

INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS) (Deemed to be University Estd. u/s 3 of the UGC Act, 1956) PALLAVARAM - CHENNAI ACCREDITED BY NAAC WITH 'A' GRADE INSTITUTION WITH UGC 12B STATUS

NIRF 2023

PHARMACY

PATENT PUBLISHED 2020



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GEOGRAPHICAL INDICATIONS	
Application Details	
APPLICATION NUMBER	202041025466
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/06/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)
TITLE OF INVENTION	UNFOLDING TYPE OF GASTRO RETENTIVE FILM OF ANTI-EPILEPTIC AGENT: FORMULATION AND OPTIMIZATION
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	17/06/2020
PUBLICATION DATE (U/S 11A)	03/07/2020
Application Status	
	View Documents



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



	GEOGRAPHICAL INDICATIONS	
	Application Details	
APPLICATION NUMBER	202041025459	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	17/06/2020	
APPLICANT NAME	Vels Institute of Science, Technology & Advanced Studies (VISTAS)	
TITLE OF INVENTION	SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF SOME NEW QUINOLINYL CHALCONE DERIVATIVES	
FIELD OF INVENTION	CHEMICAL	
E-MAIL (As Per Record)		
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com	
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE	17/06/2020	
PUBLICATION DATE (U/S 11A)	03/07/2020	
REPLY TO FER DATE	25/08/2021	
	Application Status	
APPLICATION STATUS	Application Refused U/S 15	
	Order(s)/Decision(s) View Documents	



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	GEOGRAPHICAL INDICATIONS
Application Details	
APPLICATION NUMBER	202041025416
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/06/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	DEVELOPMENT OF DRUG DELIVERY SYSTEM FOR HELMINTHIASIS
FIELD OF INVENTION	FOOD
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	17/06/2020
PUBLICATION DATE (U/S 11A)	03/07/2020
Application Status	

View Documents



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



GEOGRAPHICAL INDICATIONS	
Application Details	
202041025446	
ORDINARY APPLICATION	
17/06/2020	
Vels Institute of Science Technology & Advanced Studies(VISTAS)	
PERYLENE-DI IMIDES ANALOGUES AS POTENT APOPTOSIS INDUCER AND EFFICACIOUS ANTICANCER AGENT	
BIOTECHNOLOGY	
patent.vels@eattributes.com	
17/06/2020	
03/07/2020	
Application Status	
APPLICATION STATUS Application Awaiting Examination	
View Documents	



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	GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202041025429
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/06/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)
TITLE OF INVENTION	REVERSAL OF DIABETIC RETINOPATHY IN MODIFIED PROLIFERATIVE DIABETIC RETINOPATHY MODEL IN RATS USING TRADITIONAL INDIAN MEDICINAL PLANTS
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	17/06/2020
PUBLICATION DATE (U/S 11A)	03/07/2020
	Application Status
APPLICATION STATUS	Application Awaiting Examination
	View Documents



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



	GEOGRAPHICAL INDICATIONS	
Application Details		
APPLICATION NUMBER	202041025464	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	17/06/2020	
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)	
TITLE OF INVENTION	MOLECULAR DOCKING STUDIES FOR ANTITUBERCULAR ACTIVITY, SYNTHESIS, CHARACTERISATION AND ANTIMICROBIAL EVALUATION OF AZETIDINE-2-ONE DERIVATIVE	
FIELD OF INVENTION	CHEMICAL	
E-MAIL (As Per Record)		
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com	
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE	17/06/2020	
PUBLICATION DATE (U/S 11A)	10/07/2020	
REPLY TO FER DATE	08/07/2021	
Application Status		
APPLICATION STATUS	Application Refused U/S 15	
	Order(s)/Decision(s) View Documents	



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



	Order(s)/Decision(s) View Documents
APPLICATION STATUS	Application Refused U/S 15
	Application Status
REPLY TO FER DATE	06/08/2021
PUBLICATION DATE (U/S 11A)	31/07/2020
REQUEST FOR EXAMINATION DATE	23/07/2020
PRIORITY DATE	
E-MAIL (UPDATED Online)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (As Per Record)	
FIELD OF INVENTION	CHEMICAL
TITLE OF INVENTION	TASTE MASKING ANTI-EPILEPTIC ION-EXCHANGE RESINATES IN SOLID-STATE: FORMULATION OF LIQUID SUSPENSION FOR PEDIATRIC APPLICATION
APPLICANT NAME	VELS INSTITUTE OF SCIENCE TECHNOLOGY ADVANCED STUDIES(VISTAS)
DATE OF FILING	23/07/2020
APPLICATION TYPE	ORDINARY APPLICATION
APPLICATION NUMBER	202041031469
	Application Details



