Estd : 1999

HINDU COLLEGE OF PHARMACY

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Summary of Patent

S. No	Academic Year	Published		Granted	
		Indian	International	Indian	International
01	2017-2018	03	--	--	--
02	2018-2019	02	--	--	--
03	2019-2020		--	--	--
04	2020-2021		--	--	01
05	2021-2022		--	--	--
06	2022-2023		--	--	--
07	2023-2024	07	--	02	08
	Total	12	--	02	09

Published: 12 **Granted: 11** **Total: 23**

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S. No	Department	Faculty Name	Patent (Published/ Granted
01	Pharmaceutics	Dr. P. Dineshkumar Dr. Rajesh Akki Dr. V. Vasu Naik Mrs. M Sri Rekha	06
02	Pharmaceutical Chemistry	Dr. Govindarajan. R Dr.Konda Ravi Kumar Dr. S. Udhyavani Mrs. V. Jhansi Rani	05
03	Pharmaceutical Analysis	Dr. Achanti Suneetha Dr P. Nagaraju Dr. Raj Kumar Kudari	09
04	Pharmacology	Dr.Desu Brahma SrinivasaRao	06

Estd : 1999

HINDU COLLEGE OF PHARMACY

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S. No	Application No.	Current Status	Inventor/s	Title of the Patents	Date of filing	Patent Published Date/ Granted Date	Academic Year
1.	201741033739 A	**Published**	**Name of Applicant :** 1)DR. MANISH KUMAR THIMMARAJU Address of Applicant :# 2-7-974, Kanakadurga Colony, Hanamkonda, Warangal-506370, Telangana, India. Telangana India 2)KHAGGESWAR BHEEMANAPALLY **Name of Inventor :** 1)DR. Manish Kumar Thimmaraju 2)Khaggeswar Bheemanapally 3)Mr.Rajkumar Gaju 4)Mr.Ch.Hari Prasad Murthy 5)Mr.Siddartha Kumar Palleti 6)Dr.K.S.Nataraj 7)**Dr.Konda Ravi Kumar**	Thermo sensitive or Thermo reversible hydrogel formulation for sustained antimicrobial action.	22/09/2017	29/09/2017	2017-2018
2.	201741026146 A	**Published**	**Name of Applicant :** 1)Theivendren Panneerselvam Address of Applicant :23/57 Pillayar Koil Street, Kuppinayakan Patti, Bodinayakanur-625 513	3-(1-(1h-Benzo[D]Imidazol-2-Yl)-2-(Substituted Phenyl)Vinylimino)Indolin-2-one Compounds	24/07/2017	26/01/2018	2017-2018

			Theni District, Tamilnadu, India Tamil Nadu India **Name of Inventor :** 1)Dr.Theivendren Panneerselvam 2)Dr. Kunjiappan Selvaraj 3)Dr. Raja Sundararajan 4)Mr.Sivakumar Vellaichamy 5)Mr.Velayuthem Rajamanickam 6)**Mr.Pandurangan Dineshkumar**				
3	201741027219 A	**Published**	**Name of Applicant :** **1)Dr.Theivendren Panneerselvam** Address of Applicant :23/57 Pillayar Koil Street, Kuppinayakan Patti, Bodinayakanur-625 513 Theni District, Tamilnadu, India Tamil Nadu India **Name of Inventor :** 1)Dr.Theivendren Panneerselvam 2)Dr.Govindaraj Saravanan 3)Dr.Veerasamy Alagarsamy **4)Mr.Pandurangan Dineshkumar** 5)Dr.Jesupillai Muthuchellam	3-(4-(2-Amino-6-(Substituted Phenyl)-5,6dihydro-4h-1,3 Thiazin-4-Yl)Phenylimino)-1-((Dimethyl Amino)Methyl)Indolin-2-ones	01/08/2017	09/02/2018	2017-2018
4.	201841041804 A	**Published**	**Name of Applicant :** 1)Dr. Govindarajan. R Address of Applicant : Hindu College of Pharmacy, Amaravathi road, Guntur, Andhra Pradesh-522002. Andhra Pradesh India **Name of Inventor :** **1)Dr. Govindarajan. R** **2)Dr. S. Udhyavani** 3)Dr. N. Balakrishnan 4)Mr. Juluri Krishna Dutta Tejaswi 5)Ms. Rajeesha surapaneni	Synthesis of Pyrimidine-5-Carboxylate Derivatives	05/11/2018	08/05/2020	2018-2019

