



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

Metric **Institution has created an ecosystem for innovations and has initiatives for**
3.2.1 **creation and transfer of knowledge (patents filed, published, incubation center**
 facilities in the HEI to be considered)

YEARWISE DETAILS

Year	2024	2023
Number	06	03

Response:09



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

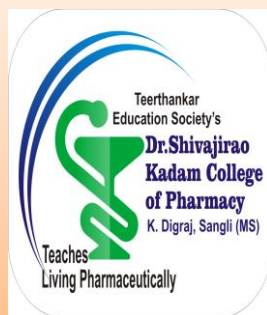
CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

INDEX

PATENT DETAILS

Sr. No.	Title of Patent	Name of the author/s	Department of the teacher	Date of Filing / Date of Publication	Patent No. / Application No.	Affiliation	Link
Academic Year - 2024							
1.	Modified Ball Milling Equipment For Size Reduction And Seperation	Dr. Sagar A. Jadhav	Pharmaceutical Chemistry	Date of Issue: 27/09/2024 (Granted)	398628-001 Serial No. 181478	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
		Dr. Pankaj A. Jadhav	Pharmaceutics				
		Mr. Godfrey R. Mathews	Pharmacology				
		Dr. Santosh M. Gejage	Pharmaceutics				
2.	Design Patent: Modified And Simple Mucoadhesive Strength Tester - For Determination Of Bioadhesion And Mucoadhesive Capacity Of Polymers	Dr. Pravin K. Pawar	Pharmaceutics	12/11/2024	6403831	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
		Dr. Santosh M. Gejage	Pharmaceutics				
		Dr. Pankaj A. Jadhav	Pharmaceutics				
		Mr. Godfrey Mathews	Pharmacology				
		Dr. Sagar A. Jadhav	Pharmaceutical Chemistry				
		Mr. Dipak Bhingardev	Pharmaceutics				
		Mr. Aaditya Chayani	Pharmacology				
3.	Instant Sugar Cane Beverage And Its Preparation	Dr. Sagar A. Jadhav	Pharmaceutical Chemistry	Filing Date: 20/09/2024 Publication Date:	202421071305A	Dr. Shivajirao Kadam College of Pharmacy,	Link
		Dr. Santosh M. Gejage	Pharmaceutics				

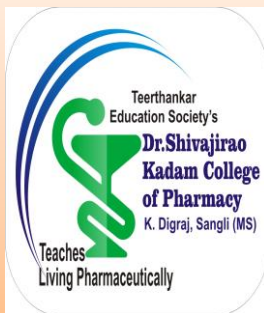


**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

	Process	Mr. Dipak B. Bhingardev	Pharmaceutics	25/10/2024		Kasabe Digraj, Sangli 416305	
		Mr. Godfrey R. Mathews	Pharmacology				
4.	Mucoadhesive Force Measurement Device	Ms. Nikita H. Gurav	Pharmaceutics	Filing Date: 07/07/2024 Publication Date: 06/09/2024	20242105190-5	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
		Dr. Harshada A. Patil	Pharmaceutics				
		Ms. Khushboo M. Kankaliya	Pharmaceutics				
		Ms. Ashwini S. Utage	Pharmaceutical Chemistry				
5.	Design Patent: Smart Microbes Instillation	Dr. Sandip B. Patil	Pharmacology	Filing Date: 14/11/2024	438503-001	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
		Ms. Archana V. Vanjari	Pharmacology				
6.	Apparatus For Isolation And Seperation Of Herbal Drugs	Mr. Dipak B. Bhingardev	Pharmaceutics	Date of Issued: 03/05/2024	404978-001	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
		Mr. Godfrey R. Mathews	Pharmacology				
	2023						
7.	AI based Breast Tumor Detecting Device	Dr. Sandeep B. Patil	Pharmacology	3/8/2023 (Granted)	6301228	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
8.	Dilution Device For Spectroscopic Analysis	Dr. Sandeep B. Patil	Pharmacology	24-02-2023 (Granted)	136493 / 380096-001	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

9.	Novel polymeric mineral compositions that mimic human kidney stone	Dr. Santosh M. Gejage	Pharmaceutics	Date of Filing: 22/03/2023 Date of Publication: 14/04/2023	202321020149 A	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli 416305	Link
----	--	-----------------------	---------------	---	-------------------	--	----------------------



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem



**Intellectual
Property
Office**

Registered design
[UNCERTIFIED COPY]

