

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 32/2024
ISSUE NO. 32/2024

शुक्रवार
FRIDAY

दिनांक: 09/08/2024
DATE: 09/08/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/07/2024

(21) Application No.202411055475 A

(43) Publication Date : 09/08/2024

(54) Title of the invention : PHARMACOGNOSTICAL EVALUATION OF CUSCUTA REFLEXA ROXB

(51) International classification :A61K0036430000, A61K0036390000, A23L0033105000, C12P0019340000, A61P0029000000

(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. Neha Saxena

Address of Applicant :Assistant Professor, MIT College of Pharmacy, MIT Campus, (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Ram Ganga Vihar Phase-II, Moradabad, U.P., Pin: 244001 -----

2)Ms. Sneha Rawat

3)Ms. Sakshi Singh

4)Mr. Mohit pal

5)Mr. Pawan Singh

6)Mr. Himanshu Mehra

7)Mr. Vivek Upadhyay

8)Mr. Amit Kumar

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Ms. Neha Saxena

Address of Applicant :Assistant Professor, MIT College of Pharmacy, MIT Campus, (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Ram Ganga Vihar Phase-II, Moradabad, U.P., Pin: 244001 -----

2)Ms. Sneha Rawat

Address of Applicant :Assistant Professor, MIT College of Pharmacy, MIT Campus, (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Ram Ganga Vihar Phase-II, Moradabad, U.P., Pin: 244001 -----

3)Ms. Sakshi Singh

Address of Applicant :Assistant Professor, Sahu onkar saran school of pharmacy, IFTM University, Moradabad, Uttar Pradesh, India, 244102. -----

4)Mr. Mohit pal

Address of Applicant :Assistant Professor, Jbit college of pharmacy, Chakrata road, dehradun- 248197 -----

5)Mr. Pawan Singh

Address of Applicant :Assistant Professor, Faculty of Pharmaceutical Sciences, Amrapali University, Shiksha Nagar, Lamachaur, Kaladhungi Road, Haldwani-263139, Distt. - Nainital (Uttarakhand) -----

6)Mr. Himanshu Mehra

Address of Applicant :Assistant Professor, Accurate College of Pharmacy, Knowledge park 3, Greater Noida, Uttar Pradesh (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Pin: 201306 -----

7)Mr. Vivek Upadhyay

Address of Applicant :Assistant Professor, Accurate College of Pharmacy, Knowledge park 3, Greater Noida, Uttar Pradesh (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Pin: 201306 -----

8)Mr. Amit Kumar

Address of Applicant :Assistant Professor, MIT College of Pharmacy, MIT Campus, (Affiliated to Dr. A.P.J. Abdul Kalam Technical University), Ram Ganga Vihar Phase-II, Moradabad, U.P., Pin: 244001 -----

(57) Abstract :

ABSTRACT The present invention relates to relates to pharmacognostical evaluation of Cuscuta reflexa Roxb. The pharmacognostical evaluation of Cuscuta reflexa Roxb focuses on the identification, extraction, and quantification of bioactive compounds within Cuscuta reflexa. The invention employs advanced analytical techniques such as HPLC, MS, and NMR spectroscopy to establish a comprehensive phytochemical profile. It also includes rigorous quality control parameters to ensure consistency, safety, and efficacy of standardized extracts and formulations. Bioactivity assessments cover anti-inflammatory, antioxidant, hepatoprotective, and antimicrobial properties through in vitro and in vivo studies. The evaluation of Cuscuta reflexa Roxb develops formulations that enhance the stability, bioavailability, and therapeutic efficacy of Cuscuta reflexa extracts while ensuring regulatory compliance with international standards. The present innovation provide bridges over traditional knowledge with modern scientific validation, promoting the effective integration of Cuscuta reflexa into contemporary healthcare as a reliable and potent herbal medicine.

No. of Pages : 24 No. of Claims : 8