5.	201841024226 A	**Published**	**Name of Applicant** 1)THEIVENDREN PANNEERSELVAM Address of Applicant :23/57 Pillayar Koil Street, Kuppinayakan Patti, Bodinayakanur Theni District, Tamilnadu, India Tamil Nadu India (72) **Name of Inventor :** 1)T. PANNEERSELVAM **2)P. DINESHKUMAR** 3)MUNAGALA GAYATRI RAMYA **4)RAJESH AKKI**	Synthesis of 7- Bromo-2 sub benzylidine -3,4- di hydro naphthalene 1 (2H) one	29/06/2018	03/01/2020	2018-2019
6.	**International** 2020104023 Australian patent	Granted	**Name of Applicant and Inventors** **1. ACHANTI SUNEETHA**; 2. REBECCA FLORANCE DEVARAPALLI; 3. JOSE MOSES GUMMADI; 4.K. BHASKAR REDDY; 5. S. M. SHAHEEDHA; 6. S. BRITO RAJ;7. K.V. SWATHI KRISHNA; 8. S. RAJASEKHAR; 9. Y. DASTAGIRI REDDY; 10. E. TAMIL JOTHI	Machine Learning Based Breast Cancer Detection In Integration With Fuzzy Logic	11-12-2020	10/02/2021 (Eight years from 11th December 2020)	2020-2021
7	National Application No. 202321049479.	Published	Name of Applicant and Inventors Dr. R. Govindrajan Mrs. Nehal C. Gandhi	Synthesis of Novel Coumarin DERIVATIVES as Potential Anticancer Agent.	Date of Filling : 22/07/2023	Publication : Date: 22/09/2023	2023-24
8	National 202311061125 A	Published	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Anti-diabetic and antioxidant curcumin nanoparticles for diabetes mellitus treatment	2023	Published 13-10-2023	2023-24
9	National 202321061127 A India	Published	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Mulberry leaf and green tea polyphenols composition for diabetes treatment	2023	Published 20-10-2023	2023-24
10	National 391462-001 India Design	**Granted**	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Ultrasonic sonicator for pharmaceutical laboratory	2023	Granted 28-7-2023	2023-24

11	**International** 6314036 UK	**Granted**	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Y maze type apparatus to monitor locomotor activity of animals	2023	Granted 12-10-2023	2023-24
12	National 391987-001 India Design	**Granted**	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	High-performance thin-layer chromatography apparatus	2023	Granted 5-8-2023	2023-24
13	National 202311069256 A India	**Published**	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Anti-diabetic and Anti hyperlipidemic activities of Poly herbal Formulation in High fat Diet/Streptozotocin induced Diabetic rat model.	2023	Published 22-12-2023	2023-24
14	**International** Design number 202024100425	**Granted**	Dr.Desu Brahma SrinivasaRao, Department of Pharmacology, Hindu college of Pharmacy, Guntur, A.P, India	Targeted delivery system for diabetes intervention and composition	2024	Granted 07-02-2024	2023-24
15	**International** Germany 20 2023 106 668	**Granted**	Dr P. Nagaraju	A Pharmaceutical Composition for Oral In-Situ Gels of Ranitidine	2023-2024	08-01-2023	2023-24
16	**International** Germany 20 2023 106 669	**Granted**	Dr P. Nagaraju	A Pharmaceutical Composition for the Controlled Release of Zafirlukast	2023-2024	08-01-2023	2023-24
17	**International** Germany 20 2023 104 259	**Granted**	1.Dr P. Nagaraju 2.Dr. V. Vasu Naik Hindu college of Pharmacy, Guntur, A.P, India	Controlled-Release Matrix Tablet Composition of Apremilast	2023-2024	01-09-2023	2023-24

18	**International** Germany 20 2023 103 088	**Granted**	Dr P. Nagaraju	A Pharmaceutical Composition of Floating Bilayered Tablet of Atorvastatin Cacium and Nicotinic Acid	2023-2024	03-07-2023	2023-24
19	**International** Germany 20 2023 101 811	**Granted**	Dr P. Nagaraju	A Composition of Mesalazine Mini Tablet in Capsule System for Targeted Delivery to the Colon	2023-2024	22-05-2023	2023-24
20	National India 202141042099	**Published**	Dr P. Nagaraju	Synthesis and Evaluation Studies of Novel Heterocyclic Compounds	2023-2024	01-10-2021	2023-24
21	National India 202311061124 A	**Published**	Prof. Raj Kumar Kudari, Professor, Hindu College of Pharmacy, Guntur, Andhra Pradesh-522002, India Guntu	Turmeric-Curcumin Nano-particles for Enhanced Insulin Delivery in Diabetes Treatment	Date of filing of Application :11/09/2023	Publication Date : 13/10/2023	2023-24
22	**International** Design number 6305798	**Granted**	Prof. Raj Kumar Kudari, Professor, Hindu College of Pharmacy, Guntur, Andhra Pradesh-522002, India Guntu	Microemulsifier for nanoparticle synthesis	25/08/2023	05/09/2023	2023-24
23	National India 202441036713A	**Published**	Mrs. Srirekha, Asst. Professor, Hindu College of Pharmacy, Guntur, Andhra Pradesh- 522002, India Guntur.	HERBAL MOSQUITO REPELLENT STICKS	17/05/2024	09/05/2024	2023-24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/09/2017

