

Information pertaining to the Patents
for 2022-2023

2022-2023

Publication/Patent No.	Title	Abstract	Inventors	Application dates	Publication dates	Current assignees	PDF Links	Biblio summary
IN202111054294A	An advance management of iot based farming system and method thereof	The present invention relates to a system and method for the advance management of the IoT based farming system to augment productivity and in the interim mitigating production cost and miniaturizing environmental concussion. The present invention has the potential to provide alternative and optimal land use practices for sustainable economic development.	Chopra Khyati Alam Afshar M	2021-11-24	2022-02-04	JAMIA HAMDARD	Open	Open

		Smart-game based farming has the budding edge in providing sustainable economic development. Game farming is economically viable, nevertheless it confides on sterling management and market privileges.						
IN202211008260A	An ai-ml based method and system for mitigating prognostic reverberation of virus exposure	Provided is a method for mitigating prognostic reverberation of virus exposure. The method comprises identifying a user by reading a user's Smart ID card and capturing a face image of the identified user. The method further comprises determining whether the identified user has worn a protective shield on his face based on the captured image and further	Chopra Khyati Eqbal Mohd Fahad Raza Ahmad Faraz Alam Afshar M	2022-02-16	2022-03-11	JAMIA HAMDARD	Open	Open

		<p>performing a sanitization operation for sanitizing hands of the user when it is determined that the identified user has worn the protective shield. Furthermore, the method comprises allocating covi-points to the identified user based on at least one of a result of the determination, a plurality of parameters associated with the sanitization operation, information regarding the vaccination status of the identified user, and thereafter determining the identified user is in a safe state when an average of the allocated covi-points exceeds a predefined threshold value.</p>						
IN202111059333A	A formulation comprising protein assembled nano-	The present invention relates to a protein	Fatima Saman Samim M	2021-12-20	2022-06-03	JAMIA HAMDARD	Open	Open

	<p>vehicle encapsulating neuro therapeutic agent and method for preparation thereof</p>	<p>assembled nano-vehicle based pharmaceutical formulation encapsulating neurotherapeutic agent and a method for preparation thereof. The formulation of the present invention comprises a polymer, a neurotherapeutic agent, a cross linking agent, a peptide, a lyoprotectant and a solvent. The present invention also relates to a process for preparing a nanoformulation. The steps involved in preparation of the nanoformulation may include a) preparing a neurotherapeutic agent encapsulated protein assembled nano-vehicle, b) surface coating of the protein assembled nano-</p>	<p>Parvez Suhel Abdin M Z Ahmad Farhan Jalees</p>					
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		vehicle encapsulating neurotherapeutic agent, and (c) preparing saline solution of the surface coated protein assembled nano-vehicle encapsulating neurotherapeutic agent for intraperitoneal injection.						
IN202211062870A	Canagliflozin-ascorbic acid cocrystal and its method of preparation	The present invention relates to the canagliflozin-ascorbic acid cocrystal and its method of preparation. The crystal engineering approach has been used to prepare the cocrystal of Canagliflozin, a SGLT2 (Sodium-Glucose Co-Transporter 2) inhibitors using ascorbic acid. Novel cocrystal has been prepared by slurry method in 1:1 stoichiometry ratio using ethyl acetate as solvent.	Haneef Jamshed Neelofar Sharma Aastha	2022-11-03	2023-02-03	JAMIA HAMDARD	Open	Open

IN202111028516A	A herbal formulation for immune modulation and method of preparation thereof	The present invention relates to a herbal formulation in desired ratio which possesses immunomodulatory activity by enhancing non-specific immunity, while repressing pro-inflammatory cytokines. The said herbal formulation has anti-oxidant property and is shown to improve symptoms related to low immunity. The said formulation is in the form of extract, powder, granules, tablets or capsules.	Abida Parveen Sultan Zahiruddin Bushra Praveen Ansari SH Sayeed Ahmad	2021-06-25	2023-02-24	JAMIA HAMDARD	Open	Open
IN202111022162A	An herbal formulation for management of neurodegenerative disorders and a method of preparation thereof	The present invention relates to an herbal formulation comprising of aqueous extracts of Withania somnifera and Myristica fragrans which provides a synergistic combination for learning and	Khan Maaz Ahmad Srivastava Varsha Mohammed Ibrahim Parveen Rabea Sayeed Ahmad	2021-05-17	2023-03-10	JAMIA HAMDARD	Open	Open

