

**Outward no.** SJD/phy/2021/031

**Date: 24-11-2021**

This is certify that Dr (Mrs.) N. S. Dhoble, Professor in Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur, had been associated in research work that has resulted into following patents titled:

**Title of Granted patents:**

A solar cell efficiency enhancement by downshifting layer of  $KAlF_4:Dy^{3+}, Eu^{3+}$  co-activated downconversion phosphor as spectral converters, Abhijeet R. Kadam, Digambar A. Ovhal, **Nirupama S.Dhoble** and Sanjay J. Dhoble, **Australian Patent, Granted, Patent number : 2021102696**, Date of Granted patent : 23-06-2021.

A low-cost blue-emitting  $Eu^{2+}$  - activated phosphor for NUV excited WLEDs and solar cell applications, Yatish R. Parauha, Sonal P Tatte, **Nirupama S. Dhoble** and Sanjay J. Dhoble, **Australian Patent, Granted, Patent number : 2021102697**, Date of Granted patent : 23-06-2021.

Process for synthesis of  $Eu^{2+}$  activated  $K_6Ca_4(SO_4)_6F_2$  down-conversion phosphor for white light emitting diodes, Chaitali M.Mehare, Yatish R. Parauha, Manohar D.Mehare, **N.S.Dhoble** and Sanjay. J. Dhoble, **Indian Patent, Granted, Patent number : 377219**, Date of Granted patent : 17/09/2021.

A synthesis of  $CaAl_2Si_4O_{12}:Dy^{3+}$  blue phosphor for LED application, Chaitali M. Mehare, Renu Nayar, Sushama C. Kulkarni, Vaishali T. Salunke, Nirupama S. Dhoble and Sanjay J. Dhoble, **Australian Patent, Granted, Patent number : 2021106725**, Date of Granted patent : 24-11-2021.



  
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**Prof. S.J. Dhoble**  
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# Urkunde

über die Eintragung des  
Gebrauchsmusters Nr. 20 2022 102 358

Bezeichnung:

Zusammensetzung zur Behandlung von Alpha-Thalassämie mit  
Hämoglobinproduktion

IPC:

A61K 48/00

Inhaber/Inhaberin:

Bhandari, Prabhakar Ramesh, Dr., Nagpur, Maharashtra, IN  
Jain, Neelu, Dr., Bhopal, Madhya Pradesh, IN  
Saha, Mamta Raj, Chandrapur, Maharashtra, IN  
Wadhai, Vijay Shamrao, Prof. Dr., Chandrapur, Maharashtra, IN

Tag der Anmeldung:

30.04.2022

Tag der Eintragung:

06.05.2022

Die Präsidentin des Deutschen Patent- und Markenamts

*Cornelia Rudloff-Schäffer*

Cornelia Rudloff-Schäffer

München, 06.05.2022



*[Signature]*  
Principal



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung des Gebrauchsmusters nicht geprüft.  
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMA-Register unter [www.dpma.de](http://www.dpma.de).

Mahila Mahavidyalaya  
Sevagan, Nagpur-9  
Umret Road, Nagpur-9

# Certificate

About the registration of  
Utility Model No. 20 2022 104 467

**Designation:**

Composition For Enhancing Physiological And Biochemical Characteristics And Extending The  
Storage Life Of Glycine Max

**IPC:**

A01N 59/26

**Owner:**

Bhandari, Prabhakar Ramesh, Dr., Nagpur, Maharashtra, IN  
Dambhare, Kirti Panjabrao, Dr., Nagpur, Maharashtra, IN  
Gadewar, Rajesh Dattatraya, Dr., Nagpur, Maharashtra, IN  
Lambat, Ashish Prabhakarrao, Dr., Nagpur, Maharashtra, IN  
Lambat, Prachi Ashish, Dr., Nagpur, Maharashtra, IN  
Mahajan, Ashish Purushottamrao, Dr., Nagpur, Maharashtra, IN

**Day of registration:**

05.08.2022

**Date of registration:**

23.08.2022

The President of the German Patent and Trademark Office  
Principal  
Sevadal Mahila Mahavidyalaya  
Umrer Road, Nagpur-9.