(21) Application No.201741033739 A

(43) Publication Date : 29/09/2017

(54) Title of the invention : THERMO SENSITIVE OR THERMO REVERSIBLE HYDROGEL FORMULATION FOR SUSTAINED ANTIMICROBIAL ACTION

(51) International classification	:A61K9/06, A61K9/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)Mr.Ch.Hari Prasad Murthy

5)Mr.Siddartha Kumar Palleti

6)Dr.K.S.Nataraj

7)Dr.Konda Ravi Kumar

(57) Abstract :

Present invention relates to thermo sensitive or thermo reversible hydrogel formulation for sustained antimicrobial action is disclosed. The hydrogel formulation consists of various concentrations of a non-ionic surfactant such as poloxamer 124, 237, 188, 338 and 407 with various strengths of selected active pharmaceutical ingredients. The hydrogels are prepared by taking required quantity of poloxomer or in the combination of poloxamers and added to required quantity of water. Further, the solution is cooled to below 10 degree C for 10 h and active pharmaceutical ingredients are added and allowed it to solubilize until the formulation reaches above ambient temperature to observe the phase transition.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/07/2017

(21) Application No.201741026146 A

(43) Publication Date : 26/01/2018

(54) Title of the invention : 3-(1-(1H-BENZO[D]IMIDAZOL-2-YL)-2-(SUBSTITUTED PHENYL)VINYLIMINO)INDOLIN-2-ONE COMPOUNDS

(51) International classification :A61K31/416;C07D403/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Dr. Kunjiappan Selvaraj
3)Dr. Raja Sundararajan
4)Mr.Sivakumar Vellaichamy
5)Mr.Velayuthem Rajamanickam
6)Mr.Pandurangan Dineshkumar

(57) Abstract :
The present application relates to a novel series of 3-(1-(1H-benzo[d]imidazol-2-yl)-2-(substituted phenyl)vinylimino)indolin-2-ones and pharmaceutically acceptable salts thereof, and further relates to a method of using such compounds, and process of preparing such compound.

No. of Pages : 63 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2017

(21) Application No.201741027219 A

(43) Publication Date : 09/02/2018

(54) Title of the invention : 3-(4-(2-AMINO-6-(SUBSTITUTED PHENYL)-5,6DIHYDRO-4H-1,3-THIAZIN-4-YL)PHENYLIMINO)-1-((DIMETHYL AMINO)METHYL)INDOLIN-2-ONES

(51) International classification :C07D513/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Dr.Theivendren Panneerselvam
2)Dr.Govindaraj Saravanan
3)Dr.Veerasamy Alagarsamy
4)Mr.Pandurangan Dineshkumar
5)Dr.Jesupillai Muthuchellam

(57) Abstract :
The present application relates to a novel series of 3-(4-(2-amino-6-(substitutedphenyl)-5,6-dihydro-4H-1,3-thiazin-4-yl)phenylimino)-1-((dimethylamino)methyl)indolin-2-ones and pharmaceutically acceptable salts thereof, and further relates to a method of using such compounds, and process of preparing such compound.

No. of Pages : 36 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/11/2018

(21) Application No.201841041804 A
(43) Publication Date : 08/05/2020

(54) Title of the invention : SYNTHESIS OF PYRIMIDINE-5-CARBOXYLATE DERIVATIVES

(51) International classification	:C07D0401140000, C07D0519000000, C07D0417140000, C07D0401040000, C07J0043000000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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2)Dr. S. Udhyavani
3)Dr. N. Balakrishnan
4)Mr. Juluri Krishna Dutta Tejaswi
5)Ms. Rajeesha surapaneni

(57) Abstract :
The present application relates to a novel series of methyl 1-((3Z,4Z)-3,4-bis(substituted benzylidene)-2,5-dioxopyrrolidin-1-yl)-6-methyl-2-oxo-4-phenyl-1,2,3,4-tetrahydropyrimidine-5-carboxylate and pharmaceutically acceptable salts thereof, and further relates to a method of using such compounds, and process of preparing such compound.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2018

(21) Application No.201841024226 A

(43) Publication Date : 03/01/2020

(54) Title of the invention : SYNTHESIS OF 7-BROMO-2-(SUBSTITUTED BENZYLIDENE)-3,4-DIHYDRONAPHTHALEN-1(2H)-ONE

(51) International classification	:A61P35/00; A61P35/02; C07C201/12;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**

1)T. PANNEERSELVAM

2)P. DINESHKUMAR

3)MUNAGALA GAYATRI RAMYA

4)RAJESH AKKI

(57) Abstract :

The present application relates to a novel series of 7-bromo-2-(substituted benzylidene)-3,4-dihydronaphthalen-1(2H)-one and pharmaceutically acceptable salts thereof, and further relates to a method of using such compounds, and process of preparing such compound.