Design details

Design application number
6403831

Filing date (provisional)
12 November 2024

Defer registration
No

Design

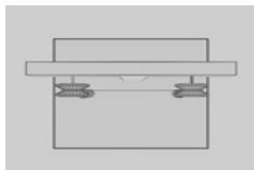
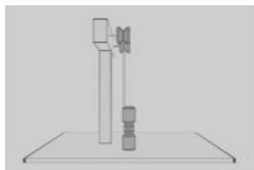
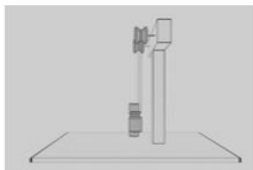
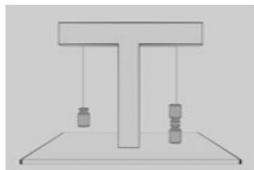
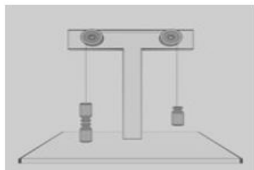
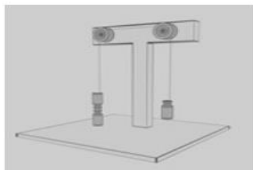
Modified & Simple Mucoadhesive Strength Tester- For Determination of Bioadhesion and Mucoadhesive capacity of polymers

Additional description
None

Illustration disclaimer

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the article. No claim is made by virtue of this registration to any right to exclusive use of the words, letters, numbers, or trade-mark appearing in the representation.

Illustrations



[Back To Index](#)



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem



Repeated surface pattern

No

Priority claims

None

Owner details

Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj. Affiliated to Shivaji University Kolhapur, Maharashtra India

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Dr Pravin Kondiba Pawar

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Mr. Nikhil Ananda Gajare

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Dr. Santosh Maruti Gejage

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Ms. Nikhat Samir Maindargi

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Dr. Pankaj Ashok Jadhav

Baganwat Kasabe Digraj Tal-Miraj, Dist- Sangli Maharashtra , India, Kasabe Digraj, Maharashtra, 416305, India

Mrs. Swati Pravin Pawar

Department of Microbiology, Willingdon College, Sangli, Tal-Miraj , Sangli, Maharashtra, 416416, India

Mr. Godfrey Rudolph Mathews

Baganwat Kasabe Digraj, Tal- Miraj Dist-Sangli, Kasabe Digraj, Maharashtra, 416305, India

Dr. Sagar Ashok Jadhav

Baganwat Kasabe Digraj , Tal- Miraj Dist- Sangli, Kasabe Digraj, Maharashtra, 416305, India

Mr. Dipak Babaso Bhingardev

Baganwat Kasabe Digraj , Tal- Miraj Dist- Sangli, Kasabe Digraj, Maharashtra, 416305, India

Mr. Aaditya Achyut Chayani

[Back To Index](#)



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2024

(21) Application No.202421071305 A

(43) Publication Date : 25/10/2024

(54) Title of the invention : INSTANT SUGAR-CANE BEVERAGE AND ITS PREPARATION PROCESS

(51) International classification :A23L2/02, A23L2/38, A23L2/39,
A23L2/52, A23L33/10
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. Sagar Ashok Jadhav.
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Sagar Ashok Jadhav.
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
2)Dr. Santosh Maruti Gejage
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
3)Dipak Babaso Bhingardev
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
4)Mr. Godfrey Rudolph Methews
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
5)Ms. Arya Ganesh Yadav
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
6)Ms. Chinmayee Ramrao Thorat.
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
7)Ms. Mrunmayee Ramrao Thorat.
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----
8)Ms. Amruta Ramesh Tanangi
Address of Applicant :Dr. Shivajirao Kadam College Of Pharmacy, Kasbe Digraj, Tal:- Miraj, Dist:- Sangli, Maharashtra, India. 416305 Kasabe Digraj -----

(57) Abstract :
The present invention relates to Instant sugar cane-based beverage preparation. The preparation process follows a sustainable drying process to reduce the water content and followed by addition of required solid flavors for better palatability and other required excipients are the principal components of the Instant sugar cane-based beverage preparation. Invention also provides the method of preparation of the Instant sugar cane-based beverage preparation. Invention discloses procedure develop solid form of optimizing the drying as well as formulation process for instant sugar cane-based beverage containing dried form of sugar cane juice with requisite of excipients according to need of the composition. Present invention also discloses procedure to characterize the instant sugar cane-based beverage containing dried form of sugar cane juice.

No. of Pages : 18 No. of Claims : 3



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

9/11/24, 3:56 PM

Intellectual Property India



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202421051905
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/07/2024
APPLICANT NAME	1 . Ms. Nikita Harekrishna Gurav 2 . Ms. Aishwarya Shekhar Pachore 3 . Ms. Maseera Mansoor Mulla 4 . Ms. Neha Sanjay Pachore 5 . Dr. Harshada Ajit Patil 6 . Ms. Khushboo Mithalaal Kankaliya 7 . Ms. Ashwini Chandrashekhar Utage 8 . Ms. Rutuja Sanjay Awati
TITLE OF INVENTION	'MUCOADHESIVE FORCE MEASUREMENT DEVICE'
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	nikitagurav666@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/09/2024