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



	Application Details
APPLICATION NUMBER	202041035029
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/08/2020
APPLICANT NAME	Vels Institute of Science, Technology & Advanced Studies (VISTAS)
TITLE OF INVENTION	ROLE OF POLIO VIRUS ANTIGEN IN MODULATING THE BETA-CELL AUTOIMMUNITY IN TYPE 1 DIABETES MELLITUS
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	14/08/2020
PUBLICATION DATE (U/S 11A)	28/08/2020
PUBLICATION DATE (U/S 11A)	28/08/2020 Application Status
PUBLICATION DATE (U/S 11A)	Application Status



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



PROPERTY INDIA PATENTSI DESIGNSI TRADE MARKS GEOGRAPHICAL INDICATIONS	
	Application Details
APPLICATION NUMBER	202041035022
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/08/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY& ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	DEVELOPMENT AND CHARACTERIZATION OF SQUALENE LOADED TOPICAL EMULGEL SCAFFOLD: CELLULAR PROLIFERATIVE POTENTIAL AND REGENERATION IN FULL THICKNESS BURNT MODEL.
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.co
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	14/08/2020
PUBLICATION DATE (U/S 11A)	28/08/2020
	Application Status
	View Documents
Filed RQ Filed Published H Under Examination	
Disposed	



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



	PROPERTY INDIA PATENTSI DESIGNSI TRADE MARKS GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202041036030
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/08/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	APPARATUS FOR SCREENING, EVALUATION AND IN VITRO-IN VIVO CORRELATION OF ANTI-DIABETIC ACTIVITY
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	21/08/2020
PUBLICATION DATE (U/S 11A)	04/09/2020
	Application Status
APPLICATION STATUS	Application referred u/s 12 for examination.
	View Documents
Filed RQ Filed Published Under Examination	



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



	Application Details
APPLICATION NUMBER	202041040457
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)
TITLE OF INVENTION	ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF NANO HERBAL GEL FROM THE ETHANOLIC EXTRACT OF THE STEM BARK OF BAUHINIA VARIEGATA
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	18/09/2020
PUBLICATION DATE (U/S 11A)	02/10/2020
REPLY TO FER DATE	14/09/2021
	Application Status
APPLICATION STATUS	Application Status Reply Filed. Application in amended examination







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



	PATENTS/ DESIGNS/ TRADE MARKS GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202041040467
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2020
APPLICANT NAME	Vels Institute of Science, Technology & Advanced Studies (VISTAS),
TITLE OF INVENTION	COMBINATION OF BIOFLAVONOIDS RUTIN AND BERBERINE NANOPARTICLES FOR ITS ANTICANCER ACTIVITY
FIELD OF INVENTION	TRADITIONAL KNOWLEDGE CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	18/09/2020
PUBLICATION DATE (U/S 11A)	02/10/2020
	Application Status
	View Documents
Filed RQ Filed Published Duder Examination	
Disposed	



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



	PATENTSI DESIGNA I TRADE MARKS GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202041040465
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY& ADVANCED STUDIES(VISTAS)
TITLE OF INVENTION	DEVELOPMENT OF LUMEFANTRINE LOADED SEDDS: AN ATTEMPT TO IMPROVE THE ANTIMALARIAL EFFICACY AND OVER COME THE RESISTANCE CAUSED BY P. FACIPARUM USING BOX-BEHNKEN DESIGN
FIELD OF INVENTION	PHARMACEUTICALS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Re	cord) patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION E	DATE 18/09/2020
PUBLICATION DATE (U/S 11A)	02/10/2020
REPLY TO FER DATE	06/08/2021
	Application Status
APPLICATION STATUS	Application Refused U/S 15
	Order(s)/Decision(s) View Documents
Filed	RQ Filed Published Under Examination



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



	PROPERTY INDIA PATENTSI DESIGNSI TRADE MARKS. GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202041043142
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/10/2020
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	NOVEL DIATOM BIOSILICA NANOPARTICLES AS A DRUG DELIVERY CARRIER FOR INFECTIOUS DISEASES: DEVELOPMENTIN-VITRO, AND IN-VIVO CHARACTERIZATION.
IELD OF INVENTION	PHARMACEUTICALS
-MAIL (As Per Record)	
DDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	05/10/2020
PUBLICATION DATE (U/S 11A)	16/10/2020
	Application Status
	View Documents
Filed RQ	Filed Published Under Examination
	Disposed
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(http://ipindia.nic.in/index.htm)