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

(12) INNOVATION PATENT (11) Application No. **AU 2020104023 A4**
(19) AUSTRALIAN PATENT OFFICE

(54) Title
MACHINE LEARNING BASED BREAST CANCER DETECTION IN INTEGRATION WITH FUZZY LOGIC

(51) International Patent Classification(s)
G16H 50/70 (2018.01) ***G16H 50/00*** (2018.01)

(21) Application No: **2020104023** (22) Date of Filing: **2020.12.11**

(45) Publication Date: **2021.02.25**
(45) Publication Journal Date: **2021.02.25**
(45) Granted Journal Date: **2021.02.25**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/07/2023

(21) Application No.202321049479 A
(43) Publication Date : 22/09/2023

(54) Title of the invention : SYNTHESIS OF NOVEL COUMARIN DERIVATIVES AS POTENTIAL ANTICANCER AGENT

(51) International classification :A61P0035000000, C07D0311160000, G01N0033500000, C07D0285135000, A61K0031433000
(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

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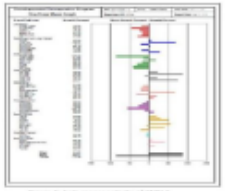
2)Dr. R. Govindrajan
Address of Applicant :Hindu College Of Pharmacy Guntur-522001 Andhra Pradesh India Guntur --------- ---------

(57) Abstract :
Abstract Synthesis of Novel Coumarin Derivatives as Potential Anticancer Agent provides four novel derivatives of coumarin compound CMN2, CMN4, CMN5, and CMN6; which shows significant tumour growth inhibition properties. The twenty synthesized Coumarin derivative compounds are evaluated for anticancer activity with appropriate synthetic method, from that five Coumarin analogue of 3-[6-(4-methylphenyl)imidazo[2,1-b][1,3,4]thiadiazol-2-yl]-2H-chromen-2-one and fifteen coumarin analogues of di-substituted imidazo[2,1-b][1,3,4] thiadiazole and different tri-substituted imidazo[2,1-b][1,3,4] thiadiazole were synthesized by novel process. All the synthesized compounds are purified by appropriate solvents identified and characterized. The tumour growth inhibition properties of the selected derivatives of coumarin compound CMN2, CMN4, CMN5, and CMN6 were screened on 56 and 57 human tumour cell lines in a primary one dose anti-cancer assay. The screening was two-stage process, beginning with the evaluation of all compounds against the 60 cell lines at a 60 cell lines at a single dose of 10 µm and then for dose screening.



No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/09/2023

(21) Application No.202311061125 A
(43) Publication Date : 13/10/2023

(54) Title of the invention : ANTI-DIABETIC AND ANTIOXIDANT CURCUMIN NANOPARTICLES FOR DIABETES MELLITUS TREATMENT

(51) International classification :A61P0003100000, A61K0031120000, A61P0003000000, A61K0009510000, A61P0003080000
(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

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6)Dr. Desu Brahma Srinivasa Rao
7)Dr. Ganesh Gundu Keshavshetti
8)Dr. Kinjal Solanki
9)Dr. Paresh A Prajapati
10)Dr. Suresh Kumar
11)Dr. Mitali Vinodrai Shrimankar
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Address of Applicant :Professor, Shanker Sinh Vaghela Bapu Institute of Pharmacy, Bapu GKV Campus, Gandhinagar Mansa Highway, Vasan, Gandhinagar, Gujarat, Gujarat Technological University, Chandkheda, Ahmedabad, Gujarat- 382650, India Ahmedabad ---------- ----------
12)Dr. Sejalben Gunvantbhai Patel
Address of Applicant :Associate Professor and HOD, Pharmacognosy, Nootan Pharmacy College, Sankalchand Patel University, Visanagar, Gujarat- 384315, India Mehsana ---------- ----------

(57) Abstract :
Anti-diabetic and Antioxidant Curcumin Nanoparticles for Diabetes Mellitus Treatment

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/09/2023

(21) Application No.202321061127 A
(43) Publication Date : 20/10/2023

(54) Title of the invention : MULBERRY LEAF AND GREEN TEA POLYPHENOLS COMPOSITION FOR DIABETES TREATMENT

