

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 33/2022
ISSUE NO. 33/2022

शुक्रवार
FRIDAY

दिनांक: 19/08/2022
DATE: 19/08/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211044739 A

(19) INDIA

(22) Date of filing of Application :05/08/2022

(43) Publication Date : 19/08/2022

(54) Title of the invention : ANTI-HYPERLIPIDEMIC INVESTIGATIONS OF LITCHI CHINENSIS IN RATS

(51) International classification :A61K0036770000, A01N0065000000, A23L0033105000, A61K0008970000, A61K0031220000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Ms. Km Monika

Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----

2)Dr. Navneet Verma

3)Mr. Vipul Kumar

4)Ms. Neetu Singh

5)Ms. Swati Gautam

6)Mr. Raj Kumar Singh Bharti

7)Mr. Vivek Kumar

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Ms. Km Monika

Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----

2)Dr. Navneet Verma

Address of Applicant :Professor, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----

3)Mr. Vipul Kumar

Address of Applicant :Assistant Professor, GMS College of Pharmacy, Rajabpur, Sakarpur, Amroha, Uttar Pradesh - 244102 Amroha -----

4)Ms. Neetu Singh

Address of Applicant :Assistant Professor, Shree Satya college of higher education , Moradabad, Uttar Pradesh - 244102 Moradabad -----

5)Ms. Swati Gautam

Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----

6)Mr. Raj Kumar Singh Bharti

Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh - 244102 Moradabad -----

7)Mr. Vivek Kumar

Address of Applicant :Assistant Professor, MET Faculty of Pharmacy, Moradabad, Uttar Pradesh - 244102 Moradabad -----

(57) Abstract :

The present invention relates to the preparation of extract of litchi chinensis which is a plant with a wide variety of ethnic medicinal uses, hence it is planned to screen anti-hyperlipidemic action by taking model- Triton-X-100 induced hyperlipidemia in rats. The ethanolic extract of pericarp of this plant was used to evaluate on above mentioned model. Anti-hyperlipidemic study was performed on model: Triton-X-100 method taking Atorvastatin as a standard and by using oral low dose high dose i.e., 200mg/kg and 400mg/kg of extract. The low and high doses of extract were found significant in reducing total cholesterol and triglycerides against different models of hyperlipidemia induced in rats. Both the doses of extract provide protection against atherosclerosis. The result provides strong evidence to support that the ethanolic extract of pericarp of Litchi chinensis possess Antihyperlipidemic activity as well as it is entirely safe for longer duration of treatment.

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