	PROPERTY INDIA PATENTSI DESIGNISI TRADE MARKS GEOGRAPHICAL INDICATIONS	
	Application Details	
APPLICATION NUMBER	202041043143	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	05/10/2020	
APPLICANT NAME	Vels Institute Of Science, Technology & Advanced Studies (VISTAS)	
TITLE OF INVENTION	PHYTOCHEMICAL SCREENING AND EVALUATION OF ANTIFERTILITY ACTIVITIES OF POLYGONUM GLABRUM IN FEMALE ALBINO RATS	
FIELD OF INVENTION	PHARMACEUTICALS	
E-MAIL (As Per Record)		
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com	
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE	05/10/2020	
PUBLICATION DATE (U/S 11A)	16/10/2020	
	Application Status	
APPLICATION STATUS	APPLICATION STATUS Application Awaiting Examination	
	View Documents	
Filed RQ	Filed Published Disposed	



INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS) (Deemed to be University Estd. u/s 3 of the UGC Act, 1956) PALLAVARAM - CHENNAI ACCREDITED BY NAAC WITH 'A' GRADE INSTITUTION WITH UGC 12B STATUS

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Application Details		
APPLICATION NUMBER	202141020622	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	06/05/2021	
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES(VISTAS)	
TITLE OF INVENTION	DEVELOPMENT OF BUCCAL ADHESIVE FILM CONTAINING COMBINATION OF ANTI-OXIDANTS FOR PREVENTING THE PROGR	
FIELD OF INVENTION	CHEMICAL	
E-MAIL (As Per Record)		
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com	
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE	06/05/2021	
PUBLICATION DATE (U/S 11A)	11/06/2021	

	Application Status
APPLICATION STATUS	Under Examination
	View Documents



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



Application Details	
APPLICATION NUMBER	202141035476
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/08/2021
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED SCIENCES(VISTAS)
TITLE OF INVENTION	FORMULATION OF PHENYLEPHRINE AND AMIKACIN NANOEMULSION
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	06/08/2021
PUBLICATION DATE (U/S 11A)	20/08/2021
REPLY TO FER DATE	06/12/2022

	Application Status
APPLICATION STATUS	Under Examination
	View Documents



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



	GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202241008125
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/02/2022
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	DEVELOPMENT OF TOPICAL OINTMENT CONTAINING HERBAL EXTRACTS FOR TREATING PSORIASIS
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/02/2022
PUBLICATION DATE (U/S 11A)	04/03/2022
	Application Status
APPLICATION STATUS	Application Awaiting Examination
	View Documents



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



	GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202241008126
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/02/2022
APPLICANT NAME	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)
TITLE OF INVENTION	INHIBITORY EFFECT OF TRAGIA INVOLUCRATA BY IN VITRO AND IN VIVO METHODS THROUGH MITOCHONDRIAL MOLECU
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/02/2022
PUBLICATION DATE (U/S 11A)	04/03/2022
	Application Status
APPLICATION STATUS	Application Awaiting Examination
	View Documents

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Patent Search

Invention Title	SURFACE MODIFIED NANOPARTICLES FOR THE TREATMENT OF CANCER AND METHOD OF PREPARATION THEREOF	
Publication Number	12/2022	
Publication Date	25/03/2022	
Publication Type	INA	
Application Number	202241015299	
Application Filing Date	20/03/2022	
Priority Number		
Priority Country		
Priority Date		
Field Of Invention	CHEMICAL	
Classification (IPC)	A61K0009510000, B82Y0030000000, C09C00013600000, C09C00013000000, C08K0009060000	
Inventor		
Name	Address	Co
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Dr. U.Ubaidulla	C.L.Baid Metha College of Pharmacy, Thoraipakkam, Chennai-97, Tamil nadu, India	Inc
Dr. R. Kumaravel Rajan	C.L.Baid Metha College of Pharmacy, Thoraipakkam, Chennai-97, Tamil nadu, India	Inc
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R. Vijayakumar	C.L.Baid Metha College of Pharmacy, Thoraipakkam, Chennai-97, Tamil nadu, India	Inc
Dr. S. Sathesh Kumar	School of Pharmaceutical Sciences, Vels Institute of Science, Technology and Advanced Studies (VISTAS), Pallavaram, Ind Chennai-600117, India	