(51) International classification :A61P0003100000, A61K0036605000, A61B0005000000, A61K0036820000, A61B0005145000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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3)Bhui Bhimashanakar Kondiba
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5)Mr. Sandip Vishwanath Jadhav
6)Mr. Avinash Mahadev Birajdar
7)Doreddula Sathish Kumar
8)Dr. Birendra Shrivastava
9)Prof. (Dr.) Ajit Kiran Kaur
10)Mr. Ketan Girish Bhutkar
11)Dr. Brahma Srinivasa Rao Desu
12)Dr. Jalari Ramu
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10)Mr. Ketan Girish Bhutkar
Address of Applicant :Assistant Professor, Kj educational institute, Trinity College of Pharmacy , Pune, Maharashtra- 411048, India Pune ---------- ----------
11)Dr. Brahma Srinivasa Rao Desu
Address of Applicant :M.Pharm., Ph.D, Professor & HOD, Department of Pharmacology, Hindu College of Pharmacy, Amaravathi road, Guntur, Andhra Pradesh-522002, India Guntur - ---------- ----------
12)Dr. Jalari Ramu
Address of Applicant :Professor of Biochemistry, NPIAS, Narayan Medical College and Hospital, Bihar 821305 India Rohtas ---------- ----------

(57) Abstract :
The invention pertains to a novel therapeutic composition integrating Mulberry leaf and Green Tea polyphenols tailored for diabetes management. Capitalizing on the inherent benefits of both components, the composition not only mitigates hyperglycemia but also introduces antioxidant and anti-inflammatory advantages. Experimental assessments have denoted significant reductions in both fasting and postprandial blood glucose levels, positioning this composition as a potentially more effective and safer alternative to conventional diabetes treatments

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

INTELLECTUAL PROPERTY INDIA

ORIGINAL

क्रम सं/ Serial No. : 145544

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	391462-001
तारीख / Date	:	28/07/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *ULTRASONIC SONICATOR FOR PHARMACEUTICAL LABORATORY* से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Dharmendra Ahuja 2. Dr. Pushpendra Kumar Jain 3.Dr. Desu Brahma Srinivasa Rao 4.Dr. Chinababu Dara 5.Dr. Guru Prasad Muppala 6.Dr. Sandeep Sharma 7.Dr. Chennupati Venkata Suresh 8.Dr. Shmmon Ahmad 9.Supriya Singh 10.Dr. Manchineni Prasada Rao के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to *ULTRASONIC SONICATOR FOR PHARMACEUTICAL LABORATORY* in the name of 1.Dr. Dharmendra Ahuja 2. Dr. Pushpendra Kumar Jain 3.Dr. Desu Brahma Srinivasa Rao 4.Dr. Chinababu Dara 5.Dr. Guru Prasad Muppala 6.Dr. Sandeep Sharma 7.Dr. Chennupati Venkata Suresh 8.Dr. Shmmon Ahmad 9.Supriya Singh 10.Dr. Manchineni Prasada Rao.

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

जारी करने की तिथि : 11/10/2023
Date of Issue :

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

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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.

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6314036

Grant date: 12 October 2023

Registration date: 21 September 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

Mr. Pranshul Sethi , Dr. Basavaraj Hulkoti, Dr. Vishal Rajput, Renu Dwivedi,

Dr.Saroj Yadav, Ms.Polly Gupta, Jyoti Nayak, Sathish Rengarajan, Dr.

Arunachalam Muthuraman, Dr.Desu Brahma Srinivasa Rao, Dr. Palak Alap Shah

in respect of the application of such design to:

Y maize type Apparatus to monitor locomotor activity of animals

International Design Classification:
Version: 14-2023
Class: 30 ARTICLES FOR THE CARE AND HANDLING OF ANIMALS
Subclass: 99 MISCELLANEOUS

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 INDIA

ORIGINAL

क्रम सं/ Serial No. : 147100

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	391987-001
तारीख / Date	:	05/08/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY APPARATUS* से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Karavadi Thejomoorthy 2. Dr. Abhijeet Vishnu Puri 3.Dr. Desu Brahma Srinivasa Rao 4.Sonu Soni 5.Konda Vvs Krishna 6.Dr. Balan Paramasivam` 7.Dr. E. Thilagam 8.Dr. Shashi Ravi Suman Rudrangi 9.Dr. Bhavna Amarishkumar Patel 10.Dr. Anar Patel 11.Dr.Vijayabhaskar Kanakam 12.Dr. Riddhi Darshan Trivedi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to *HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY APPARATUS* in the name of 1.Dr. Karavadi Thejomoorthy 2. Dr. Abhijeet Vishnu Puri 3.Dr. Desu Brahma Srinivasa Rao 4.Sonu Soni 5.Konda Vvs Krishna 6.Dr. Balan Paramasivam` 7.Dr. E. Thilagam 8.Dr. Shashi Ravi Suman Rudrangi 9.Dr. Bhavna Amarishkumar Patel 10.Dr. Anar Patel 11.Dr.Vijayabhaskar Kanakam 12.Dr. Riddhi Darshan Trivedi.

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

जारी करने की तिथि :
Date of Issue 30/10/2023

महानियंत्रक पेटेंट, डिज़ाइन और व्यापार चिह्न
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*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। 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.

