

Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

3.5.1

Copies of MOUs/ collaboration/related documents indicating the nature of collaboration and year wise activity.

List of activities conducted under each MOU along with dates of starting and completion year wise signed by both parties

ACADEMIC YEAR 2021-2022

Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration /linkage is made, with Contact details	Start date	End date	List of activities and exchange (Outcome)
Intellectual Property Intellectual Services(IPIS)	27/08 /2021	26/08/2023	Filing of Patents, Publication of patents, conduct of guest sessions
Scitesla Private Limited	06/12/2021	05/12/2026	Exchanged Lab Facility
Crystal Biological Solutions	06/12/2021	05/12/2026	Performed Cell Line Study
Kusum Life Sciences	27/01/2022	25/01/2027	Conduct of guest session
ASPM's K. T. College of Pharmacy,Osmanabad	26/04/2022	Operative unless terminated	Conduct of guest session



BETWEEN

**Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,**
Akurdi, Pune, Maharashtra, Pin. 411044
Through its Principal
Dr. N. S. Vyawahare
AGE: 45 YEARS, OCC: SERVICE,
RESIDING AT: A/2/10, Elite Garden, Near Wireless Colony, D. P. Road, Aundh, Pune- 411007

(Hereinafter for the sake of convenience and brevity shall be referred to as "First Party".)

... PARTY OF THE FIRST PART

AND

Intellectual Property Intellect Services (IPIS)
Pune, Maharashtra, India
Proprietor Firm having its registered office at:
Shop No 02, Sr No 27/2, Near Ram mandir, Ambegaon Bk, Pune-411046
Through its Proprietor
Mahesh Madanrao Jadhav
AGE: 37 YEARS, OCC: BUSINESS,
RESIDING AT:
Yashodanand Bungalow, Sr No 26/2/2, Near Ram mandir,
Ambegaon Bk, Pune-411046.

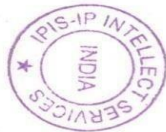
(Hereinafter for the sake of convenience and brevity shall be referred to as "Second Party".)

... PARTY OF THE SECOND PART

WHEREAS

The First Party is Educational Institute/College named as above. First Party is the amongst the premium Pharmacy institutes imparting quality education in a sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. First Party is recognized by the All India Council for Technical Education (AICTE), New Delhi and Pharmacy Council of India (PCI). It offers D. Pharm., Undergraduate (B. Pharm.) and Postgraduate (M. Pharm.) programs. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative

Page 2 of 8



[Back to summary](#)

methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India. Whereas the second party is also engaged in teaching and research in Pharmaceutical Sciences.

WHEREAS

Second Party is at present an IP-Law firm actively involved in training and imparting education in the field of intellectual property. It also provides all kinds of IP services like drafting, filing of application, prosecution, renewal and patent valuation & strengths of patent, and commercialization guidance, and litigation etc.

WHEREAS both the parties being in the field of imparting knowledge have agreed to collaborate to with following objects:

1. The purpose of this MOU is to continue to develop and expand a framework of cooperation between the First Party and Second party to develop mutually beneficial programs and projects.
2. Both the parties agree to work together with a view to making complete and better-quality patent information available to their Students and faculties.
3. Recognizing the mutual interests in the fields of research, education, training, transfer of technology and dissemination of knowledge on long term noncommercial basis, and to jointly organize short-term continuing education programs, seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein,
4. Recognizing the importance of institutes of higher education's role in promoting Intellectual collaboration and increased contribution of social economic development

Page 3 of 8



[Signature]
Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.



[Back to summary](#)

WHEREAS both the parties hereby covenant to adhere with following terms for entering into this Memorandum of Understanding:

1. Both the parties shall maintain permanent channels of communication for the exchange of information relating to patents with First Party.
2. Both the parties shall explore possibilities of updating the respective information technology systems if required.
3. Both the parties may co-operate in the IP awareness and innovation, creation and implementation of services which will raise consciousness of the importance of industrial property in all sectors of society.
4. The quotation for patent filing is mentioned in annexure.
5. Fees quoted in the Annexure shall be paid in slots as patent drafting, filing and application fees as per government norms and predefined rates at the time of application. And the remaining fees viz. early publication, if required and other necessary fees, shall be paid as per the requirement. Both the parties agree that they will not quote any other price of the required services, than mentioned in the annexure.

NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER

1. Field of Co-Operation:

Co-operation between both the parties may be established within any field related to science and technology of mutual interest and in particular in the fields of research, development, education, training, and transfer of technology.

Both the Parties shall:



[Back to summary](#)

- a. cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests;
- b. promote appropriate joint research projects and joint courses of study, with particular emphasis on Intellectual property studies;
- c. Exchange of best practices, experiences and knowledge on IP awareness among public, authorities, businesses and research and educational institution;
- d. Exchange of information and best practices on processes for disposal of applications for patents, trademarks, industrial designs and Geographical Indications, as also the protection, enforcement and use of IP rights;
- e. Cooperate to understand how Traditional Knowledge is protected; including the use of traditional knowledge related databases and awareness raising of existing IP systems.



Management and Administration:

Negotiation, implementation and co-operation of the Memorandum of Understanding fall under the responsibility of both the parties.

3. General Provisions:

- a. Both the parties will carry out research activities, as a follow up to this Memorandum of Understanding. The activities must be carried out in accordance with appropriate laws of India for the time being in force.
- b. Both the parties shall initiate and exchange research facilities and other relevant things required to carry out research projects.

4. Intellectual Property:

Both the parties hereby agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arise as a result of any collaborative research

Page 5 of 8


Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044



[Back to summary](#)

or activity under this MOU will be worked out on a case-by-case basis, and will be consistent with the officially laid down IPR policies of the two institutions.

5. Amendments:

This Memorandum of Understanding may be amended, if required, by mutual agreement between both the parties, formalized by an exchange of letters specifying the date of entry into force.

6. Settlement of Disputes:

Any dispute which may arise in connection with the interpretation or enforcement of this Memorandum of Understanding shall be strived to be settled by mutual consultation between both the parties and for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.

7. Termination:

Either Party may terminate this Memorandum of Understanding at any time with at least 90 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.

- 8.** This MOU shall take effect from the date of its signing and shall be valid for the period of 2 (Two) years from the date on which it came into force.

Signed in Pune on 27 /08/2021 in two original in English language.



[Signature]
Principal
Dr. B. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044

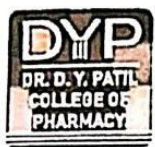
[Back to summary](#)

For Party of the First Part	Dr. D. Y. Patil Pratishthan's Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune, Maharashtra, Pin. 411044	For Party of the Second Part	IPIS Pune IP Intellect Services, Pune
Signature with seal	 	Signature with seal	 
Designation	Principal	Designation	Founder
Name	Dr. N. S. Vyawahare Principal	Name	Mahesh Jadhav
Date	Dr. D. Y. Patil College of Pharmacy Akurdi, Pune - 411 044 27/08/2021	Date	27/08/2021



[Back to summary](#)

Activity conducted with Intellectual Property Intellect Services (IPIS), Pune Faculty Patent Details Summary



Dr. D. Y. Patil Pratishthan's Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune-411 044.
Tel. : 020-27458141, Tel. Fax : 020-27454141
E-mail : info@dyppharmaceuti.edu.in Web : www.dyppharmaceuti.edu.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognised by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

Activity conducted with Intellectual Property Intellect Services (IPIS), Pune Faculty Patent Details Summary

Sr. No.	Name of Faculty	Name of Authors	Title	Publication at	Status of Patent	Date of Grant/ Publication / Failing
1.	Dr. N. S. Vyawahare	Dr. A. A. Garud, Dr. R. Jagtap, Mr. S. R. Acharya, Ms. M. P. Jadhav, Ms. S. A. Shende	High Density Quick Response Asthma Advanced Inhalers Manufacturing Process	India (202121044199 A)	Published	26/11/2021
2.	Dr. (Mrs.) Shilpa P. Chaudhari	Mr. Dhanaji S. Suryavanshi	Improved Extraction and Isolation of Pharmaceutically Active Ingredients from <i>Murraya koenigii</i>	India (202121024884 A)	Published	10/06/2022
3.	Dr. (Mrs.) Shilpa P. Chaudhari	Mr. Dhanaji S. Suryavanshi	Tablet-in-Tablet-in-Tablet Pulsatile Drug Delivery System for Prostate Cancer of Bicalutamide, Curcumin and Koenimbine	India (202221032093 A)	Published	24/06/2022
4.	Dr. D. S. Shirde	Dr. N. S. Vyawahare, Dr. A. V. Kulkarni, Dr. B. B. Jain	<i>Hugoniamyxa</i> Extract Act a Antiulcer and Antioxidant	India (202221023986 A)	Published	03/06/2022
5.	Mr. Mukesh T. Molite	Dr. R.S. Karoh, Dr. N.S. Vyawahare, Ms. Smita Shete	Herbal Cream for Skin Beautifying	India (202121019801 A)	Published	20/08/2021
6.	Dr. Nikita Saraswat	Ms. D. Dwivedi, Dr. Satsyaprakash Singh, Dr. P. P. Dash	Nephroprotectant for Acute Kidney Injury	Germany (A61K 36/28)	Granted	09/01/2022

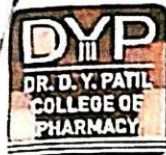
Dr. N. S. Vyawahare
Principal
Dr. D. Y. Patil College of Pharmacy



