

(54) Title of the invention : PHARMACOLOGICAL EVALUATION OF ANTI DIABETIC AND ANTI HYPERTENSIVE ACTIVITY FROM EDIBLE SEEDS

<p>(51) International classification :A61P0003040000, A23L0033105000, A61P0003060000, A61K0033000000, A61P0025000000</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 : 1)Dr. B. Lavanya Address of Applicant :Professor, Department of Pharmacognosy, Sree Sashta Pharmacy College, Chembarabakkam, Chennai – 600123 -----</p> <p>2)Mr. Rohit 3)Dr. Imran Ataurrahman Sheikh 4)Mrs. Aggarapu Susmitha 5)Mr. Mohammed Aatif Khan Rizwan khan 6)Mr. Gyanendra Dubey 7)Mrs. P.V.Hemalatha 8)Mr. Usama 9)Ms. Mhetre Rani Mallinath 10)Dr. Mukesh Kumar Meena 11)Mr. Gadge Shubham Chandrakant 12)Mrs. Kavita Yogesh Pawar</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. B. Lavanya Address of Applicant :Professor, Department of Pharmacognosy, Sree Sashta Pharmacy College, Chembarabakkam, Chennai – 600123 -----</p> <p>2)Mr. Rohit Address of Applicant :Assistant Professor, RKSD College of Pharmacy, Kaithal (Haryana), Pin code:- 136027 -----</p> <p>3)Dr. Imran Ataurrahman Sheikh Address of Applicant :Associate Professor, Anjuman I Islam's Kalsekar Technical Campus School of Pharmacy, Plot No.2 and 3 Sector 16, Khandagao, Near Thana Naka, New Panvel, Navi Mumbai, Maharashtra -410206 -----</p> <p>4)Mrs. Aggarapu Susmitha Address of Applicant :Associate Professor, Dept. of Pharmaceutical Analysis, Annamacharya College of Pharmacy, Rajampet, Annamayya District, A.P., India -----</p> <p>5)Mr. Mohammed Aatif Khan Rizwan khan Address of Applicant :Assistant Professor, JMCT Institute of Pharmacy, Wadala road, Nashik, Maharashtra, Pin code:- 422006 -----</p> <p>6)Mr. Gyanendra Dubey Address of Applicant :Associate Professor, PMT College of Pharmacy, Majaruddinpur, Ayodhya, Uttar Pradesh, Pin code:-224207 -----</p> <p>7)Mrs. P.V.Hemalatha Address of Applicant :Principal and Professor, KMR College of Pharmacy, Perundurai, Erode District, Tamilnadu, Pin code:- 638052 -----</p> <p>8)Mr. Usama Address of Applicant :Lecturer, Faculty of Pharmacy, Integral University, Dasauli Kursi Road Lucknow, Uttar Pradesh, Pin code:- 226026 -----</p> <p>9)Ms. Mhetre Rani Mallinath Address of Applicant :Assistant Professor, Ameerpurva Forums Nirant Institute of Pharmacy, Boramani, Solapur and Research Scholar at Sunrise University, Alwar, Rajasthan -----</p> <p>10)Dr. Mukesh Kumar Meena Address of Applicant :Assistant Professor, Department of Pharmaceutical Sciences, Mohanlal Sukhadia University, Udaipur, Rajasthan 313001 -----</p> <p>11)Mr. Gadge Shubham Chandrakant Address of Applicant :Assistant Professor, Samarth Institute of Pharmacy Belhe, A/p Bangarwadi Belhe, Maharashtra, Pin code:- 412411 -----</p> <p>12)Mrs. Kavita Yogesh Pawar Address of Applicant :Assistant Professor, Khandesh College Education Society's Institute of Management & Research, Jalgaon IMR Campus, Behind DIC, NH-6, Ganesh Colony, Jalgaon, Maharashtra 425001, India -----</p>
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(57) Abstract :

The invention pertains to methods and compositions focused on harnessing the anti-obesity potential of plants of natural origin. It introduces a systematic approach to evaluate the therapeutic properties of these plants using rodents subjected to a high-fat diet as a model. The invention encompasses processes for identifying plants with potential anti-obesity effects, extracting and standardizing their bioactive compounds, and subsequently administering these extracts to diet-induced obese rodent models. The outcomes are measured across various parameters like weight management, lipid profiles, and metabolic health. This integrative approach seeks to combine traditional plant wisdom with modern scientific methodologies, potentially paving the way for innovative, natural, and effective anti-obesity interventions. Accompanied Drawing [FIGS. 1-2]

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