Camelia R. doff-Schaffer

Munich, 23.08.2022



Names/Numbers/Keywords



## Register information for utility models

File number DE: 20 2022 104 467.8 (status: pending/in force, as of: September 14, 2022)

BASE DATA					
INID	criteria	Field	contents		
	property right type	SART	utility model		
	status	ST	Pending/In Effect		
21	Case number DE	DAKZ	20 2022 104 467.8		
54	designation/title	ti	Composition to improve the physiological and biochemical properties and to extend the shelf life of glycine max		
51	IPC main class	ICM (ICMV)	<a href="#">A01N 59/26 (2006.01)</a>		
51	IPC minor class(es)	ICS (ICSV)	<a href="#">A23B 9/30 (2006.01)</a> , <a href="#">A23B 9/24 (2006.01)</a> , <a href="#">A01P 7/04 (2006.01)</a>		
22	Filing date DE	DATE	08/05/2022		
			⋮		
	Patent Gazette				
71/73	Applicant/Owner	INH	Bhandari, Prabhakar Ramesh, Dr., Nagpur, Maharashtra, IN; Dambhare, Kirti Panjabrao, Dr., Nagpur, Maharashtra, IN; Gadewar, Rajesh Dattatraya, Dr., Nagpur, Maharashtra, IN; Lambat, Ashish Prabhakarrrao, Dr., Nagpur, Maharashtra, IN; Lambat, Prachi Ashish, Dr., Nagpur, Maharashtra, IN; Mahajan, Ashish Purushottamrao, Dr., Nagpur, Maharashtra, IN		
74	Representative delivery address	VTR	Hohendorf Kierdorf Patent Attorneys PartGmbH, 50672 Cologne, DE		
	Due date	FT FG	08/31/2025 <a href="#">maintenance fee for the 4th-6th Year</a>		
43	initial release date	PUB	08/23/2022		
	Date of first transfer to DPMAregister	ENERGIZED	08/23/2022		
	Day of the (last) update in DPMAregister	REG	08/30/2022 ( <a href="#">show all update days</a> )		
PROCEDURAL DATA					
No.	procedure type	status of proceedings	status of proceedings ▲	initial release date	Show all details
1	pre-trial	The application is in the preliminary examination	08/05/2022		<a href="#">View Details</a>
2	utility model proceedings	Registration of the utility model	08/23/2022		<a href="#">View Details</a>





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#### Application Details

APPLICATION NUMBER	202241024609
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/04/2022
APPLICANT NAME	1 . C ANAND DEVA DURAI 2 . <u>DR. ASHISH PRABHAKAR LAMBAT</u> 3 . <u>DR.MRS PRACHI LAMBAT</u> 4 . ANANTHNATH GVS 5 . PRABUDDHA GIRI 6 . DR. MOHD. SHAIKHUL ASHRAF 7 . GOPALAKRISHNAN T 8 . YOGESH DILIP PATIL 9 . DR. R. PARIMALA 10 . DR SURENDRA KUMAR YADAV 11 . VIJAY 12 . DR. RITU
TITLE OF INVENTION	MACHINE LEARNING BASED APPROACH FOR ANALYZING AND EVALUATING THE HEALTH OF AGRICULTURAL LAND USING UNMANNED AERIAL VEHICLE(UAV)
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/05/2022

#### Application Status

APPLICATION STATUS

**Awaiting Request for Examination**

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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#### Application Details

APPLICATION NUMBER	202221025527
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/05/2022
APPLICANT NAME	<u>1 . DR. MRS PRACHI LAMBAT</u> <u>2 . DR. ASHISH LAMBAT</u> 3 . DR. R. MANIKANDAN 4 . DR. MOHD. SHAIKHUL ASHRAF 5 . NEELAXI PANDEY 6 . DR. MEDIKONDA. SWAPNA 7 . DR. NIKHIL RASTOGI 8 . DR. SHALINI GUPTA 9 . PRANAVAN S 10 . DR. L.NIVETHA 11 . DR. VIKAS TRIPATHI 12 . DR. HARISHCHANDER ANANDARAM
TITLE OF INVENTION	DEEP LEARNING TECHNIQUES FOR MONITORING THE HEALTH OF SOIL ALONG WITH CROPS USING UNMANNED AERIAL VEHICLE (UAV) TECHNIQUES
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/07/2022