IP Intellect Services
Proprietor

Regd. Office : 2126C, "Ajinkyatara", Tarabal Park, Kolhapur - 416 002. Tel. No. 0231-2653288/89/90 Fax No. : 0231-2653428

[Back to summary](#)



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. 1 020-27658141, Tel. Fax 1 020-27658141
E-mail 1 info@dyppharmashurd.ac.in Web 1 www.dyppharmashurd.ac.in
Approved by 1 All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi, Recognized by 1 Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satish D. Patil
Vice-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

7.	Dr.(Mrs.)P. M. Chaudhari	Mr.R. P. Borse	Intranasal Microemulsion for Depression	India (202221015928 A)	Published	26/08/2022
8.	Dr. R. S. Kansdi	Dr. Kiran Bhise	Polyherbal/Microemulsion for Acne	India (202221026456)	Filed	23/04/2022
9.	Dr. V. R. Vaidya	--	Topical Herbal Gel containing <i>Phyllanthusemblica</i> fruit extract and <i>Cressacretica</i> fruit extract	India (202121050851)	Published	12/05/2023
10.	Dr. V. R. Vaidya	--	Microemulsion gel preparation for Psoriasis Therapy	India 202121048108	Published	28/04/2023
11.	Dr.(Mrs.)P. M. Chaudhari	Mr.Rushabh Misal.	"Rizatriptan Benzoate Loaded Nanostructured Lipid Carriers"	India 202321027176	Published	12/05/2023
12.	Mr. Sandip S. Kshirsagar	Mr. Somdatta Chaudhari	Computational Approaches in Modifying the inhibition of Toll like Receptors in Alzheimer's Disease Prognosis using Claviceps Purpurea derived brominated compound, A-Frgnscryptine	India 202221055444A	Published	07/10/2022
13.	Mr. Sandip S. Kshirsagar	Dr. Arabinda Ghosh	Computational approaches in altering the inhibition of Acetylcholinesterase Receptor in Alzheimer's disease treatment using Geranylgeraniol	India 202231060095	Published	04/11/2022
14.	Mr. Sandip S. Kshirsagar	Sakshi Sandeep Phatak	Big Data Analytics supports to reduce risk factors in Health Care Industry.	India 202221065759A	Published	25/11/2022
15.	Dr. Vaibhav R. Vaidya	Dr. Ashish Kulkarni	Herbal Formulation of <i>Phyllanthus Emblica</i> and <i>Piper Betel</i> for Treatment of Peptic Ulcer.	India 202321027186 A	Published	12/05/2023
16.	Dr. Revan Karodi	Prachi Kulkarni	Polyherbal microsponges based Topical Delivery System.	India 202221066530	Filed	06/05/2022

PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,



IP Intellect Services
Proprietor

Regd. Office: 2126 "Ajinkya", Tarbal Park, Kolhapur - 416 007. Tel. No. 0231-2653268/89790 Fax No. : 0231-2653426

[Back to summary](#)



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

सत्यमेव जयते



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details

APPLICATION NUMBER	202121044190
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/09/2021
APPLICANT NAME	1 . Aniket Ashwinkumar Garud, Assistant Professor 2 . Dr. Neeraj S. Vyawahare, Principal 3 . Rutika Jagtap, Assistant Professor at RJSPM's 4 . Sushant Ramesh Acharya 5 . Manasi Pradip Jadhav 6 . Shriya Ashok Shende , Study Director 7 . Gugale Prachi Kishor 8 . Dr. Swati Nilesh Deshmukh , Associate Professor
TITLE OF INVENTION	HIGH DENSITY QUICK RESPONSE ASTHMA ADVANCED INHALERS MANUFACTURING PROCESS.
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	ani.pharmacology@gmail.com
ADDITIONAL-EMAIL (As Per Record)	neerajsv@rediffmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/11/2021

[Back to summary](#)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 101 495

Bezeichnung:

System für L-Carnitin bessert die durch Gallengangsligatur induzierte
Leberfibrose durch Verringerung des nitrosativen Stresses

IPC:

G01N 33/50

Inhaber/Inhaberin:

Nimbalkar, Vikram Vinayakrao, Ahmednagar, Maharashtra, IN
Vyawahare, Niraj Sudhakar, Dr., Pune, Maharashtra, IN

Tag der Anmeldung:

22.03.2022

Tag der Eintragung:

04.04.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Comelia Rudloff-Schäffer

Comelia Rudloff-Schäffer



München, 04.04.2022

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMA-Register unter www.dpma.de

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/06/2021

(21) Application No.202121024884 A
(43) Publication Date : 10/06/2022

(54) Title of the invention : IMPROVED EXTRACTION AND ISOLATION OF PHARMACEUTICALLY ACTIVE INGREDIENTS FROM MURRAYA KOENIGII

(51) International classification :A61K0036750000, C12N0015100000, G01N0033500000, A61K0031407000, H01L0021762000
(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)Dhanaji S. Suryavanshi
Address of Applicant :Dhanaji S. Suryavanshi Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----
2)Dr. Shilpa P. Chaudhari
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dhanaji S. Suryavanshi
Address of Applicant :Dhanaji S. Suryavanshi Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----
2)Dr. Shilpa P. Chaudhari
Address of Applicant :Dhanaji S. Suryavanshi Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----

(57) Abstract :

The present invention relates to the extraction and isolation of pharmaceutically active ingredients from plant material, this invention relates to novel Isolation method of Koenimbine from Murraya koenigii extract by flash chromatography. It also provide novel characterization method for the identification of active principles extracted from the plant Murraya koenigii

No. of Pages : 27 No. of Claims : 3

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221032003 A

(19) INDIA

(22) Date of filing of Application :03/06/2022

(43) Publication Date : 24/06/2022

(54) Title of the invention : TABLET-IN-TABLET-IN-TABLET PULSATILE DRUG DELIVERY SYSTEM FOR PROSTATE CANCER OF BICALUTAMIDE, CURCUMIN AND KOENIMBINE

(51) International classification :A61K0031120000, A61K0009510000, C07C0317460000, A61K0031277000, A61K0031140000

(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)Dhanaji S. Suryavanshi
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----

2)Dr. Shilpa P. Chaudhari

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dhanaji S. Suryavanshi
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----

2)Dr. Shilpa P. Chaudhari
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 -----

(57) Abstract :

The present disclosure relates to an evaluation of novel type of recognitive Tablet-in-tablet-in-tablet of Bicalutamide, Koenimbine and Curcumin for their Pharmacological benefits. In particular, the present disclosure evaluates the effect of novel Tablet-in-tablet-in-tablet of Bicalutamide, Koenimbine and Curcumin in the treatment of prostate cancer by using Different model. In second part, the comparative study between marketed formulation and Tablet-in-tablet-in-tablet of Bicalutamide, Koenimbine and Curcumin done.

No. of Pages : 20 No. of Claims : 3

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221023986 A

(19) INDIA

(22) Date of filing of Application :23/04/2022

(43) Publication Date : 03/06/2022

(54) Title of the invention : "HUGONIA MYSTAX EXTRACT ACT AS ANTIULCER AND ANTIOXIDANT"

(51) International classification :A01K0067027000, C07D0401120000, A61K0008420000, A61K0038000000, G06Q0010000000

(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. Devendra S. Shirole
Address of Applicant :Dr. D. Y. Patil College of Pharmacy,Akurdi, Pune - 411044 -----

2)Dr. N. S. Vyawahare
3)Dr. Ashish Vilas Kulkarni
4)Dr. Brijendra Brajmohan Jain

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Devendra S. Shirole
Address of Applicant :Dr. D. Y. Patil College of Pharmacy,Akurdi, Pune - 411044 -----

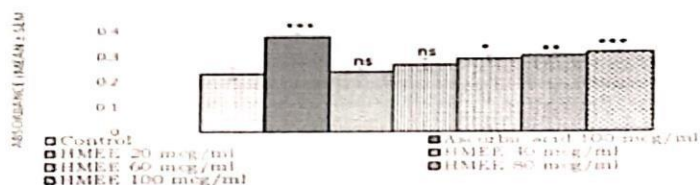
2)Dr. N. S. Vyawahare
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune- 411044 -----

3)Dr. Ashish Vilas Kulkarni
Address of Applicant :Dr D Y Patil College of Pharmacy Akurdi Pune- 411044 -----

4)Dr. Brijendra Brajmohan Jain
Address of Applicant :IVMs Indrayani institute of Pharmaceutical Education and Research, Talegaon Dabhade, Tal Maval, Dist Pune. -----

(57) Abstract :

The goal of the study is to see if an ethanol extract of Hugoniamystax leaves having anti-ulcer properties. The rat model of acetic acid-induced ulceration is chosen because it is the most appropriate model for evaluating the effect of possible medications or extracts on the healing process of chronic peptic ulcers, as well as for screening for antisecretory and cytoprotective activities. In comparison to the acetic acid-treated rats, administration of the extracts Hugoniamystax and omeprazole (30 mg/kg) resulted in a considerable restoration of reduced GSH levels, suggesting its efficiency in avoiding oxidative stress-induced damage.



5 Fig 1: - Reducing power activity of HUGONIA MYSTAX

No. of Pages : 21 No. of Claims : 5

[Back to summary](#)

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 34/2021 Dated 20/08/2021

36662

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/04/2021

(21) Application No.202121019801 A
(43) Publication Date : 20/08/2021

(54) Title of the invention : HERBAL CREAM FOR SKIN BEAUTIFYING.

