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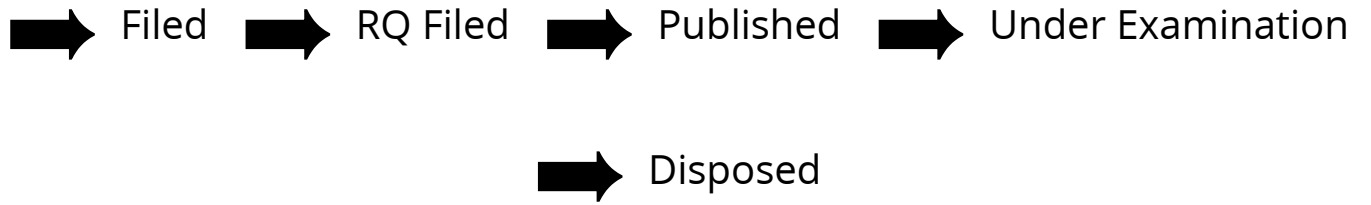
Application Details

APPLICATION NUMBER	202141013005
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/03/2021
APPLICANT NAME	Dr. CHANDRAN KARUNAKARAN
TITLE OF INVENTION	NEURODEGENERATIVE DISEASE BIOMARKER PROTEINS SPECIFIC SYNTHETIC RECEPTORS BASED FUNCTIONAL MOLECULAR POLYPYRROLE IMPRINTED ELECTROCHEMICAL SENSORS
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	ckaru2020@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25/03/2021
PUBLICATION DATE (U/S 11A)	30/09/2022

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(54) Title of the invention : NEURODEGENERATIVE DISEASE BIOMARKER PROTEINS SPECIFIC SYNTHETIC RECEPTORS BASED FUNCTIONAL MOLECULAR POLYPYRROLE IMPRINTED ELECTROCHEMICAL SENSORS

(51) International classification	:G01N0033573000, G01N0033680000, G01N0033543000, A61K0051100000, C12Q0001260000	(71) Name of Applicant : 1)Dr. CHANDRAN KARUNAKARAN Address of Applicant :Head & Associate Professor in Chemistry, Biomedical Research Lab, V.H.N. Senthikumara Nadar Collége(Autonomous), Virudhunagar — 626 001, Tamil Nadu, India. Tamil Nadu India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. CHANDRAN KARUNAKARAN
(33) Name of priority country	:NA	2)MARIMUTHU DHINESH KUMAR
(86) International Application No	:NA	3)MURUGESAN KARTHIKEYAN
Filing Date	:NA	4)GANESAN KANIRAJA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
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(57) Abstract :

Abstract This invention relates to neurodegenerative disease biomarker proteins (DJ-J & SOD1) specific synthetic receptors based fMIP electrochemical sensors to detect and determine DJ-1/SOD1 protein concentrations. The process of developing fMIP sensors comprises of the following essential steps (i) electrosynthesis of conducting functional polypyrrole with DJ-1/SOD1 proteins entrapped in the fMIP matrix on the respective screen printed carbon electrodes by applying cycling potential, (ii) Then the entrapped DJ-1/SOD1 proteins are removed from the matrix under optimum conditions, leaving behind cavities complementary in size, shape and functionality to the DJ-1/SOD1 proteins, (iii) The resulting cavities work as selective binding sites for specific DJ-1/SOD1 proteins, (iv) After incubations of the DJ-1/SOD1 proteins on the fMIP-modified electrodes respective, there were decreases in the $K_3[Fe(CN)_6]/K_4[Fe(CN)_6]$ redox probe peak due to selective binding of DJ-1/SOD1 proteins with the fMIP sensors. The decreases in the anodic/cathodic currents of $K_3[Fe(CN)_6]/K_4[Fe(CN)_6]$ redox probe, which are then converted into interpretable results for the detection and estimation of DJ-1/SOD1 proteins.

