

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 47/2023
ISSUE NO. 47/2023

शुक्रवार
FRIDAY

दिनांक: 24/11/2023
DATE: 24/11/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2023

(21) Application No.202311073632 A

(43) Publication Date : 24/11/2023

(54) Title of the invention : FORMULATION, DEVELOPMENT, AND EVALUATION OF POLYMERIC NANO CAPSULES INCORPORATED WITH COCCINIA GRANDIS EXTRACT FOR THE TREATMENT OF ASTHMA

(51) International classification :A61P0011060000, A61K0039000000, A61B0005070000, A61K0036752000, G01R0033560000
(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)Dr. Bhawna Sharma
Address of Applicant :Assistant Professor, Institute of Pharmacy, Bundelkhand University, Jhansi, Uttar Pradesh, India -----
2)Dr. Upendra Kumar Sharma
3)Sapnarani Babasaheb Nalawade
4)Mr. Niranjana Satyanarayan Tiwari
5)Vipin Rao Sonkar
6)Ayush Katayyan
7)Ashutosh Kumar
8)B. Rajgopal
9)Ashwini Kumar Mishra
10)Kumari Shanno
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Bhawna Sharma
Address of Applicant :Assistant Professor, Institute of Pharmacy, Bundelkhand University, Jhansi, Uttar Pradesh, India -----
2)Dr. Upendra Kumar Sharma
Address of Applicant :Assistant Professor, Institute of Pharmacy, Bundelkhand University, Jhansi, Uttar Pradesh, India -----
3)Sapnarani Babasaheb Nalawade
Address of Applicant :Assistant Professor, Dr. Vedprakash Patil Pharmacy College, Georai Tanda, Chhatrapati Sambhaji Nagar -----
4)Mr. Niranjana Satyanarayan Tiwari
Address of Applicant :Assistant Professor, Shantiniketan College of Pharmacy, A/P Dhotre, Tal. Partner, Dist. Ahmednagar -----
5)Vipin Rao Sonkar
Address of Applicant :Assistant Professor, Rameshwaram Institute of Technology and Management Sitapur Rd, Opposite AKTU Campus, Govind Puram, Lucknow, Uttar Pradesh 227202 -----
6)Ayush Katayyan
Address of Applicant :Assistant Professor, Narayan Institute of Pharmacy, Gopal Narayan Singh University, Jamuhar, Bihar -----
7)Ashutosh Kumar
Address of Applicant :Research Scholar, Rameshwaram Institute of Technology and Management Sitapur Rd, Opposite AKTU Campus, Govind Puram, Lucknow, Uttar Pradesh 227202 -----
8)B. Rajgopal
Address of Applicant :Associate Professor, Rungta College of Pharmaceutical Sciences and Research, Bhilai -----
9)Ashwini Kumar Mishra
Address of Applicant :Research Scholar, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR), Delhi Pharmaceutical Sciences and Research University, New Delhi -----
10)Kumari Shanno
Address of Applicant :Research Scholar, Department of Pharmacy, Bansthali Vidyapith, Tonk Road Niwaru, 304022 -----

(57) Abstract :

This invention presents Formulation, development, and evaluation of polymeric nano capsules incorporated with coccinia grandis extract for the treatment of asthma. The present invention comprising of performing in vitro experiments to evaluate the kinetics of drug release and assess cytotoxic effects, conducting in vivo experiments using relevant animal models to assess the nano capsules' effectiveness in alleviating asthma symptoms and analysing the collected data to gauge the therapeutic promise of the nano capsules in managing asthma. Further, the in-vivo investigations encompass the evaluation of parameters such as inflammation, bronchodilation, and pulmonary function. Accompanied Drawing [FIG. 1-2]

No. of Pages : 18 No. of Claims : 8