(51) International classification	:A61K0008290000, B82Y0005000000, A61K0036484000, A61Q0019080000, A23L0033105000	(71)Name of Applicant : 1)Smita Shete Address of Applicant :Dr. D. Y. Patil College of Pharmacy, D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044 Maharashtra India 2)Mukesh Mohite 3)Revan Karodi 4)Dr. Niraj Sudhakar Vyawahare
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Smita Shete 2)Mukesh Mohite 3)Revan Karodi 4)Dr. Niraj Sudhakar Vyawahare
(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	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Disclosed are topical compositions which provide good coverage of skin imperfections, while retaining a natural skin appearance. topical compositions for improving the appearance or other condition of skin. The composition comprising extract of roots of Glycyrrhiza glabra and Solanum tuberosum juice.

No. of Pages : 15 No. of Claims : 3

[Back to summary](#)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 101 070

Bezeichnung:

Nephroprotectant für akute Nierenverletzung

IPC:

A61K 36/28

Inhaber/Inhaberin:

Dash, Pragyandip Parthasarathi, Dr., Lucknow, UP, IN
Dwivedi, Deepti, Ayodhya, UP, IN
Farooqui, Alvina, Dr., Lucknow, UP, IN
Islam, Anas, Lucknow, UP, IN
Mishra, Anuradha, Dr., Lucknow, UP, IN
Saraswat, Nikita, Dr., Pune, MH, IN
Siddiqui, Mohd Aftab, Dr., Lucknow, UP, IN
Singh, Satya Prakash, Dr., Ayodhya, UP, IN
Verma, Preeti, Saharanpur, UP, IN

Tag der Anmeldung:

24.02.2022

Tag der Eintragung:

09.03.2022

Die Präsidentin des Deutschen Patent- und Markenamts



Comella Rudloff-Schäffer

München, 09.03.2022



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPM-Register unter www.dpma.de.

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221045928 A

(19) INDIA

(22) Date of filing of Application :11/08/2022

(43) Publication Date : 26/08/2022

(54) Title of the invention : INTRANASAL MICROEMULSION FOR DEPRESSION

(51) International classification :A61K0009000000, A61K0047260000, A61K0009200000, A61K0047360000, A61K0047690000

(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. Pallavi M. Chaudhari
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune -411044, India Pune -----

2)Mr. Rupesh B. Borse

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Pallavi M. Chaudhari
Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune -411044, India Pune -----

2)Mr. Rupesh B. Borse

Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune -411044 Pune -----

(57) Abstract :

The present invention relates to intranasal microemulsion drug delivery system comprising Sertraline Hydrochloride and other pharmaceutical acceptable excipients. Further invention relates to other pharmaceutical acceptable excipients are selected from group consisting of Oils, Surfactants and Cosurfactants.

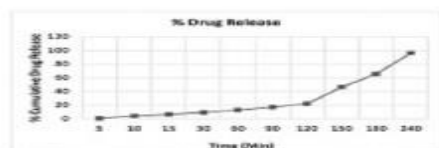


Fig. 1: In-Vitro Drug Release of 10 Sertraline Hydrochloride microemulsion
Date: 04/08/2022

No. of Pages : 23 No. of Claims : 3

[Back to summary](#)

FORM 5
THE PATENTS ACT, 1970
(39 of 1970)
&
The Patents Rules, 2003
DECLARATION AS TO INVENTORSHIP
[See section 10(6) and rule 13(6)]

1. NAME OF APPLICANTS

We,

Name of Applicants	Address	Country
Dr Revan Karodi	Dr. D. Y. Patil College of Pharmacy, Sector No 29, Nigdi- Pradhikaran, Akurdi, Pune, Maharashtra – 411044. (India)	India
Dr. Kiran S. Bhise	MCE Society's Allana College of Pharmacy, Azam Campus, Camp, Pune, Maharashtra- 411001. (India)	India

hereby declare that the true and first inventor(s) of the invention disclosed in the

Complete specification filed for our invention related "POLYHERBAL

MICROEMULSION FOR ANTIACNE"

are

2. INVENTORS

Name of inventor	Address	Nationality
Dr Revan Karodi	Dr. D. Y. Patil College of Pharmacy, Sector No 29, Nigdi- Pradhikaran, Akurdi, Pune, Maharashtra – 411044. (India)	Indian
Dr. Kiran S. Bhise	MCE Society's Allana College of Pharmacy, Azam Campus, Camp, Pune, Maharashtra- 411001. (India)	Indian

Dated this 29th day of April, 2022

For Applicants:

(Signed) _____

M. Madanrao
Mahesh Madanrao Jadhav
(IN/PA/2087)

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121050851 A

(19) INDIA

(22) Date of filing of Application :06/11/2021

(43) Publication Date : 12/05/2023

(54) Title of the invention : TOPICAL HERBAL GEL CONTAINING PHYLLANTHUS EMBLICA FRUIT EXTRACT AND CRESSA CRETICA FRUIT EXTRACT

(51) International classification	:A61K0008290000, A61K0036470000, B82Y0005000000, A61Q0019080000, A61Q0019000000	(71)Name of Applicant : 1)Dr. Vaidya Vaibhav Ravindra Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Sector No 29, Nigdi- Pradhikaran, Akurdi, Pune, Maharashtra – 411044. (India) Maharashtra India 2)Rushikesh D. Mendhe
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Vaidya Vaibhav Ravindra 2)Rushikesh D. Mendhe
(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	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are topical compositions which provide good coverage of skin imperfections, while retaining a natural skin appearance. Topical compositions for improving the appearance or other condition of skin. The composition comprising Phyllanthus Emblica fruit extract and Cressa Cretica fruit extract.

No. of Pages : 16 No. of Claims : 3

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121048108 A

(19) INDIA

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

(43) Publication Date : 28/04/2023

(54) Title of the invention : MICROEMULSION GEL PREPARATION FOR PSORIASIS THERAPY

(51) International classification	:A61Q0019000000, A61K0009107000, A61K0008970000, C11D0017000000, A01N0065000000	(71)Name of Applicant : 1)Dr. Vaidya Vaibhav Ravindra Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Sector No 29, Nigdi- Pradhikaran, Akurdi, Pune, Maharashtra – 411044. (India) Maharashtra India 2)Dr. Kiran S. Bhise
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Vaidya Vaibhav Ravindra 2)Dr. Kiran S. Bhise
(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	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to utilization of an extract or of extracts, of lipophilic extracts as well as hydrophilic extracts from the different plants for preparation of Microemulsion gel preparations for the treatment of diseases of skin in particular for treating of dry skin, psoriasis. The present invention also describes method of preparation of microemulsion gel and use for the skin treatment of Psoriasis.

No. of Pages : 20 No. of Claims : 10

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202321027176 A

(19) INDIA

(22) Date of filing of Application :12/04/2023

(43) Publication Date : 12/05/2023

(54) Title of the invention : RIZATRIPTAN BENZOATE LOADED NANOSTRUCTURED LIPID CARRIERS

(51) International classification :A61K 090000, A61K 091270, A61K 092400, A61K 314196, C07D 030600
(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)Mr. Rushabh R. Misal
Address of Applicant :Department of Pharmaceutics, Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune-411044 -----

2)Dr.(Mrs.) Pallavi M. Chaudhari
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Mr. Rushabh R. Misal
Address of Applicant :Department of Pharmaceutics, Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune-411044 -----

2)Dr.(Mrs.) Pallavi M. Chaudhari
Address of Applicant :Department of Pharmaceutics, Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune-411044 -----

(57) Abstract :

In a present invention relates to Rizatriptan Benzoate Loaded Nanostructured Lipid Carriers prepared for the treatment of migraine. The Nanostructured Lipid Carriers (NLCs) are 2nd generation nanoparticles and are prepared by using Modified Solvent diffusion-Ultrasonication Method. The Design-Expert software with Box-Behnken Design used for the optimization of formulation. The excipients used for NLCs preparation are solid lipid (Glyceryl Monostearate), liquid lipid (Olive oil) along with surfactant and co-surfactant (tween 80 & span 80) and ethanol as an organic solvent. Independent variables selected are X1: Concentration of GMS, X2: Concentration of Tween 80 and X3: Sonication time. The optimization batches are prepared and all three responses estimated are Y1: Particle size, Y2: % Entrapment efficiency and Y3: % Drug release. The obtained data analysed for statistical significance through ANOVA and by response surface graphs. the Batch J selected as optimized batch shown particle size 145 nm, % Entrapment Efficiency 82% and % Drug release 79.39 %. The Zeta potential -20.6 mv and PDI 0.324 confirms the stability of NLCs. The DSC and TEM study confirmed the amorphization and molecular solubilization of RB in NLC and spherical shaped NLC observed. The Ex-Vivo permeation study on sheep nasal mucosa confirmed the permeability of drug from nasal mucosa.