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2023

(21) Application No.202311069256 A
(43) Publication Date : 22/12/2023

(54) Title of the invention : ANTIDIABETIC AND ANTIHYPERLIPIDEMIC ACTIVITIES OF POLYHERBAL FORMULATION IN HIGH FAT DIET/STREPTOZOTOCIN INDUCED DIABETIC RAT MODEL

(51) International classification :A61P0003060000, A61P0003100000, A61P0003000000, A61P0003040000, A61K0036480000
(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

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4)Dr. Desu Brahma Srinivasa Rao
5)Sunil Kumar Prajapati
6)Dr. Saroj Yadav
7)Arthanariswaran Pandurangan
8)Ms. Madhuchandra Lahan
9)Dr. Pushpraj S Gupta
10)Dr P. Srinivasa Babu
11)Dr Chanabasappa Nagathan
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Address of Applicant :Professor, Department of Pharmacognosy, Nirmalacollege of Health science, Chalakudy, Kerala- 680311, India THRISSUR ---------- ----------

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2024 100 425

Bezeichnung:
Gezieltes Abgabesystem zur Diabetes-Intervention und Zusammensetzung desselben

IPC:
A61K 45/00

Inhaber/Inhaberin:
Desu, Brahma Srinivasa Rao, Guntur, Andhra Pradesh, IN
Dev, Dhruv, Una, Himachal Pradesh, IN
Janarthanan, Senthil, Dr., Chennai, Tamil Nadu, IN
Kumar, Sandeep, Dr., Bijnor, Uttar Pradesh, IN
Lakshmi, Darbhamulla Sri, Dr., Rajahmundry, Andhra Pradesh, IN
Rajendran, Senthil Prabhu, Dr., Madurai, Tamil Nadu, IN
Sethi, Pranshul, Patiala, Punjab, IN
Singh, Mahaveer, Hassan, Karnataka, IN
Upadhye, Shashikant Sudarshan, Sangli, Maharashtra, IN
Vaghela, Krishna, Gandhinagar, Gujarat, IN

Tag der Anmeldung:
29.01.2024

Tag der Eintragung:
07.02.2024

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 07.02.2024

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 106 668

Bezeichnung:
Pharmazeutische Zusammensetzung für orales in-situ Gel von Ranitidin

IPC:
A61K 31/341

Inhaber/Inhaberin:
Atmakuri, Lakshmana Rao, Dr., Gudlavalleru, Andhra Pradesh, IN
Banoth, Bhargav Naik, Hyderabad, Telangana, IN
Kandimalla, Madhavi, Dr., Nandigama, Andhra Pradesh, IN
Kodali, Balaji, Dr., Hanuman Junction, Andhra Pradesh, IN
Korni, Rama Devi, Dr., Visakhapatnam, Andhra Pradesh, IN
Nandyala, Srinivas, Dr., Mallepalli, Andhra Pradesh, IN
Pappula, Nagaraju, Dr., Guntur, Andhra Pradesh, IN
Pashikanti, Shailaja, Dr., Visakhapatnam, Andhra Pradesh, IN
Ponnaganti, Satya Sai Prasanna Kumar, Darsiparru, Andhra Pradesh, IN
Vadithe, Vasu Naik, Dr., Piduguralla, Andhra Pradesh, IN

Tag der Anmeldung:
14.11.2023

Tag der Eintragung:
08.01.2024

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 08.01.2024

Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 106 669

Bezeichnung:
Pharmazeutische Zusammensetzung für die kontrollierte Freigabe von Zafirlukast

IPC:
A61K 31/404

Inhaber/Inhaberin:
Atmakuri, Lakshmana Rao, Dr., Gudlavalleru, Andhra Pradesh, IN
Kavuri, Naga Raju, Dr., Pedaparimi, Andhra Pradesh, IN
Kodali, Balaji, Dr., Hanuman Junction, Andhra Pradesh, IN
Korni, Rama Devi, Dr., Visakhapatnam, Andhra Pradesh, IN
Mamidi, Satya Venkata Sakuntala, Dr., Kakinada, Andhra Pradesh, IN
Pappula, Nagaraju, Dr., Guntur, Andhra Pradesh, IN
Pashikanti, Shailaja, Dr., Visakhapatnam, Andhra Pradesh, IN
Satyavarapu, Veera Venkata Naga Satya Mahalakshmi, Dr., Narsapur, Telangana, IN
Thummala, Udaya Kumar, Dr., Krishna, Andhra Pradesh, IN
Vadithe, Vasu Naik, Dr., Piduguralla, Andhra Pradesh, IN

Tag der Anmeldung:
14.11.2023

Tag der Eintragung:
08.01.2024

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 08.01.2024

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Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 104 259

Bezeichnung:
Matrix-Tablettenzusammensetzung mit kontrollierter Freisetzung von Apremilast

