

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 17/2022
ISSUE NO. 17/2022

शुक्रवार
FRIDAY

दिनांक: 29/04/2022
DATE: 29/04/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : DEVELOPMENT AND EVALUATION OF POLYHERBAL FORMULATION FOR TREATMENT OF HYPERLIPIDAEMIA

<p>(51) International classification :A61K0036470000, A61K0036906800, H04N0019610000, H04N0019460000, G11B0027300000</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 :</p> <p>1)Mr. Deepak Singh Chaudhary Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>2)Dr. Phool Chandra</p> <p>3)Dr. Navneet Verma</p> <p>4)Dr. Sushil Kumar</p> <p>5)Dr. Pawan Singh</p> <p>6)Dr. Vijay Sharma</p> <p>7)Mr. Alankar Shrivastav</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Deepak Singh Chaudhary Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>2)Dr. Phool Chandra Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>3)Dr. Navneet Verma Address of Applicant :Director & Dean, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>4)Dr. Sushil Kumar Address of Applicant :Professor & Director, School of Pharmaceutical Sciences, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>5)Dr. Pawan Singh Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>6)Dr. Vijay Sharma Address of Applicant :Associate Professor, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p> <p>7)Mr. Alankar Shrivastav Address of Applicant :Assistant Professor, Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road (NH-24), Moradabad, Uttar Pradesh - 244102 -----</p>
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(57) Abstract :

The present invention relates to the preparation of polyherbal formulation of Euphorbia hirta Linn and Zingiber officinale for the treatment of hyperlipidaemia. In this study results showed that compared to that of normal control group, Serum TG, TC, LDL, VLDL levels were significantly elevated in HFD fed rats (HFD group) and decreased in HFD+AEEH, HFD+AEZO and HFD+(AEEH+AEZO) treated group more than that of HFD fed group; indicating potential lipid lowering activity of the test drug. This study also showed that body weight gain in HFD group was increased more than of normal group, significantly decreased in HFD+AEEH, HFD+AEZO and HFD+(AEEH+AEZO) treated group. The results obtained in the present study established that high-fat diet causes hepatocellular damage, as clearly seen by the marked elevation of serum enzymes (SGOT and SGPT) activities. However, the role of extracts of Euphorbia hirta and Zingiber officinale in preventing liver damage caused by high-fat diet.

No. of Pages : 16 No. of Claims : 6