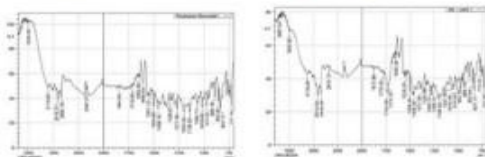


FIGURE 1: FTIR SPECTRUM OF RB AND RB WITH GMS

No. of Pages : 26 No. of Claims : 6

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/09/2022

(21) Application No.202211055444 A
(43) Publication Date : 07/10/2022

(54) Title of the invention : COMPUTATIONAL APPROACHES IN MODIFYING THE INHIBITION OF TOLL LIKE RECEPTOR IN ALZHEIMER'S DISEASE PROGNOSIS USING CLAVICEPS PURPUREA DERIVED BROMINATED COMPOUND, A-ERGROCRYPTINE

(31) International classification: G01N30/00, G16D99/000000, G06F01/000000, A61P03/000000
(36) International Application No: NA
Filing Date: NA
(37) International Publication No: NA
(51) Patent of Addition to Application Number: NA
Filing Date: NA
(52) Related to Application Number: NA
Filing Date: NA

(72) Name of Applicant: 15M: Snehalata V. Anandwar Chaudhari
Address of Applicant: Department of Pharmaceutical Chemistry, P. E. S. Mission College of Pharmacy, Yamunanagar, Vighn, Pune-411044 Pune
25M: Snehalata Das
26M: Rajesh Bhalichuan Navarewa
40M: Saraj Bhalichuan Navarewa
52M: Snehalata Borah
60M: Parth Kulkarni
70M: Vinayk Dhanubhai Rathod
80M: Snehalata Bhalichuan Kulkarniwar
90M: Snehal Arjun Waghmare
102M: Shalini Bhalichuan Borah
Name of Applicant: NA
Address of Applicant: NA
(73) Name of Inventor: 15M: Snehalata V. Anandwar Chaudhari
Address of Applicant: Department of Pharmaceutical Chemistry, P. E. S. Mission College of Pharmacy, Yamunanagar, Vighn, Pune-411044 Pune
25M: Snehalata Das
26M: Rajesh Bhalichuan Navarewa
Address of Applicant: Pharmaceutical Chemistry, College name: School of Pharmacy, Dr. Yashwantrao Kadam MET-Ward Pune University, Solapur, Pune-411008 Maharashtra Pune
40M: Saraj Bhalichuan Navarewa
Address of Applicant: Professor, Department of Pharmaceutical, Home of college: S.R.N.M. College of Pharmacy, Alwar, Chaudanahat, Maharashtra-413501 Chaudanahat
52M: Snehalata Borah
Address of Applicant: Department of Pharmaceutical, College: University of Science and Technology, Maharashtra City Technology, Maharashtra (Dist) Pune: 701301 State: Maharashtra Maharashtra
60M: Parth Kulkarni
Address of Applicant: Associate Professor, Department: Pharmacy, College: University of Science and Technology Maharashtra, Pune: 701301 City: Maharashtra, Maharashtra (Dist) State: Maharashtra Maharashtra
70M: Vinayk Dhanubhai Rathod
Address of Applicant: Assistant Professor, Department: Department of Chemical Technology, Dr. Babasaheb Ambedkar Maharashtra University, Amravati-431004 Amravati
80M: Snehalata Bhalichuan Kulkarniwar
Address of Applicant: Assistant Professor, Organization: Dr. D. Y. Patil College of Pharmacy, Alwar, Pune: 411035 Pune
90M: Snehal Arjun Waghmare
Address of Applicant: Dr. Vishwanath Vikhe Patil College of Pharmacy, Akotnagar, Maharashtra Pune: 414001 Akotnagar
102M: Shalini Bhalichuan Borah
Address of Applicant: Department of Pharmaceutical Chemistry, SCEE's India College of Pharmacy, S.No.99/2A, New Pune-Mumbai Highway, Tathavade, Pune, Maharashtra, India Pune: 411033 Pune

(57) Abstract: [57] The ability is disproportionately affected by Alzheimer's disease (AD), a form of dementia. Cognitive decline and memory in Alzheimer's patients deteriorate with time. Recent studies have shown that people with Alzheimer's disease have elevated inflammatory markers, suggesting that inflammation plays a significant role in the onset and progression of the disease. Mitochondrial receptors CD14, CD136, and CD137, and TLRs, may all be able to detect AD oligomers and fibrils. The neurodegenerative process begins when AD binds to either CD14 or TLRs, setting off an inflammatory cascade of downstream molecules. TLRs has been implicated in type 2 diabetes and Alzheimer's disease as of late. Several diabetes-related clinical problems, as well as changes in the body's internal environment and the brain's microenvironment, have been connected to TLRs activation. Clinical trials have demonstrated that TLRs inhibitors not only decrease the likelihood of getting sick but also increase life expectancy. Molecular docking and molecular dynamics modelling were used to assess the effectiveness of individual drugs against the TLRs receptor. Potential primary interactions were anticipated with the help of molecular docking investigations. With a binding efficacy of -9.6 kcal/mol, it was the most promising of the candidates. The interaction pattern between Purhodol and the TLRs receptor was verified by creating a molecular dynamics simulation at a time scale of 50 nanoseconds. By making substantial contact with the active site, Purhodol ensured the receptor's structural integrity was maintained throughout its rapid operation. In light of these findings, further research into Purhodol's potential as a lead drug for TLRs receptors is warranted. Accompanied Drawing [FIG. 1][FIG. 2]

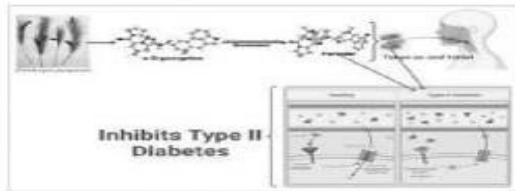


Figure 1: Inhibits Type II Diabetes

No. of Pages : 19 No. of Claims : 8

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2022

(21) Application No.202231060095 A
(43) Publication Date : 04/11/2022

(54) Title of the invention : Computational approaches in altering the inhibition of Acetylcholinesterase Receptor in Alzheimer's disease treatment using Geranylgeraniol

(51) International classification : A61P0025280000, G16C0020500000, G16C0010000000,
G16B0005000000, G16B0015300000
(85) 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. Arabinda Ghosh
Address of Applicant :Assistant Professor Microbiology Division, Department of Botany, Gauhati University, Gowahati, Pin: 781014 Assam India
2) Dr. Athanasios Alexiou
3) Mr. Nobendu Mukherjee
4) Mr. Somdatta Yashwant Chaudhari
5) Mr. Devesh Sharma
6) Vivek Digamber Rathod
7) Mr. Sandip Shrikishan Kulkarnagar
8) Javed Ahmad Rais Ahmad Shaikh
9) Ms. Prapti Victoria Rozario
10) Mr. Bikram Dhara
Name of Applicant : NA
Address of Applicant : NA
(72) Name of Inventor :
1) Dr. Arabinda Ghosh
Address of Applicant :Assistant Professor Microbiology Division, Department of Botany, Gauhati University, Gowahati, Pin: 781014 Assam India
2) Dr. Athanasios Alexiou
Address of Applicant :Assistant Professor Department of Science and Engineering, Novel Global Community Educational Foundation, Australia
3) Mr. Nobendu Mukherjee
Address of Applicant :Student Department of Microbiology, West Bengal State University, Kolkata 700126 West Bengal India
4) Mr. Somdatta Yashwant Chaudhari
Address of Applicant :Assistant Professor Department of Pharmaceutical Chemistry, P. E. S. Modern College of Pharmacy, Yessavanagar, Nigdi, Pin: 411044 Pune India
5) Mr. Devesh Sharma
Address of Applicant :PhD Scholar Department of Biochemistry ICMR - National JALMA Institute for Leprosy & Other Mycobacterial Diseases, Agri (UP) Pin: 282001 Uttar Pradesh India
6) Vivek Digamber Rathod
Address of Applicant :Assistant Professor Department of Chemical Technology, Dr Babasaheb Ambedkar Marathwada University Aunanghad Pin: 431004 Maharashtra India
7) Mr. Sandip Shrikishan Kulkarnagar
Address of Applicant :Assistant Professor Department of Pharmaceutical Chemistry, Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune, Pin: 411044 Maharashtra India
8) Javed Ahmad Rais Ahmad Shaikh
Address of Applicant :Assistant Professor Dept of Pharmacology Shastry Institute of Pharmacy, C/O- Dr. Firoz Shaikh, House no -2229, Sayyed Wada, At/Po-Emadoli, Dist- Raigad, Pin: 425109 Maharashtra India
9) Ms. Prapti Victoria Rozario
Address of Applicant :Intern Department of Microbiology, St. Xavier's College (Autonomous), Kolkata Pin: 700016 West Bengal India
10) Mr. Bikram Dhara
Address of Applicant :Senior Research Fellow Department of Microbiology St. Xavier's College (Autonomous), Kolkata Pin: 700016 West Bengal India

(57) Abstract
Computational approaches in altering the inhibition of Acetylcholinesterase Receptor in Alzheimer's disease treatment using Geranylgeraniol Abstract Acetylcholinesterase (AChE) inhibitors have recently become the standard way to treat Alzheimer's disease (AD). By increasing synaptic concentrations of acetylcholine and decreasing acetylcholine turnover, these drugs counteract the effects of the loss of cholinergic neurons. On the other hand, AD has only been linked to AChE in the past few years. In particular, it looks like AChE may have a direct effect on amyloid-beta, causing more of this peptide to build up into hard plaques. This new function makes it more likely that AChE inhibitors, if made carefully, could be used to cure diseases instead of just making people feel better. Several studies have also shown that the cholinergic modulation and other functional effects of AChE inhibition may affect how amyloid precursor protein is processed and protect neurons from different stressors. So, it makes sense that new AChE inhibitors that take advantage of all of these benefits could be useful in the future to treat AD. Molecular docking and molecular dynamics modelling were used to examine the effectiveness of the drugs against AChE receptor. Geranylgeraniol's primary interactions were anticipated with the help of molecular docking investigations. With a binding affinity of -9.7 kcal/mol, it was the most promising of the candidates. By making substantial contact with the active site, Geranylgeraniol ensured the complex's structural integrity was maintained throughout its rapid expansion. In light of these findings, further research into Geranylgeraniol's potential as a lead drug for AChE receptors is warranted.