IPC:
A61K 31/4035

Inhaber/Inhaberin:
Arige, Sai Datri, Machilipatnam, Andhra Pradesh, IN
Atmakuri, Lakshmana Rao, Dr., Gudlavalleru, Andhra Pradesh, IN
Dangeti, Vinay Kumar, Dr., Kothavalasa, Andhra Pradesh, IN
Karri, Srinivasa Reddy, Anaparthy, Andhra Pradesh, IN
Kodali, Balaji, Dr., Hanuman Junction, Andhra Pradesh, IN
Mamidi, Satya Venkata Sakuntala, Dr., Kakinada, Andhra Pradesh, IN
Nandyala, Srinivas, Dr., Jaggampeta, Andhra Pradesh, IN
Pappula, Nagaraju, Dr., Guntur, Andhra Pradesh, IN
Ponnaganti, Satya Sai Prasanna Kumar, Darsiparru, Andhra Pradesh, IN
Vadithe, Vasu Naik, Dr., Guntur, Andhra Pradesh, IN

Tag der Anmeldung:
28.07.2023

Tag der Eintragung:
01.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 01.09.2023

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Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 103 088

Bezeichnung:
Pharmazeutische Zusammensetzung einer schwimmenden zweischichtigen Tablette aus Atorvastatin Calcium und Nikotinsäure

IPC:
A61K 31/40

Inhaber/Inhaberin:
Atmakuri, Lakshmana Rao, Dr., Gudlavalleru, Andhra Pradesh, IN
Chennuru, Madhavi Latha, Dr., Nellore, Andhra Pradesh, IN
Ghanta, Vijaya Kumar, Dr., Vijayawada, Andhra Pradesh, IN
Kandimalla, Madhavi, Dr., Khammam, Telangana, IN
Kodali, Balaji, Dr., Hanuman Junction, Andhra Pradesh, IN
Madda, Suresh Babu, Dr., Eluru, Andhra Pradesh, IN
Nandyala, Srinivas, Dr., Jaggampeta, Andhra Pradesh, IN
Pappula, Nagaraju, Dr., Guntur, Andhra Pradesh, IN
Peeriga, Raveesha, Dr., Gudivada, Andhra Pradesh, IN
Shaik, Aminabee, Dr., Machilipatnam, Andhra Pradesh, IN
Talasila, Eswara Gopalakrishna Murthy, Dr., Chirala, Andhra Pradesh, IN

Tag der Anmeldung:
06.06.2023

Tag der Eintragung:
03.07.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior
München, 03.07.2023

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Bundesrepublik Deutschland

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 101 811

Bezeichnung:
Mesalazin-Mini-Tablettenzusammensetzung in einem Kapselsystem zur gezielten Verabreichung an den Dickdarm

IPC:
A61K 31/606

Inhaber/Inhaberin:
Atmakuri, Lakshmana Rao, Dr., Gudlavalleru, Andhra Pradesh, IN
Chennuru, Madhavi Latha, Dr., Nellore, Andhra Pradesh, IN
Chirravuri, Satyanarayana Phani Kumar, Dr., Mallam, Andhra Pradesh, IN
Ghanta, Vijaya Kumar, Dr., Tadigadapa, Andhra Pradesh, IN
Kandimalla, Madhavi, Dr., Khammam, Telangana, IN
Kota, Padmaja, Dr., Visakhapatnam, Andhra Pradesh, IN
Nandyala, Srinivas, Dr., Mallepalli, Andhra Pradesh, IN
Pappula, Nagaraju, Dr., Guntur, Andhra Pradesh, IN
Peeriga, Raveesha, Dr., Gudivada, Andhra Pradesh, IN
Shaik, Aminabee, Dr., Machilipatnam, Andhra Pradesh, IN

Tag der Anmeldung:
11.04.2023

Tag der Eintragung:
22.05.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior

Eva Schewior

München, 22.05.2023

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Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/09/2021

(21) Application No.202141042099 A
(43) Publication Date : 01/10/2021

(54) Title of the invention : SCREENING OF NOVEL ISOXAZOLE DERIVATIVES AS ANTITUBERCULAR AGENTS