#### Application Status

APPLICATION STATUS

**Awaiting Request for Examination**

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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**Principal**  
Sevadai Mahila Mahavidyalaya  
Umrer Road, Nagpur-9.

# Urkunde

über die Eintragung des  
Gebrauchsmusters Nr. 20 2022 104 646

**Bezeichnung:**

Zusammensetzung zur Herstellung eines hochbeständigen Verbundwerkstoffs  
aus Abfällen der Aluminiumindustrie

**IPC:**

C04B 18/04

**Inhaber/Inhaberin:**

Bobdey, Radhesh Atul, Nagpur, Maharashtra, IN  
Deshpande, Pravin Sudhakar, Dr., Nagpur, Maharashtra, IN  
Gupta, Nitu Subhash, Dr., Wardha, Maharashtra, IN  
Kapoor, Sushil Brijmohan, Dr., Chandrapur, Maharashtra, IN  
Thakare, Prashant Balwantrao, Dr., Chandrapur, Maharashtra, IN

**Tag der Anmeldung:**

16.08.2022

**Tag der Eintragung:**

14.09.2022

Die Präsidentin des Deutschen Patent- und Markenamts

*Cornelia Rudloff-Schäffer*

Cornelia Rudloff-Schäffer

München, 14.09.2022



*[Signature]*

Principal

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Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte [www.dpma.de](http://www.dpma.de).

Seva Pratiksha Mahavidyalaya

Umrer Road, Nagpur-9.

# Urkunde

über die Eintragung des  
Gebrauchsmusters Nr. 20 2022 102 100

Bezeichnung:

Synergistische antibiotische pharmazeutische Zusammensetzung zur  
Behandlung von Staphylococcus aureus-Infektionen

IPC:

A61K 45/00

Inhaber/Inhaberin:

Bhandari, Prabhakar Ramesh, Dr., Nagpur, Maharashtra, IN  
Shende, Sonali, Dr., Nagpur, Maharashtra, IN  
Wadekar, Bharti Ghude, Dr., Aurangabad, Maharashtra, IN  
Wadhai, Vijay Shamrao, Prof. Dr., Chandrapur, Maharashtra, IN

Tag der Anmeldung:

20.04.2022

Tag der Eintragung:

27.04.2022

Die Präsidentin des Deutschen Patent- und Markenamts

*Cornelia Rudloff-Schäffer*

Cornelia Rudloff-Schäffer

München, 27.04.2022



# Urkunde

über die Eintragung des  
Gebrauchsmusters Nr. 20 2022 104 467

**Bezeichnung:**

Zusammensetzung zur Verbesserung der physiologischen und biochemischen Eigenschaften und zur Verlängerung der Lagerfähigkeit von Glycin max

**IPC:**

A01N 59/26

**Inhaber/Inhaberin:**

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Dambhare, Kirti Panjabrao, Dr., Nagpur, Maharashtra, IN  
Gadewar, Rajesh Dattatraya, Dr., Nagpur, Maharashtra, IN  
Lambat, Ashish Prabhakarrao, Dr., Nagpur, Maharashtra, IN  
Lambat, Prachi Ashish, Dr., Nagpur, Maharashtra, IN  
Mahajan, Ashish Purushottamrao, Dr., Nagpur, Maharashtra, IN

**Tag der Anmeldung:**

05.08.2022

**Tag der Eintragung:**

23.08.2022

Die Präsidentin des Deutschen Patent- und Markenamts

*Cornelia Rudloff-Schäffer*

Cornelia Rudloff-Schäffer

München, 23.08.2022



*[Handwritten signature]*  
**Principal**



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