

(54) Title of the invention : EVALUATION OF NOOTROPIC POTENTIAL OF LAGENARIA SICERARIA FRUITS ETHANOLIC EXTRACT

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(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 -----

(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.

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