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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a method of synthesizing novel heterocyclic compounds comprising of a single aldehyde in reaction with plurality of ketones to obtain plurality of chalcones, and the aldehyde is Isoxazole-3-carbaldehyde and the ketone is 4-substituted acetophenones each taken in 1nmol quantity, the aldehyde and the ketone taken are dissolved in an acidic mixture to obtain a reaction mixture which is further subjected to stirring at 70 °C, and the reaction mixture is subjected to a Thin Layer Chromatography and the yellow precipitate obtained from the impure mixture is filtered and dried and separated and subjected to recrystallization to obtain E)-1-(4-substituted phenyl)-3-(isoxazol-3-yl) prop-2-en-1-one which are substituted with various halogens to form first ten different chalcone compounds; and a 1 mmol solution of (E)-1-(4-substituted phenyl)-3-(isoxazol-3-yl) prop-2-en-1-one obtained earlier is taken along with 1 mmol of guanidine hydrochloride and adding 20 ml of absolute alcohol (Ethanol) as the solvent and 0.3ml of Potassium Hydroxide drop by drop to the mixture at room temperature and the obtained mixture is subjected to refluxing to evaporate the solvent; separating the mixture by pouring in ice cold water and subjecting the cold mixture to column chromatography for separation by using at least one of: ethyl acetate; and ethyl hexane along with crystallized form of chloroform to give 4-(4-Substituted phenyl)-6-(isoxazol-3-yl) pyrimidin-2-amine. . Molecular docking studies revealed that compounds 18 and 20 had more potential to interact with selected enzyme than standard which are expressed on docking score. They were possessed as drug-likeness through Lipinskis rule. Thus, based on the study, we state that compounds 18 and 20 should be promising compounds and can be later developed as potential drugs for the treatment of Mycobacterium tuberculosis infections. FIG. 1 and FIG. 2

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(51) International classification :A61K0036906600, A61K0038280000, A61P0003100000, A61K0031120000, A61K0009510000

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(57) Abstract :
The present invention relates to a composition designed for enhanced insulin delivery in diabetes treatment, leveraging the synergistic benefits of turmeric and curcumin. Central to this composition are insulin-loaded turmeric-curcumin nanoparticles, which are meticulously crafted using turmeric extract (20%-40% by weight), curcumin (5%-15% by weight), and a stabilizer agent (1%-5% by weight). Notably, the stabilizer agents of choice include polyvinyl alcohol, polyvinylpyrrolidone, and chitosan. The resulting nanoparticles, sized between 50 nm and 200 nm, encapsulate insulin concentrations ranging from 5% to 20% by weight of the overall composition.

No. of Pages : 12 No. of Claims : 10

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6305798

Grant date: 05 September 2023

Registration date: 25 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. Sagar Nareshrao Firke, Dr. RAJKUMAR MALSHETTY BIRADAR, Srividya Kommineni, Dr. Ashish Babanrao Roge, Ms. Anuradha Sabhapathy Narayanasamy, Prof. Raj Kumar Kudari, Dr. Brajesh Kumar Arjariya, Ms. Rekha Vasant Salve, Dr. Paresh Ambalal Prajapati , Dr. Manisha Sunil Lalan , Dr. Pranav Jitendra Shah, Mrs. Bhagyashri Vilas Gawade

in respect of the application of such design to:

Microemulsifier for nanoparticle synthesis

International Design Classification:
Version: 14-2023
Class: 24 MEDICAL AND LABORATORY EQUIPMENT
Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES

THE PATENT OFFICE OFFICIAL

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.

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(57) Abstract :
Mosquitoes control and personal protection from mosquito's bites is one of the serious ways for preventing of contagious diseases proliferation. In recent years, interest in plant based products has been revived because of the development of resistance, cross-resistance and possible toxicity hazards associated with synthetic insecticides and their rising costs. Presently most of the mosquito repellents available in markets are based on chemical and they are toxic against the skin and nervous system like rashes, swelling, eye irritation, and other health problems. Most of the people still dislike the smoke of the synthetic pyrethroid Hence herbal mosquito repellents were preferred than chemical based mosquito repellents. Essential oils belonging to various plant species and their mixtures have been seen to act as effective repellent against various mosquitoes and pests. The easy availability and less adverse environmental impact have led to the increased interest in plant origin repellants which are safe and biodegradable alternatives to synthetic chemical repellants for use against mosquitoes. Hence attempts have been made to find out the novel formulations containing fixatives with combination of different essential oils for mosquito repellent stick. The essential herbal plants mainly were Azadirachta indica (neem) Ocimum tenuiflorum (tulasi) caledulaofficinalis (marrygold) Alliumsativum (garlic) Globulualabillardiere (eucalyptus) Cymbopogon (lemongrass) Citrusaurantium (orangepeel) They were formulated individually and in different combinations with supportive ingredients such as filler, binder, burning agent, adhesives, smell enhancer etc.Results of analysis showed that formulations containing Cymbopogon Citrullus, Azadiracta indica and Eucaluptus globulus essential oils have the most promising activity exhibiting 80-95% repellency as compared to other repellant essential oils. The combinations containing Azadiracta indica showed prolonged burning and repellency both as compared to other formulations. In present investigation, the ingredients used in almost all of the formulations were herbal based and ecofriendly. Since, it has no side effect on inhalation. Same formulations were evaluated for texture, efficacy, and stability etc. The present study demonstrates the potential for using essential oils from medicinal plants in mosquito repellent formulations.

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