No. of Pages : 11 No. of Claims : 10

[Back to summary](#)

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/04/2023

(21) Application No.202321027186 A
(43) Publication Date : 12/05/2023

(54) Title of the invention : HERBAL FORMULATION OF PHYLLANTHUS EMBLICA AND PIPER BETEL FOR TREATMENT OF PEPTIC ULCER

(51) International classification :A61K 364700, A61K 366700, A61K 368890, A61P 010400, A61P 350200
(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. Vaibhav Ravindra Vaidya
Address of Applicant :Dr. D. Y. Patil, College of Pharmacy, Akurdi, Pune-411044, Maharashtra, India -----
2)Dr. Ashish Kulkarni
3)Ms. Dnyanada Vilas Vaidya
4)Ms. Samrudhhi Patil
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Vaibhav Ravindra Vaidya
Address of Applicant :Dr. D. Y. Patil, College of Pharmacy, Akurdi, Pune-411044, Maharashtra, India -----
2)Dr. Ashish Kulkarni
Address of Applicant :Dr. D. Y. Patil, College of Pharmacy, Akurdi, Pune-411044, Maharashtra, India -----
3)Ms. Dnyanada Vilas Vaidya
Address of Applicant :Dr. D. Y. Patil, College of Pharmacy, Akurdi, Pune-411044, Maharashtra, India -----
4)Ms. Samrudhhi Patil
Address of Applicant :Dr. D. Y. Patil, College of Pharmacy, Akurdi, Pune-411044, Maharashtra, India -----

(57) Abstract :

The present invention is related to the herbal formulation of phyllanthus emblica (amla) and piper betel (betel leaf) in the presence of polymer for the treatment of peptic ulcer and preparation method thereof. The present invention further discloses the said herbal formulation containing fruit extract of phyllanthus emblica (amla) and leaf extract of piper betel (betel leaf). The said herbal formulation has prolonged action with no side-effects



Fig.1 Herbal Syrup Formulation

No. of Pages : 26 No. of Claims : 6

FORM 5
THE PATENTS ACT, 1970
(39 of 1970)
&
The Patents Rules, 2003
DECLARATION AS TO INVENTORSHIP
[See section 10(6) and rule 13(6)]

1. NAME OF APPLICANTS

We,

Name of Applicant	Address	Country
Dr. Revan Karodi	Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector-29 Pradhikaran, Akurdi, Pune-411044	India
Miss. Prachi Kulkarni	Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector-29 Pradhikaran, Akurdi, Pune-411044	India

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed for our invention related "**POLYHERBAL MICRO SPONGES BASED TOPICAL DELIVERY SYSTEM**" are,


2. INVENTORS

Name of inventor	Address	Nationality
Dr. Revan Karodi	Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector-29 Pradhikaran, Akurdi, Pune-411044	Indian
Miss. Prachi Kulkarni	Dr. D. Y. Patil College of Pharmacy, Dr. D. Y. Patil Educational Complex, Sector-29 Pradhikaran, Akurdi, Pune-411044	Indian

Dated this 12th day of November 2022

For Applicants:

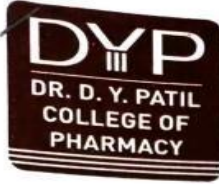
(Signed)



Mahesh Madanrao Jadhav
(IN/PA/2087)

[Back to summary](#)

MOU with Scitesla Private Limited, Mumbai



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYP COP/095A/2021
Date : 06/12/2021

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE
ON THIS 06th DAY OF DECEMBER IN THE YEAR 2021

BETWEEN

SCITESLA PRIVATE LIMITED

Company Registered under Companies Act 2013 (18 of 2013)

Having its registered office at :

PAP-A-168, TTC MIDC, MAHPAE, NAVI MUMBAI 400710

Through its Director

Mr. Kiran Dere

AGE: 42 YEARS, OCC: Business,

(which term unless the context otherwise requires shall include its
representative, successors or assignees of first party)

PARTY OF THE FIRST PART

AND

Dr. D. Y. Patil Pratishthan's

Dr. D. Y. Patil College of Pharmacy,

Akurdi, Pune, Maharashtra, Pin. 411044

Through its Principal

Dr. N. S. Vyawahare

AGE: -- 45 YEARS, OCC: SERVICE,

(which term unless the context otherwise requires shall include its
representative successors or assignees of second party).

... PARTY OF THE SECOND PART

SCITESLA PRIVATE LIMITED

AP-A-168, TTC MIDC MAHAPAE,

NAVI MUMBAI-400710. (INDIA)



1/5



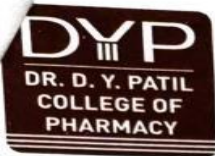
PRINCIPAL

Dr. D. Y. Patil Pratishthan's

Dr. D. Y. Patil College of Pharmacy,

Akurdi, Pune - 411044

[Back to summary](#)



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

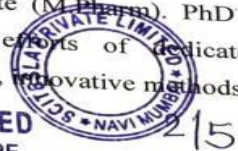
PREAMBLE:

a) **SCITESLA PRIVATE LIMITED**, PAP-A-168, TTC MIDC, Mahape, Navi Mumbai 400710. SCITESLA PRIVATE LIMITED is a Contract Research Organization established in the year 2021 to provide wide ranges of preclinical services, mainly toxicity studies as per OECD, custom preclinical pharmacology, invitro cell lines assays, bioanalytical, microbiological, chemistry etc. SCITESLA PRIVATE LIMITED having experienced toxicologist, veterinarian pathologist, pharmacologists and other supporting team for executing the contract research work. SCITESLA PRIVATE LIMITED follows good laboratory practices (GLP), WHO and ISO guidelines. SCITESLA PRIVATE LIMITED offers services to various industries including pharmaceuticals, agrochemicals, cosmetics, herbal, chemical and dye, government research institutes, R & D start-ups, researchers, academicians and research scholars.

b) **Dr. D.Y.Patil College of Pharmacy, Akurdi, Pune – 411 044.**

It is a premium Pharmacy institute imparting quality education in sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is recognized by the Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE), New Delhi. It offers Diploma (D.Pharm), Undergraduate (B.Pharm), Postgraduate (M.Pharm), PhD and Pharm D. programmes. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure

SCITESLA PRIVATE LIMITED
PAP-A-168, TTC MIDC MAHAPE,
NAVI MUMBAI-400710. (INDIA)

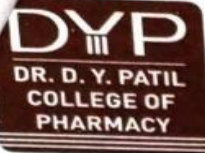


[Signature]

PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Akurdi, Pune-411 044

Regd. Office : 2126E, "Ajinkya", Tarabal Park, Kolhapur - 416 003, Tel. No. : 0231-265288/89/90 Fax No. : 0231-2653426

[Back to summary](#)



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India

GOALS AND OBJECTIVES:

Where the **FIRST PARTY** is engaged in quality Preclinical Toxicological, Pharmacological, Microbiological, invitro-cell lines assays, bioanalytical and custom research and developmental services to our clients.

Whereas the **SECOND PARTY** is engaged in Academic Teaching and Research in Pharmaceutical Sciences.

The **FIRST PARTY** and **SECOND PARTY** have agreed to take up joint projects in the areas of mutual interest such as *in-vitro* studies & preclinical trails along with training to the students of **SECOND PARTY**.

Now this deed of MOU is agreed by and between the parties under following terms and conditions.

TERMS AND CONDITIONS:

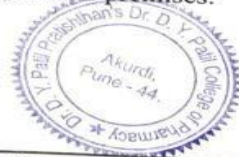
1. **BOTH PARTIES** will share faculty expertise and instrumental facilities to each other as per mutual understanding.
2. The **SECOND PARTY** will provide laboratories and library facilities to **FIRST PARTY** by mutual understanding.
3. Both the parties have mutually agreed upon the usage of required instruments devoid of any charges and by following the norms, terms and conditions led herein, at their premises.



SCITESLA PRIVATE LIMITED
AP-A-168, TTC MIDC MAHAPE,

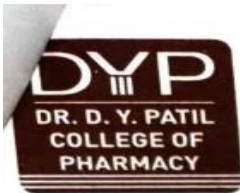
Regd. Office: B-10, MIDC, (INDIA) Tarabal Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89/90 Fax No. : 0231-2653426

3/5



PRINCIPAL
Dr. N. S. Vyawahare

[Back to summary](#)



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

4. The workshop on preclinical studies and training to the interested students and employee of the **SECOND PARTY** shall be conducted by **FIRST PARTY** at the premises of both the parties as per the schedule mutually agreed upon.
5. The visit of interested students of the **SECOND PARTY** to premises of the **FIRST PARTY** shall be taken up as per the schedule mutually agreed upon.
6. Both the parties shall initiate and exchange research facilities and other relevant things required to carry out research projects. The research project interchange and finalization will be done as per mutual understanding of **BOTH PARTIES**.
7. **BOTH PARTIES** may apply for joint research projects to the concerned research organizations. The work load, expenses & profit share in such instances shall be decided upon mutually in writing by both the parties.
8. If the results of the joint projects are liable to attract commercial benefits, then the financial profits shall be shared between the two parties as per the mutually agreed arrangements which shall be made in writing by both the parties.
9. Either Party may terminate this Memorandum of Understanding at any time with at least 30 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will



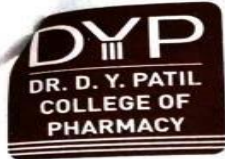
SCITESLA PRIVATE LIMITED
PAP-A-168, TTC MIDC MAHAPE,

Regd. Office: 2129E, "Ankya Park", Taranga Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89190 Fax No. : 0231-2653426
NAVI MUMBAI-400710. (INDIA)



4/5
Principal
Dr. D. Y. Patil Pratishthan's
Akurdi, Pune-411 044

[Back to summary](#)



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder


Shri. Satej D. Patil
Vce-President & Chairman


Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

- not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.
10. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means. And for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.
11. This MOU shall take effect from the date of its signing by **BOTH PARTIES** and shall be valid for the period of 5 (Five) years from the date on which it came into force.

