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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : EVALUATION OF NOOTROPIC POTENTIAL OF LAGENARIA SICERARIA FRUITS ETHANOLIC EXTRACT

<p>(51) International classification :A23L0033105000, A61K0036420000, A23L0033100000, A23L0033115000, A61K0031190000</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 : 1)Mr. Dinesh Kumar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 2)Dr. Sushil Kumar 3)Mr. Anesh Sagar 4)Mr. Raj Kumar Singh Bharti 5)Mr. Amit Kumar 6)Dr. Amrita Mishra 7)Dr. Phool Chandra 8)Dr. Varsha Raj 9)Dr. Arvind Kumar 10)Dr. Harpreet Singh 11)Dr. Arun Kumar Mishra Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Mr. Dinesh Kumar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 2)Dr. Sushil Kumar Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 3)Mr. Anesh Sagar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 4)Mr. Raj Kumar Singh Bharti Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 5)Mr. Amit Kumar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 6)Dr. Amrita Mishra Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 7)Dr. Phool Chandra Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 8)Dr. Varsha Raj Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 MOradabad ----- 9)Dr. Arvind Kumar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 10)Dr. Harpreet Singh Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad ----- 11)Dr. Arun Kumar Mishra Address of Applicant :Professor, Central Facility of Instrumentation, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----</p>
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(57) Abstract :
The present invention relates to evaluate the nootropic potential of lagenaria siceraria fruit extract in cognitive impaired animal models to claim its traditional us. Pretreatment for 21 days with LSEE at the dose of 200 and 400 mg/kg significantly increased the memory in cognitive impaired animals as compared to control group tested by Elevated plus maze and Step through passive avoidance test. From the results it concluded that the Nootropic potential of the Lagenaria siceraria fruit extract in cognitive impaired animal models is due to its direct memory enhancing activity, tested on elevated plus maze and step through passive avoidance apparatus, along with this, the significant AChE inhibiting and antioxidant property of the extract potentiates its memory enhancing activity. This relevant pharmacological activity of the LSEE may be due to presence of flavonoids and phenolic compounds in the extract.

No. of Pages : 19 No. of Claims : 5