Name	Address	Country
Dr. U.Ubaidulla	C.L.Baid Metha College of Pharmacy, Thoraipakkam, Chennai-97, Tamil nadu, India	India

Abstract:

ABSTRACT SURFACE MODIFIED NANOPARTICLES FOR THE TREATMENT OF CANCER AND METHOD OF PREPARATION THEREOF The present invention relates a su nanoparticles for the treatment of cancer and evaluate their cytotoxic activity against breast cancer cells. The invention also relates to a process for the preparal nanoparticles. Fig 1

Complete Specification

Claims:1. A surface modified nanoparticles for the treatment of cancer comprising:

a. a photosensitizer;

b. a drug;

c. a polymer;

d. a targeting moiety; and

e. a lipid core (lecithin).

2. The surface modified nanoparticle as claimed in claim 1, wherein the drug is selected from gallic acid, curcumin, quercetin, ferulic acid, ellagic acid, rutin, a polyphenol compounds.

3. The surface modified nanoparticle as claimed in claim 1, wherein the polymer is selected from PLGA, CHITOSAN, PEG-PLGA, PCL, PVP, PLA and ALGINATE.

4. The surface modified nanoparticle as claimed in claim 1, wherein the targeting moiety is selected from DSPE-PEG2K-F, DSPE-PEG-FA, PEG-FA, CMC-EDBE-F, MNPs and FA-BSA.



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



	Application Details
APPLICATION NUMBER	202241020227
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/04/2022
APPLICANT NAME	Vels Institute of Science, Technology and Advanced Studies (VISTAS)
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF LIFITEGRAST LOADED CONTACT LENSES FOR DRY EYE SYNDROME
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent.vels@eattributes.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	04/04/2022
PUBLICATION DATE (U/S 11A)	22/04/2022
	Application Status
	Application Status
APPLICATION STATUS	FER Issued, Reply not Filed

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Patent Search

nvention Title		CONTROLLING THE RELEASE RATE OF A THERAPEUTIC DRUG USING NANOPARTICLE VESICLES EMBEDDED IN HYDROGEL		
Publication Number		7/2022		
Publication Date		25/11/2022		
Publication Type		NA		
Application Number		02241065530		
Application Filing D	ate	16/11/2022		
Priority Number				
Priority Country				
Priority Date				
Field Of Invention		CHEMICAL		
Classification (IPC)		A61K0031704000, A61P0043000000, A61K0047600000, A61K0047690000, B82Y0005000000		
nventor				
Name	Address	idress		
Dr. E Bhavya		Professor, Department of Pharmacy Practice, Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, Srivilliputtur, Virudhunagar Ind District, Tamil Nadu, India -626126.		
Mr Darla Raju	Assistant Professor Joginpalli B R Pharmacy College Survey No 156 To 162, Amdapur X Road, Yenkapally, Moinabad, Hyderabad, India Telangana -500075, India			
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Dr. Deevan Paul A	Associate Professor Chettinad School of Pharmaceutical Sciences, Chettinad Hospital and Research Institute, Chettinad Academy of Research and Education, Kelambakkam-603103, Tamil Nadu, India,		India	
Mr. Pavan Kumar Krosuri	Associate Professor Department of Pharmaceutics Santhiram College of Pharmacy, Nerawada, NH40, Nandyal district, Nandyal India		India	
Dr DSNBK Prasanth	Associate Professor, Department of Pharmacognosy, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada - 520010, Andhra Pradesh, India		India	
Dr.B.Sree Giri Prasad			India	
Dr. Raju Ramesh Thenge	Professor Dr. Rajendra Gode College of Pharmacy, Mlakapur, Dist: Buldana.Maharashtra, India			
Mrs. M Archana	School of Pharmaceutical Sciences Velan Nagar, P.V. Vaithiyalingam Road Pallavaram, Chennai, Tamil Nadu, 600117, India		India	
Mr. Lokesh Patle	Associate Professor Institute of Pharmaceutical Sciences & Research Balaghat, Sardar Patel University Dogariya, Dist-Balaghat (M.P) Pin No 481102		India	
	Assistant Professor Department of Pharmaceutics, GIET School of Pharmacy, Rajahmundry, East Godavari, Andhra Pradesh, 533296, India		India	
Mr. Anil Kumar V	India			

Name	Address	Country
Dr. E Bhavya	Professor, Department of Pharmacy Practice, Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, Srivilliputtur, Virudhunagar District, Tamil Nadu, India -626126.	
Mr Darla Raju	Assistant Professor Joginpalli B R Pharmacy College Survey No 156 To 162, Amdapur X Road, Yenkapally, Moinabad, Hyderabad, Telangana -500075, India	India
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Abstract:

