

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211008745 A

(19) INDIA

(22) Date of filing of Application :19/02/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : A PHARMACEUTICAL FORMULATION COMPRISING BIOPOLYMER FROM LAGENARIA SICERARIA AS DRUG-DELIVERY VEHICLE

<p>(51) International classification :A61K0009000000, A61K0036420000, A61F0011000000, A61K0047440000, A61K0036732000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p><b>2)Chitkara Innovation Incubator Foundation</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)RAINA, Deepika</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p><b>2)SINGH, Siddharth</b> Address of Applicant :LIG 484, Awas Vikas Colony, DM Road, Bulandshahr, Uttar Pradesh - 203001, India. -----</p> <p><b>3)SHARMA, Buntty</b> Address of Applicant :Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala, Haryana - 133207, India. ----- -----</p>
---	---

(57) Abstract :

The present invention relates to a drug delivery system comprising biomaterial isolated from Lagenaria siceraria, which is biodegradable and eco-friendly. More specifically, the invention relates to a bionanoparticle-based pharmaceutical formulation comprising chlorpromazine-loaded biopolymer isolated from Lagenaria siceraria for brain targeting via ear; and a method for preparing the same.

No. of Pages : 33 No. of Claims : 10