Hence this Memorandum of Understanding executed and signed today at Pune on this 06th day of month December of the year 2021.

A) 
Mr. K. B. Dere
Founder Director,
SCITESLA PRIVATE
LIMITED,
PAP-A-168, TTC MIDC,
NAVI MUMBAI 400710
(First Party)

B) 
Dr. N.S. Vyawahare.
Principal ,
Dr. D. Y. Patil College of
Pharmacy,
Akurdi, Pune – 411 044.
(Second Party)



Witnesses:

1. Mr. Aksahy Naghise



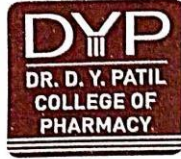
2. Dr. D. S. Shirode


SCITESLA PRIVATE LIMITED
PAP-A-168, TTC MIDC MAHAPE,

5/5


PRINCIPAL
Dr. D. Y. Patil Pratishthan's

Summary of Activities conducted with Scitesla Private Limited, Mumbai



Dr. Sanjay D. Patil
President

Dr. N. S. Vyawahare
Principal

Dr. D. Y. Patil Pratishthan's

Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune


Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

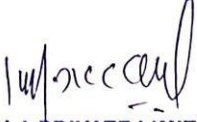
Ref. No. : DYPCOP/
Date :

Activities conducted with Scitesla Private Limited, Mumbai

S. No.	Activities	Details	Date
1	Exchange of Lab Facility	Biochemical investigation of CRP and TNF	06/01/2022
2	Exchange of Lab Facility	Biochemical investigation of IL and NF	12/03/2022


PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune-411 044.




SCITESLA PRIVATE LIMITED
PAP-A-168, TTC MIDC MAHAPE,
NAVI MUMBAI-400710. (INDIA)



Regd. Office : 2126E, "Ajinkyatara", Tarabal Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89/90 Fax No. : 0231-2653426

[Back to summary](#)



06th January, 2022

To,
Ms Gayatri Patil
Research Scholar
Department of Pharmacology
Dr D Y Patil Institutes of Pharmacy,
Akurdi, Pune

Measurement of CRP, and TNF- α by ELISA

1. Highly sensitive C-Reactive Protein

Sr No	Compound Code	Observed Absorbance (at 450 nm)	Corrected absorbance	Concentration (ng/ml)
1.	1	0.106	0.094	0.322
2.	2	0.326	0.314	1.516
3.	3	0.175	0.163	0.697
4.	4	0.117	0.105	0.382
5.	5	0.118	0.106	0.387
6.	6	0.215	0.012	-0.123
7.	7	0.158	0.146	0.604
8.	8	0.085	0.073	0.208
9.	9	0.141	0.129	0.512

A handwritten signature in blue ink is written over a circular purple stamp. The stamp contains the text "SCITELA PRIVATE LIMITED" around the perimeter and "PUNE" in the center.

Exchange of Lab Facility by Scitela

[Back to summary](#)



12th March, 2022

To,
Ms Aishwarya Patil
Research Scholar
Department of Pharmacology
Dr D Y Patil Institutes of Pharmacy,
Akurdi, Pune

Measurement of IL-6 and NF-kB by ELISA

1. For IL-6

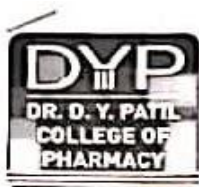
Sr No	Compound Code	Observed Absorbance (at 450 nm)	Corrected absorbance (at 450 nm)	Concentration (pg/ml)
1.	<u>1</u>	0.132	-0.03	369.71
2.	<u>2</u>	0.289	0.127	1320.95
3.	<u>3</u>	0.176	0.014	636.30
4.	<u>4</u>	0.126	-0.036	333.36
5.	<u>5</u>	0.163	0.001	557.54
6.	<u>6</u>	0.123	-0.039	315.18
7.	<u>7</u>	0.143	-0.019	436.36
8.	<u>8</u>	0.102	-0.06	187.95
9.	<u>9</u>	0.132	-0.03	369.71

A handwritten signature in blue ink is positioned to the left of a circular purple stamp. The stamp contains the text "SCITESLA PRIVATE LIMITED" around the perimeter and "AKURDI, PUNE" at the bottom.

Exchange of Lab Facility by Scitesla

[Back to summary](#)

MOU with Crystal Biological Solutions



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/092(0)/2021
Date : 06/12/2021

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE
ON THIS 6th DAY OF DECEMBER IN THE YEAR 2021

BETWEEN

CRYSTAL- BIOLOGICAL SOLUTIONS,
D Global building, Sr. no. 3II/5, Plot No. 60,61,
Sai Park Lane-S, Shewalwadi Road, Uruli Devachi,
Pune-412308, Maharashtra, India.
(which term unless the context otherwise requires shall include its
representative successors or assignees of second party)
PARTY OF THE FIRST PART

AND

Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune, Maharashtra, Pin. 411044
Through its Principal
Dr.N. S. Vyawahare
(which term unless the context otherwise requires shall include its
representative successors or assignees of second party).
... PARTY OF THE SECOND PART



PREAMBLE:

a) CRYSTAL BIOLOGICAL SOLUTIONS,

one of the leading Preclinical Contract Research Organization and is provide Toxicology Testing and Preclinical Research Services as per Regulatory Guidelines ISO 10993, OECD, FDA, ASTM, USP. Crystal Biological Solutions have a hygienically well maintained breeding facility through which we supply quality laboratory animals like Rat, Mice, Rabbit, Guinea Pig and Hamsters.

b) Dr. D.Y.Patil College of Pharmacy, Akurdi, Pune – 411 044.

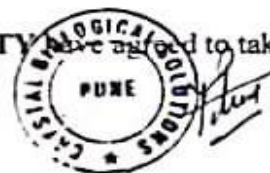
It is a premium Pharmacy institute imparting quality education in sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is recognized by the Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE), New Delhi. It offers Diploma (D.Pharm), Undergraduate (B.Pharm), Postgraduate (M.Pharm). PhD and Pharm D. programmes. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India

GOALS AND OBJECTIVES:

Where the **FIRST PARTY** is engaged in quality Preclinical and Analytical services and research and development work with well- equipped laboratory to meet requirement of academics basic science students, UG, PG and Ph.D. Students and medical professionals.

Whereas the **SECOND PARTY** is engaged in Academic Teaching and Research in Pharmaceutical Sciences.

The **FIRST PARTY** and **SECOND PARTY** have agreed to take up joint



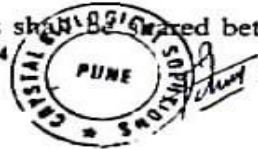
projects in the areas of mutual interest such as *in-vitro* studies & preclinical trails along with training to the students of **SECOND PARTY**.

Now this deed of MOU is agreed by and between the parties under following terms and conditions.

TERMS AND CONDITIONS:

1. **BOTH PARTIES** will share faculty expertise and instrumental facilities to each other as per mutual understanding.
2. The **SECOND PARTY** will provide laboratories and library facilities to **FIRST PARTY** by mutual understanding.
3. Both the parties have mutually agreed upon the usage of required instruments devoid of any charges and by following the norms, terms and conditions led herein, at their premises.
4. The workshop on preclinical studies and training to the interested students and employee of the **SECOND PARTY** shall be conducted by **FIRST PARTY** at the premises of both the parties as per the schedule mutually agreed upon.
5. The visit of interested students of the **SECOND PARTY** to premises of the **FIRST PARTY** shall be taken up as per the schedule mutually agreed upon.
6. Both the parties shall initiate and exchange research facilities and other relevant things required to carry out research projects. The research project interchange and finalization will be done as per mutual understanding of **BOTH PARTIES**.
7. **BOTH PARTIES** may apply for joint research projects to the concerned research organizations. The work load, expenses & profit share in such instances shall be decided upon mutually in writing by both the parties.
8. If the results of the joint projects are liable to attract commercial benefits, then the financial profits shall be shared between the two

Page 3 of 4



[Back to summary](#)

parties as per the mutually agreed arrangements which shall be made in writing by both the parties.

9. Either Party may terminate this Memorandum of Understanding at any time with at least 30 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.
10. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means. And for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.
11. This MOU shall take effect from the date of its signing by **BOTH PARTIES** and shall be valid for the period of 05 (Five) years from the date on which it came into force.

Hence this Memorandum of Understanding executed and signed
today at Pune on this 6th day of month December of the year 2021.



