

Published Patent Details 2024-2025

Sr. No	Name of Faculty	Name of Authors	Title	Publication	Date of / Grant/ Publication / Filing
1	Aishwarya S. Patil, Dr. Devendra S. Shirode, Dr. Ashish V. Kulkarni	Ms. Mayuri Dhurve, Ms. Mayuri Padwal, and Mr. Miten Joshi	Polyherbal Lipid-Lowering Therapy to Combat Hyperlipidaemia in Rats	India 202421084942 A	29/11/2024

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202421084942 A

(19) INDIA

(22) Date of filing of Application :06/11/2024

(43) Publication Date : 29/11/2024

(54) Title of the invention : "POLYHERBAL LIPID-LOWERING THERAPY TO COMBAT HYPERLIPIDAEMIA IN RATS"

(51) International classification	:A61K36/185, A61K36/87, A61K36/68, A61P3/06, A61P39/06	(71)Name of Applicant : 1)Ms. Aishwarya Sambhaji Patil Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 2)Dr. Devendra Shriram Shirode 3)Dr. Ashish Vilas Kulkarni 4)Ms. Mayuri Santosh Dhurve 5)Ms. Mayuri Hanamant Padwal 6)Mr. Miten Waman Joshi Name of Applicant : NA Address of Applicant : NA
(86) International Application No	:NA	(72)Name of Inventor : 1)Ms. Aishwarya Sambhaji Patil Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 2)Dr. Devendra Shriram Shirode Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 3)Dr. Ashish Vilas Kulkarni Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 4)Ms. Mayuri Santosh Dhurve Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 5)Ms. Mayuri Hanamant Padwal Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India ----- 6)Mr. Miten Waman Joshi Address of Applicant :Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune 411044 Maharashtra, India -----
(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	

(57) Abstract :

Hyperlipidaemia is a disorder of lipid metabolism 5 and a significant risk factor for obesity and cardiovascular diseases, affecting millions globally. This study develops and evaluates a polyherbal formulation of Cissus quadrangularis, Picrorhiza kurroa, and Combretum indicum (1:1:1 ratio) for its antihyperlipidemic effects. Preliminary screening identified phenolic acids, flavonoids, and tannins in 10 the formulation. Acute toxicity tests determined safe doses of 200 mg/kg and 400 mg/kg. After inducing hyperlipidaemia in rats with Triton X-100, treatment with the polyherbal elixir for seven days resulted in significant normalization of body weight, BMI, lipid profiles, and liver enzymes. The study supported the antihyperlipidemic effects, indicating the formulation's potential due to its active 15 phytochemicals.

No. of Pages : 17 No. of Claims : 8