CONTROLLING THE RELEASE RATE OF A THERAPEUTIC DRUG USING NANOPARTICLE VESICLES EMBEDDED IN HYDROGEL 5 A method of controlling the release rate of therapeutic drug using nanoparticle vesicles embedded in hydrogel, wherein the method comprises selecting electronic components useful for sensing or detecting analytes, signals or conditions; storing data from said electronic components, transmitting or generating an output signal. It also comprising at 10 least one surfactar from the group consisting of crown ether amphiphiles bearing a steroidal moiety. It further enhances the induction of host defenses by adriamycin, when administer form and capable of reducing adriamycin toxicity. Comprises β-glycerophosphate polyol, glycerol, pentaerythritol, ethylene glycol, glycerin, castor oil, sucrose polyeth polypropylene glycol. It also do administers a therapeutically 15 effective amount of the suspension parenterally. It is consisting of alpha-tocopherol, including analog including alpha-tocopherol succinate, provided that if the secondary compound is alpha-tocopherol, the toxicity for adriamycin is reduced at least three and a half tin has a method for enhancing the therapeutic effectiveness of adriamycin and a secondary compound .

Complete Specification

Description:CONTROLLING THE RELEASE RATE OF A THERAPEUTIC DRUG USING NANOPARTICLE VESICLES EMBEDDED IN HYDROGEL BACKGROUND

Technical Field

[0001] The embodiments herein generally relate to a method of controlling the

release rate of a therapeutic drug using nanoparticle vesicles embedded in hydrogel.

Description of the Related Art

[0002] Drug delivery systems, such as physical encapsulation or liposomes

containing neutral or zwitterionic lipids, are used to improve drug administration. The lipids in liposomes arrange themselves into bilayers and entrap one or more spaces. Biological immunostimulatory, such as cytokines and bacterial cell wall derivatives, are also capable of stimulating the tumoricidal activity of macrophages. Entrapment of such immunostimulatory in lipid bilayer vesicles, i.e., liposomes, potentiates the induction of tumoricidal activity. The liposome effect effects may be due to increased incorporation of the immunostimulatory into macrophages and phagocytic components of the reticuloendothelial system (RES). Tumors in the abdominal cavity are exposed to higher concentrations of drug for longer periods of time.

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Classification (IPC)		A61P0003100000, A23L0033105000, A61K0036490000, H04L0025020000, A61K0031640000		
Field Of Invention		CHEMICAL		
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Application Filing Date		10/11/2022		
Publication Type Application Number		202241064223		
Publication Date		18/11/2022 INA		
Publication Number		46/2022		
Dublication Number		INDUCED EXPERIMENTAL DIABETIC RATS		
Invention Title		MODULATION OF VITAMIN C AND E BY NEISOSPERMA OPPOSITIFOLIUM (LAM.) FOSB. & SACHET AND QUERCUS LANATA SM	. EXTRACI	

Abstract:

SARAVANAKUMAR A

TAMILNADU, INDIA.

DR.

ABSTRACT MODULATION OF VITAMIN C AND E BY NEISOSPERMA OPPOSITIFOLIUM (Lam.) Fosb. & Sachet and QUERCUS LANATA Sm. EXTRACTS ON STZ-INDUCED EXF DIABETIC RATS This study aims to research the effect of Ethanol Extract of stem bark of Neisosperma oppositifolium (Lam.) Fosb. (EENo) and Ethanol Extract of stem Quercus lanata Sm. (EEQI) on Vitamin C and E in streptozotocin induced diabetic rats.Diabetes mellitus was induced with single intraperitoneal injection of streptozo dissolved in 0.1M of cold citrate buffer, pH 4.5) 115 mg/ kg in 12-hr-fasted rats. After 72 hours, rats with a blood glucose concentration above 250 mg/dl were conside diabetic. All rats were fed orally with glucose load of 3 mg/g body weight. Twenty-five Male albino Wister rats were included in this study. They were divided into 5 grc normal control, diabetic control, positive control (Glibenclamide) and the remaining 2 groups were administrated Ethanol Extract of stem bark of Neisosperma oppos (Lam.) Fosb. (EENo) and Ethanol Extract of stem bark of Quercus lanata Sm. (EEQI).Evaluated the effect of Vitamin C and E on the activities of antioxidant enzymes (C/ in liver and kidney tissue of diabetic rats.