Application Status

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

1/2

[Back To Index](#)



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:

438503-001

Cbr Number:

221728

Cbr Date:

26/11/2024 17:23:27

Applicant Name:

1. Ms. Archana Vilasrao Vanjari
2. Mr. Mukund Namdeo Urade
3. Miss. Amruta Sunil Gaikwad
4. Dr. Yadu Nandan Dey
5. Dr. Abhinandan Ravsaheb Patil
6. Dr. Sandeep Balvant Patil

Design Application Status

Application Status:

Application Under Process (waiting for Technical Examination)

[Back To Index](#)



**Teerthankar Education Society's
Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj**

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem



Certificate of Registration for a UK Design

Design number: 6301228

Grant date: 12 August 2023

Registration date: 03 August 2023

This is to certify that,

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

Dr. Katta Sunand, Dr. Abhishek Sharma, Dr. Nitin Chandrakant Mohire, Prof. Gita

Nitin Mohire, Dr. Sandip Balvant Patil, Mayuresh Kashinath Raut, Mrs. Sakina

Yusuf Punjab, Ms. Snehal Sunil Mohire

in respect of the application of such design to:

AI-Based Breast Tumor Detecting Device

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

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

Adam Williams

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

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



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo

[Back To Index](#)



Teerthankar Education Society's Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem



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

ORIGINAL

पुल/No : 136493



डिजाइन सं. / Design No. : 380096-001

तारीख / Date : 24/02/2023

परस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DILUTION DEVICE FOR SPECTROSCOPIC ANALYSIS** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Abhinandan Ravsaheb Patil 2. Dr. Ghanshyam Magan Chavan 3.Devika Kotekar 4.Dr. Sandeep Balvant Patil के नाम में उपयुक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to **DILUTION DEVICE FOR SPECTROSCOPIC ANALYSIS** in the name of 1.Dr. Abhinandan Ravsaheb Patil 2. Dr. Ghanshyam Magan Chavan 3.Devika Kotekar 4.Dr. Sandeep Balvant Patil.

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

निर्गमन की तारीख/Date of Issue : 16/05/2023



भारत सरकार
Controller General of Patents, Designs and Trade Marks

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





Teerthankar Education Society's Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj

CRITERION 3: Research, Innovations and Extension

3.2 – Innovation Ecosystem

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2023

(21) Application No.202321020149 A

(43) Publication Date : 14/04/2023

(54) Title of the invention : NOVEL POLYMERIC MINERAL COMPOSITIONS THAT MIMIC HUMAN KIDNEY STONE

(51) International classification :A61B 172200, A61K 380000, A61P 131200, C12N 050710, C12N 097200

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Ms. Akshada Guruling Wale

Address of Applicant :Premlok Park Sahara 65 Flat No 13, Pimpri Chinchwad Pune Pin- 411033 India. Pimpri Chinchwad -----

--

2)Ms. Sapna Rajendra Zine

3)Mr. Shivam Rakesh Shinde

4)Dr. Santosh Maruti Gejage

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Ms. Akshada Guruling Wale

Address of Applicant :Premlok Park Sahara 65 Flat No 13, Pimpri Chinchwad Pune Pin- 411033 India. Pimpri Chinchwad -----

--

2)Ms. Sapna Rajendra Zine

Address of Applicant :At -Gadi Tal- Georai Dist- Beed Maharashtra India. 414203 Georai -----

3)Mr. Shivam Rakesh Shinde

Address of Applicant :Premanand Bangalow 8th Lane, Behind Akashwani Kendra Kolhapur Road Sangli 416416 Sangli -----

4)Dr. Santosh Maruti Gejage

Address of Applicant :Dr. Shivajirao Kadam College of Pharmacy Kasabe Digraj Tal- Miraj Dist- Sangli Sangli -----

(57) Abstract :

Kidney stone disease afflicts 12% of men and 8% of women in the United States, and its rates are increasing. Calcium comprising uroliths are recognized as brushite, whewellite, whitlockite and carbonate apatite. Struvite and newberyite are magnesium containing whereas ammonium acid urate, mono sodium urate monohydrate, uric acid anhydrous, uric acid mono and dihydrate are commonly existing urate stones. This invention relates to designing the novel polymeric mineral compositions that mimics human kidney stones. The present invention also relates to the preparation of in-vitro urolithiatic model artificial kidney stones for evaluation of various kidney stone dissolving compositions and use in urolithotripsy optimization process. Newer generation polymeric mineral artificial kidney stones that can be useful not only in short wave lithotripsy but also in evaluating herbal as well as allopathic preparations in-vitro for their stone dissolving compositions.



Fig. 1: Representative of Artificial Kidney Stones with Natural Kidney Stones

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

The Patent Office Journal No. 15/2023 Dated 14/04/2023

31675

[Back To Index](#)