		memory for the management of Alzheimer's disease and also shows antioxidant activity and further provides a method of preparation thereof.						
Publication/Patent No.	Title	Abstract	Inventors	Application dates	Publication dates	Current assignees	PDF Links	Biblio summary
IN202111044966A	Cationic conjugates of non-steroidal anti-inflammatory drugs with enhanced antibacterial efficacy	The present invention relates to a cationic conjugates of non-steroidal anti-inflammatory drugs with enhanced antibacterial efficacy having general formula I comprising a nonsteroidal anti-inflammatory chemical element (preferably NSAIDs) used as a base chemical element because of anti-microbial activities thereof against plurality	Dewangan Rikeshwer Prasad Mahto Aman Kumar Yar Mohammad Shahar	2021-10-04	2023-04-07	JAMIA HAMDARD UNIVERSITY	Open	Open

		<p>of microorganisms, at least one polyamine (preferably spermine) attached to said nonsteroidal antiinflammatory chemical element for making them amphiphilic and boosting up antibacterial properties thereof. The designed molecules can be synthesized and purified by Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and used to perform antibacterial activity against plurality of drug-resistant bacteria including but not limited to H. pylori, M. tuberculosis, M. smegmatis, fungi, gram-</p>					
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		positive, and gram-negative bacteria.						
IN202111046805A	Diversity oriented novel capsaicinoids as anti-cancer and ciprofloxacin potentiating agents	The present invention relates to novel capsaicinoids for anti-cancer activity and their potentiating activity of ciprofloxacin. More particularly, this invention relates to diverse library of novel synthesized capsaicinoids via one point, two point and three-point modifications around the capsaicin scaffold where modification is done at hydroxyl position of the vanillyl group and other at the hydrophobic long chain of capsaicin. The present invention has developed small molecules with high affinity	Shafi Syed Khan Arif Naaz Fatima Ali Intzar	2021-10-13	2023-04-21	JAMIA HAMDARD	Open	Open

		ligands which are potential molecules for the treatment of Cancer and multi-drug resistant bacterial infections of S. aureus. The compounds prepared according to the present invention were screened for in vitro anti-proliferative activity at one dose (10 µM) against 60 cancer cell lines under nine different cancer cell types.						
IN202311027762A	Phospholipon 90g complex tagged zoledronate loaded solid-lipid nanoparticles for the treatment of postmenopausal osteoporosis	The present invention relates to solid lipid nanoparticle composition for treating post-menopausal osteoporosis. The invention particularly discloses phospholipon 90G complex tagged	Sultana Yasmin Mohd Aqil Solanki Pavitra Mohd Danish Ansari Kumar Pramod	2023-04-15	2023-05-19	JAMIA HAMDARD UNIVERSITY	Open	Open

		<p>Zoledronate loaded lipid nanoparticles. The phospholipon 90G is used as a complexing agent for enhancing the solubility of sparingly soluble zoledronate. In the present invention the solubility of zoledronate in lipid was greatly enhanced 20-40 times by the PI complex. The entrapment efficiency in the present invention increases upto 80-95% on increasing the concentration of lipid from 30-50 mg. The drug loading was enhanced from 8 to 13%. The present invention also shows that the bioavailability of ZL-PLc SLN enhances after</p>					
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		<p>complexing with Phospholipon 90G loaded Solid Lipid Nanoparticles. The cumulative drug flux for ZL-PLc SLN is found to be in the range of 25000-3000 µg/cm² /min. The invention also provides more than 80% drug release from Zoledronate-Phospholipon 90G Complex loaded solid lipid nanoparticles for 24 hours.</p>						
IN202111052390A	<p>Immunomodulatory and anti-map potential of synergistic herbal formulation and method of preparation thereof</p>	<p>The present invention relates to anti-mycobacterial, immune-modulatory and anti-inflammatory activity of a synergistic herbal formulation against Mycobacterium avium subspecies</p>	<p>Singh Shoor Vir Ahmad Sayeed Gupta Saurabh Srivastava Varsha Navabharath Manthena</p>	2021-11-15	2023-05-19	JAMIA HAMDARD GLA UNIVERSITY	Open	Open

		<p>paratuberculosis (MAP) infection. The herbal formulation comprises of hydroalcoholic extracts of Ocimum sanctum and Solanum xanthocarpum in a desired ratio. The invention also discloses a method for the preparation of said formulation. The formulation synergistically helps in the management of Mycobacterium avium subspecies paratuberculosis (MAP) infection.</p>						
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