A) **Dr. Yogesh P. Talekar**
Technical Director
Crystal Biological Solutions,
Uruli Devachi,
Pune 412308
(First Party)

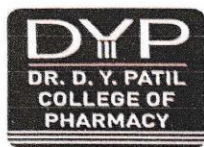


B) **Dr. N.S. Vyawahare.**
Principal,
Dr. D. Y. Patil College of
Pharmacy,
Akurdi, Pune - 411 044.
(Second Party)

Witnesses: 1. Mr. Nitin M. More

2. Dr. D. S. Shirode,

Activities with Crystal Biological Solutions



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder


Shri. Satej D. Patil
Vco-President & Chairman

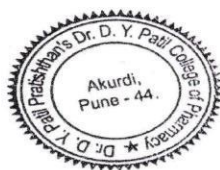
Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/
Date :

Activities with Crystal Biological Solutions, Pune

S. No.	Activities	Details	Date
1	Performed Cell Line Study	In vitro Human Prostate Cancer Cell Line study	17/11/2021


PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune-411 044.



Regd. Office : 2126E, "Ajinkyatara", Tarabal Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89/90 Fax No. : 0231-2653426

 Scanned with OKEN Scanner

[Back to summary](#)

REPORT NUMBER: CRY/2021/045



CERTIFICATE

This is to certify that **Study number CRY/ 2021/ 045 "Evaluation of Anticancer Activity of herbal formulations in Human Prostate Cancer Cell line PC-3: *In Vitro* Study"** was carried out according to references provided by Research scholar and Crystal Biological Solutions, Pune. **Koenimbin** and **curcumin** showed highest cytotoxic activity on human prostate cancer cell line at all the concentrations from **500 to 25 µg/ well** under given laboratory conditions. IC_{50} observed at the Concentration of **236.70 and 103.09 µg/ well** respectively.

Ms. Priya Takawale,

Study Director

Date: 17-November-2021

Certificate of In vitro Anticancer cell line study done by Crystal Biological Solutions

[Back to summary](#)

CPCSEA REGISTRATION NO. 2030/PO/RcBiBt/S/18/CPCSEA

RESEARCH PROJECT

STUDY TITLE

REPORT

**"Evaluation of Anticancer Activity of Herbal formulations
in Human Prostate Cancer Cell line PC-3: *In Vitro* Study."**

TESTING FACILITY:

Crystal Biological Solutions,
D Global Building, Sr. No. 311,
Plot No. 60, 61, Sai Park,
Shewalwadi Road, Uruli Devachi,
Pune 412308

RESEARCH SCHOLAR:

Dhanaji Shankar Suryavanshi
Ph.D Student
Dr. D.Y. Patil College of Pharmacy, Akurdi, Pune
Pune, Maharashtra.
Contact no. 9860695004
E-mail - dhanajipharma@gmail.com

Certificate of In vitro Anticancer cell line study done by Crystal Biological Solutions

[Back to summary](#)

MOU with Kusum Life Sciences

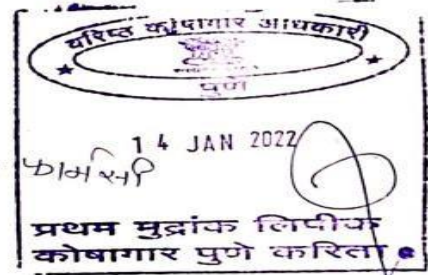


महाराष्ट्र MAHARASHTRA

2021


BH 374478

क्र. १२७१९५
उ.सू.सं. ५००१-
७४०
जो डीवाय पार्लिस कॉलेज ऑफ फार्मसी
कुसुम लाइफ सायंसेस
रेवण करोडी
महाराष्ट्र विकास योजनाची सही
चौ. व्ही. शिंदे
पदावधि क्र. २२०१५४२
दि. १२/०१/२०२२




MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING IS MADE AT PUNE ON THIS 27th DAY OF JANUARY IN THE YEAR 2022


KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist.Hingoli (Maharashtra)

Page 1




Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.

[Back to summary](#)

BETWEEN

Kusum Life Sciences

Company Registered under Companies Act
Having its registered office at :
A-13, MIDC Wasmat, Dist. Hingoli 431512, Maharashtra, India.

Through its Director

Mr. Sachin Kshirsagar

AGE: 42 YEARS, OCC:Business,

RESIDING AT:

(which term unless the context otherwise requires shall include its representative, successors or assignees of first party)

**... PARTY OF THE FIRST
PART**

AND

Dr. D. Y. Patil Pratishthan's

Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune, Maharashtra, Pin. 411044

Through its Principal

Dr.N. S. Vyawahare

AGE: 46 YEARS, OCC: SERVICE,

RESIDING AT:


(which term unless the context otherwise requires shall include its representative successors or assignees of second party).

... PARTY OF THE SECOND PART

PREAMBLE:

- a) **Kusum Life Sciences**, Kusum Life Sciences A-13, MIDC Wasmat, Dist. Hingoli 431512, Maharashtra, India. A Kusum Life science is a Preclinical Contract Research Organization established in the year 2020 to provide quality

Page 2


KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist.Hingoli (Maharashtra)




Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.


[Back to summary](#)

Preclinical, Pharmacology, Analytical and Animal Supply services along with HBEL (Health Based Exposure Limits/PDE/ADE/OEL) Estimation. Kusum life science is having its state of the art test facility led with highly experienced scientific team and has been providing toxicology, pharmacology, pharmacopoeia testing , nutraceutical, food and FMCG companies along with (health based exposure limits) PDE/ADE/OEL Estimation services. A kusum life science is also providing research and development work with well-equipped laboratory to meet requirement of academics m basic science student, Ph.D. Student and medical professionals along with oriented various certificate courses.

b) Dr. D.Y.Patil College of Pharmacy, Akurdi, Pune – 411 044.

It is a premium Pharmacy institute imparting quality education in sector of Pharmaceutical Sciences as well as carrying out research in Pharmaceutical Sciences. It is recognized by the Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE), New Delhi. It offers Diploma (D.Pharm), Undergraduate (B.Pharm), Postgraduate (M.Pharm). PhD and Pharm D. programmes. With the relentless efforts of dedicated and competent faculty, up-dated curriculum, innovative methods of instructions top end infrastructure and sturdy support of management, it has emerged as a center of academic excellence and attracting students from all over India.

Page 3


KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist.Hingoli (Maharashtra)




Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.

[Back to summary](#)

GOALS AND OBJECTIVES:

Where the **FIRST PARTY** is engaged in quality Preclinical, Pharmacological, Analytical and Animal Supply services along with HBEL (Health Based Exposure Limits/PDE/ADE/OEL) and research and development work with well- equipped laboratory to meet requirement of academics in basic science students, Ph.D. Students and medical professionals.

Whereas the **SECOND PARTY** is engaged in Academic Teaching and Research in Pharmaceutical Sciences.


The **FIRST PARTY** and **SECOND PARTY** have agreed to take up joint projects in the areas of mutual interest such as *in-vitro* studies & preclinical trails along with training to the students of **SECOND PARTY**.

Now this deed of MOU is agreed by and between the parties under following terms and conditions.

TERMS AND CONDITIONS:

1. The **FIRST PARTY** shall provide animals (mice, rat etc) for the purpose of research activities to the **SECOND PARTY** at economical rates as and when required.
2. **BOTH PARTIES** will share faculty expertise and instrumental facilities to each other as per mutual understanding.

Page 4


KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist.Hingoli (Maharashtra)





Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.


[Back to summary](#)

3. The **SECOND PARTY** will provide laboratories and library facilities to **FIRST PARTY** by mutual understanding.
4. Both the parties have mutually agreed upon the usage of required instruments devoid of any charges and by following the norms, terms and conditions led herein, at their premises.
5. The workshop on preclinical studies and training to the interested students of the **SECOND PARTY** shall be conducted by **FIRST PARTY** at the premises of both the parties as per the schedule mutually agreed upon.
6. The visit of interested students of the **SECOND PARTY** to premises of the **FIRST PARTY** shall be taken up as per the schedule mutually agreed upon.
7. Both the parties shall initiate and exchange research facilities and other relevant things required to carry out research projects. The research project interchange and finalization will be done as per mutual understanding of **BOTH PARTIES**.
8. **BOTH PARTIES** may apply for joint research projects to the concerned research organizations. The work load, expenses & profit share in such instances shall be decided upon mutually in writing by both the parties.
9. If the results of the joint projects are liable to attract commercial benefits, then the financial profits shall be shared between the two parties as per the mutually agreed arrangements which shall be made in writing by both the parties.

Page 5



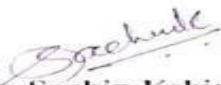

KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist.Hingoli (Maharashtra)



Principal
Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.

[Back to summary](#)

10. Either Party may terminate this Memorandum of Understanding at any time with at least 30 days prior written notice to the other Party. The early termination of this Memorandum of Understanding will not affect the completion of any co-operation measures that were agreed under the annual work programs whilst it was in force.
11. Any dispute arising shall be settled through mutual negotiations only without recourse to resolving the dispute by legal means. And for the purpose of settlement of dispute the jurisdiction shall be within the limits of Pune.
12. This MOU shall take effect from the date of its signing by **BOTH PARTIES** and shall be valid for the period of 5 (Five) years from the date on which it came into force.