PROFESSOR, DEPARTMENT OF PHARMACOLOGY, GRT INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH, THIRUTTANI,

Complete Specification

We claim:

- 1. The antioxidant enzymes such as CAT, SOD were significantly (p < 0.05) decreased in diabetic rats compared to normal rats in kidney, liver and pancreas tissues.
- Diabetic group rats treated with Ethanol Extract of stem bark of Neisosperma oppositifolium and Quercus lanata exhibited significantly higher (p < 0.05) CAT enz
 The non-enzymatic antioxidants such as GSH was significantly lower whereas MDA levels increased in untreated diabetic rats compared to normal rats.

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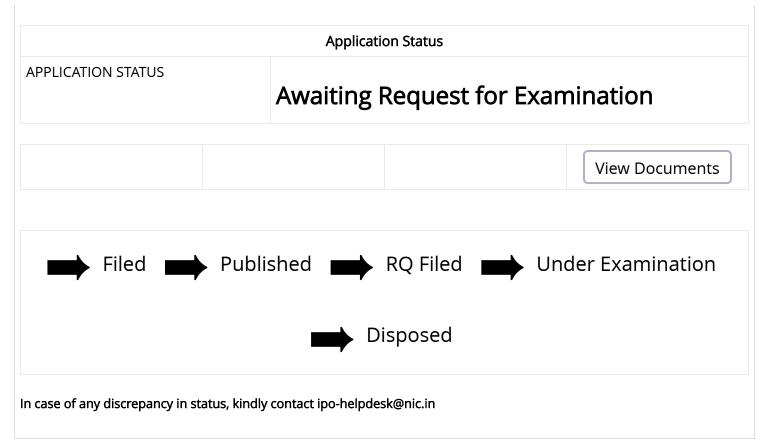
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Application Details				
APPLICATION NUMBER	202241065530			
APPLICATION TYPE	ORDINARY APPLICATION			
DATE OF FILING	16/11/2022			
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TITLE OF INVENTION	CONTROLLING THE RELEASE RATE OF A THERAPEUTIC DRUG USING NANOPARTICLE VESICLES EMBEDDED IN HYDROGEL			
FIELD OF INVENTION	CHEMICAL			
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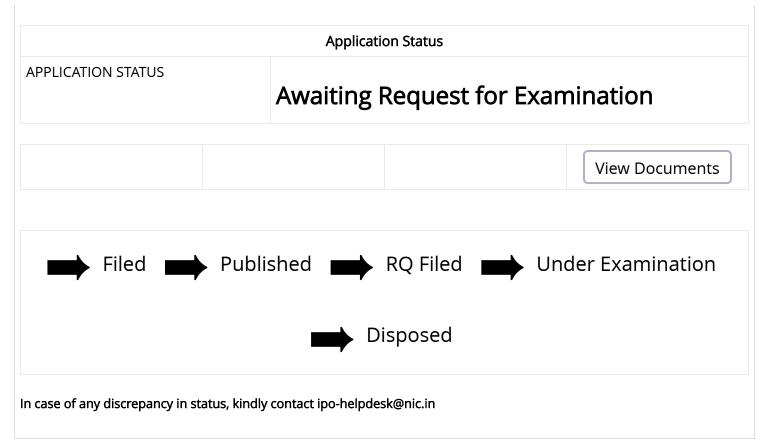




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Application Details				
APPLICATION NUMBER	202241072191			
APPLICATION TYPE	ORDINARY APPLICATION			
DATE OF FILING	14/12/2022			
APPLICANT NAME	 Mr. Darla Raju Mrs. Nityashree Mohapatra Mr. Jiten Mishra Dr. Krishnaraju Venkatesan Ms. Manju Singh Mr. Satendra Kumar Mrs Pallavi Singh Dr. Sandeep Kumar Goyal Mr. Krishan Maurya Ms. Roshani Dr. Megha Tukaram Salve Mr. Chaitanya Balkrishna Khedkar 			
TITLE OF INVENTION	A METHODS AND COMPOSITIONS FOR TREATMENT OF ERECTILE DYSFUNCTION USING REMOTE ISCHEMIC CONDITIONING			
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING			
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APPLICATION NUMBER	202211066124			
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DATE OF FILING	18/11/2022			
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TITLE OF INVENTION	MODULATION OF DRUG RELEASE FROM PH-RESPONSIVE SOFT NANOCOMPOSITES			
FIELD OF INVENTION	CHEMICAL			
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