No. of Pages : 31 No. of Claims : 4



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Application Details

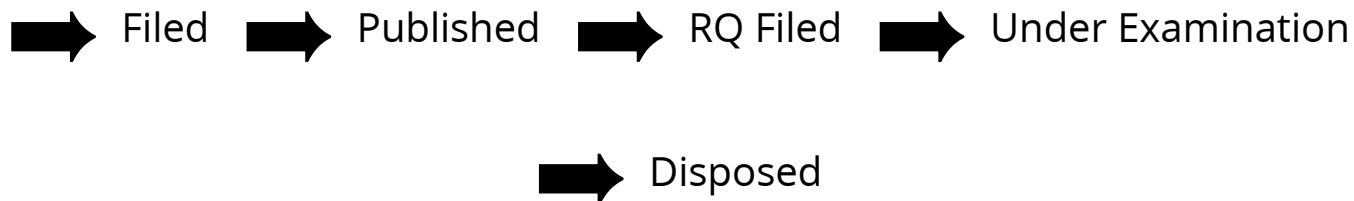
APPLICATION NUMBER	202241007582
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/02/2022
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TITLE OF INVENTION	Method for manufacturing biodegradable polymeric Nanoparticle
FIELD OF INVENTION	CHEMICAL
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/03/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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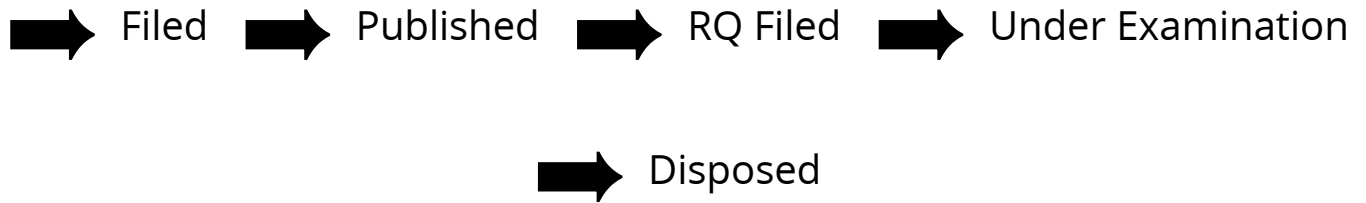
Application Details

APPLICATION NUMBER	202241042442
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/07/2022
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TITLE OF INVENTION	MARKETING STRATEGIES FOR ENTERING A MICRO SERVICES ENTERPRISE IN THE B2B MARKET
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	esdiyeminfotech@gmail.com
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REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/08/2022

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Application Details

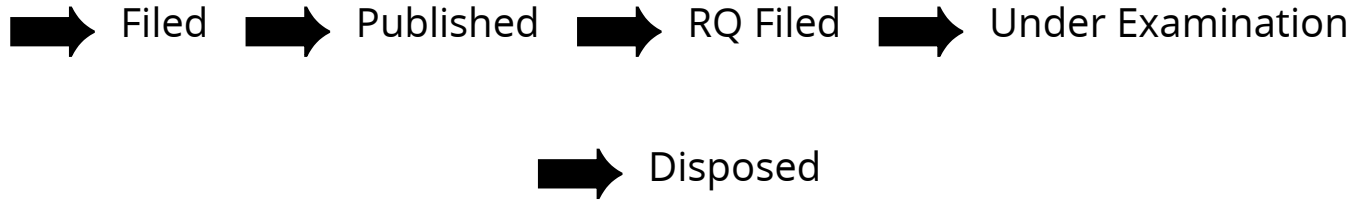
APPLICATION NUMBER	202211046238
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/08/2022
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TITLE OF INVENTION	"Analysis of the scope of occupational stress, its causes, main symptoms, regulation mechanisms and indicators of the impact on the productivity of employees in managerial positions"
FIELD OF INVENTION	COMPUTER SCIENCE
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341036997 A

(19) INDIA

(22) Date of filing of Application :29/05/2023

(43) Publication Date : 16/06/2023

(54) Title of the invention : PLANT-BASED INSECTICIDAL AND ANTIFEEDANT COMPOSITIONS AND METHODS OF USE

(51) International classification :A25C 11/000, A23L 25/000, A24F 4/04200, B29C 45/0000, C10G 03/0000
 (86) International Application No :PC77/
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 (87) International Publication No: NA
 (61) Patent of Addition to Application Number :NA
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 (62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 The present invention relates to plant-based compositions for controlling insect pests and reducing their feeding activity. Specifically, the invention provides a method for extracting plant materials from Calotropis procera and using them to create insecticidal and antifeedant compositions. The compositions can be extracted using solvents such as hexane, chloroform, ethyl acetate, methanol, acetone, and ethanol, and can be effective against a variety of insect pests. The invention also provides a method of controlling insect pests using these compositions, which can be applied to crops or other plants to prevent or reduce insect infestations.

No. of Pages : 13 No. of Claims : 5