Hence this Memorandum of Understanding executed and signed today at Pune on this 27th day of month January of the year **2021.**


A) **Dr. Sachin Kshirsagar**
Director Kusum Life
Sciences
Kusum Life Sciences A-13,
MIDC Wasmat, Dist.
Hingoli 431512,
Maharashtra, India.
(First Party)


B) **Dr. N.S. Vyawahare.**
Principal,
Dr. D. Y. Patil College of
Pharmacy,
Akurdi, Pune - 411 044.
(Second Party)

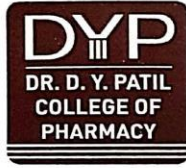
Witnesses: 1. Dr. Mahendra M. Salunke, 2. Dr. D. S. Shirode

Page 6



[Back to summary](#)

Activities conducted with Kusum Life Sciences



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder


Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal


Ref. No. : DYCOP/
Date :

Activities conducted with Kusum Life Sciences, Hingoli, Maharashtra

S. No.	Activities	Details	Date
1	Guest Session Conducted	Mr. A. A. Muchandi, Head, Quality Assurance, Kusum Life Sciences addressed the audience	12/10/2021


PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune-411 044.




KUSUM LIFE SCIENCES
A-13 MIDC, WASMAT
Dist. Hingoli (Maharashtra)

Regd. Office : 2126E, "AjInkyatara", Tarabal Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89/90 Fax No. : 0231-2653426

[Back to summary](#)



**Mr. A. A. Muchandi, Head, Quality Assurance, Kusum Life Sciences
addressed the audience**

[Back to summary](#)

MOU with ASPM's K.T.Patil College of Pharmacy, Osmanabad



महाराष्ट्र MAHARASHTRA

2020

AY 858980

उपस्थित १२५४ दिनांक २४/०४/२०२२
श्री. Dr. Amol Arun Joshi कोषागार कार्यालय
उस्मानाबाद
ए.सी. Dr. D. Y. Patil
ग्रामांत साधारण स्टॅम्प रु. ५००.०० चे परमिळविलेवेल्या
हा स्टॅम्प रु. ५००.०० चाच भारतीय रु.
चा स्टॅम्प दिला.

Dr. Amol Arun Joshi
श्री. निधीस योग्य
मुद्रांक विभाग, उस्मानाबाद
प.अ.३००१६८

कोषागार कार्यालय
उस्मानाबाद
18 APR 2022
मु.प्र.लि/उप.को.अ.
उस्मानाबाद

Memorandum of Understanding for Academic Cooperation Between

ASPM's K. T. Patil College of Pharmacy, Osmanabad through its Principal
Dr. Amol Arun Joshi Age – 36 Years
and
Dr. D. Y. Patil College of Pharmacy, Akurdi – Pune through its Principal
Dr. Neeraj S. Vyawahare Age – 47 Years



ASPM's K T Patil College of Pharmacy, Osmanabad (KTPCOP, Osmanabad) hereafter noted as KTPCOP Osmanabad and Dr. D Y Patil College of Pharmacy, Akurdi - Pune (DYPCOP, Akurdi - Pune) hereafter noted as DYPCOP, Akurdi recognize their strengths in research and education in Science & Technology specially Pharmacy and their mutual interest in engaging themselves in academic cooperation.

S. S. BAGAL
Advocate & Notary
Osmanabad - 413501
26 APR 2022

Dr. Amol Arun Joshi

[Back to summary](#)

प्रमाणित / Notarized / Certified / प्रमाणित करवावळ
 प्रमाणित / Notarized / Certified / प्रमाणित करवावळ
 मुद्रांक विकत घेणाऱ्याचे नाव / Stamp purchaser's Name
 : Stamp Purchaser's Name / Name of the purchaser
 मुद्रांक विकत घेण्याची तारीख / Serial No / Date
 : Serial No / Date
 मुद्रांक विकत घेणाऱ्याचे स्वाक्षरी / Stamp Purchaser's Sign / Date
 : Stamp Purchaser's Sign / Date
 दिनांक / Date
 : Date
 प्रमाणित करणारा / प्रमाणित करणारी / प्रमाणित करणारी / प्रमाणित करणारी
 प्रमाणित करणारा / प्रमाणित करणारी / प्रमाणित करणारी / प्रमाणित करणारी
 1501018 मारवाडी मारवाडी, जयपूर

KTCOP
 D.Y.C. COLLEGE
 Akurdi
 413501
 KTCOP

KTCOP, Osmanabad and DYCOP, Akurdi therefore agree to establish a programme for academic cooperation in the area of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

A) Objectives:


The goal is to foster collaboration, providing opportunity for global experience, and to facilitate advancement of knowledge on the basis of mutual benefit and frequent interactions. KTCOP, Osmanabad & DYCOP, Akurdi agree:

- 1) To exchange information on research & educational programmes
- 2) To exchange information on teaching, learning material and other literature relevant to their educational & research programme
- 3) To jointly organize short – term continuing educational programmes on topics of mutual interest and to invite each other's faculty to participate therein.
- 4) To jointly organize seminars, conferences or workshops on topics of mutual interest and to invite each other's faculty to participate therein.
- 5) To jointly propose and engage in research or training programmes sponsored by funding agencies and to invite each other's faculty to participate therein.
- 6) To exchange, on a reciprocal basis, students at under graduate, graduate & doctoral levels for limited periods of time for purpose of education and / or research.

KTCOP, Osmanabad and DYCOP, Akurdi further agree that detailed terms & conditions that guide each activity identified above will be separately determined & agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements and person responsible for its implementation, etc.

B) Joints Sponsored Research, Development and Consulting:

KTCOP, Osmanabad and DYCOP, Akurdi agree to help to identify and invite faculty members from the other institutions to participate in research or development programmes. The terms and conditions for such participation will be worked out by prior mutual discussion between KTCOP, Osmanabad and DYCOP, Akurdi.


S. S. BAGAL
 Advocate & Notary
 Osmanabad - 413501
 26 APR 2022





[Back to summary](#)



C) Exchange of Faculty and Staff:

KTPCOP, Osmanabad and DYPCOP, Akurdi agree to encourage collaboration between faculties from two institutions. Specifically, institutions will encourage members of their faculties to undertake short visit to, or take up fixed-term visiting assignments at, each other's institutions as per the existing norms.

D) Exchange of Scientific & Technical Material:

KTPCOP, Osmanabad and DYPCOP, Akurdi will exchange technical information on research & educational programmes, teaching / learning material and other literature relevant to their educational and research programmes. Further, KTPCOP, Osmanabad and DYPCOP, Akurdi agree to explore ways to share teaching / learning material and other relevant literature, while respecting each other's intellectual property & other rights.

E) Joint Conferences, Workshops & Short Term Courses:

KTPCOP, Osmanabad and DYPCOP, Akurdi agree to help to identify and invite faculty members from the other institution to participate in conferences, workshops and short term courses. The terms and conditions for such participation will be worked out by prior mutual discussion between KTPCOP, Osmanabad and DYPCOP, Akurdi.

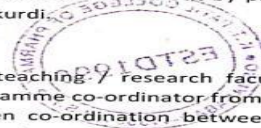
F) Co-ordination:

Each institution shall appoint one member of its teaching / research faculty to co-ordinate programmes on its behalf. Such appointed programme co-ordinator from both sides will periodically review and identify ways to strengthen co-ordination between the two institutions. Details of such co-ordinator shall be informal to both parties such as name, designation / post, mobile number and e-mail ID etc.

G) Tenure and Termination:

This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for five years, and may be continued there after suitable review and agreement. Either institution may terminate the MoU by giving written prior notice to the other institution three months advance. Once terminated, neither KTPCOP, Osmanabad nor DYPCOP, Akurdi will be responsible for any losses, financial or otherwise, which the other institution may suffer. However, KTPCOP, Osmanabad and DYPCOP, Akurdi will ensure that all activities in progress are allowed to complete successfully.

Handwritten signature



Handwritten signature
S. S. BAGAL
Advocate & Notary
Osmanabad - 413501
26 APR 2022


Handwritten signature

[Back to summary](#)

H) Arbitration Clause:

Should there be a dispute relating to any aspect of academic co-operation, competent authority from KTPCOP, Osmanabad and competent authority from DYPCOP, Akurdi will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility. The jurisdiction of the court is Pune.

This MoU is signed subject to approval of respective administrative / academic bodies.


Principal
K.T. Patil College of Pharmacy,
Osmanabad-413501


Principal
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune - 411 044.



BEFORE ME

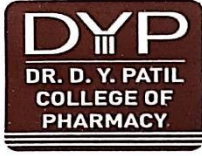
S. S. BAGAL
Advocate & Notary
Osmanabad - 413501
2022



14090 2.8
YADAVI & SONS
PUNE - 411 004

[Back to summary](#)

Activity conducted with ASPM's K. T. Patil College of Pharmacy, Osmanabad



Dr. D. Y. Patil Pratishthan's
Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal


Ref. No. : DYPCOP/
Date :

Activity conducted with ASPM's K. T. Patil College of Pharmacy, Osmanabad

S. No.	Activities	Details	Date
1	Guest Session Conducted	Dr. Shivshankar M. Gunjegaonkar, Associate Professor, conducted a session on conceptualizing research design, and collecting information from target groups	28/09/2021


PRINCIPAL
Dr. D. Y. Patil Pratishthan's
Dr. D. Y. Patil College of Pharmacy,
Akurdi, Pune-411 044.




S. S. BAGAL
Advocate & Notary
Osmanabad - 413501

Regd. Office : 2126E, "Ajinkyatara", Tarabal Park, Kolhapur - 416 003. Tel. No. : 0231-2653288/89/90 Fax No. : 0231-2653426

[Back to summary](#)



Dr. Shivshankar M. Gunjegaonkar, Associate Professor, conducted a session on conceptualizing research design, and collecting information from target groups

[Back to summary](#)