

(54) Title of the invention : A METHOD FOR EXTRACTION OF GARCINIA INDICA LEAF EXTRACT AND EVALUATION OF THE ANTI-DIABETIC ACTIVITY THEREOF

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(71)Name of Applicant :
1)Yagnambhatla Rajendra
 Address of Applicant :Research Scholar Gitam institute of pharmacy, Gandhi Nagar, Rushikonda, Visakhapatnam, Andhra Pradesh 530045 -----
2)Dr Rama Narsimha Reddy Anreddy
3)Dr. V. Kishor Kumar
4)Dr.R.Sanilkumar
5)Dr.Palanisamy Sivanandy
6)Dr.Merlin.N.J
7)Prof. Mahesh Bhanudas Narkhede
8)Dr. Sreejith M
9)Dr. P.Thirupathy Kumaresan
10)Dr.K. Sumathi
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Yagnambhatla Rajendra
 Address of Applicant :Research Scholar Gitam institute of pharmacy, Gandhi Nagar, Rushikonda, Visakhapatnam, Andhra Pradesh 530045 -----
2)Dr Rama Narsimha Reddy Anreddy
 Address of Applicant :Professor and Principal CVM College of Pharmacy, Velichala, Ramadugu, Karimnagar 505451 Telangana -----
3)Dr. V. Kishor Kumar
 Address of Applicant :Professor and Head, Department of Pharmacognosy, J.K.K.N College of Pharmacy,Natarajapuram, NH- 544, (Salem to Coimbatore), Kumarapalayam 638 183. Namakkal District, Tamil Nadu. -----
4)Dr.R.Sanilkumar
 Address of Applicant :Assistant professor, Department of pharmacy, Annamalai university, Chidambaram 608002. Tamil Nadu -----
5)Dr.Palanisamy Sivanandy
 Address of Applicant :Programme Director-MPP, Department of pharmacy Practice, School of pharmacy, International medical university, BJcampus, No126, Jalan Jalil perkasa19, Bukit Jalil 57000, Kuala Lumpur, Malaysia -----
 --
6)Dr.Merlin.N.J
 Address of Applicant :Professor and Head Department of pharmacology Ezhuthachan college of pharmaceutical sciences , Marayamuttom, Trivandrum Kerala -----
7)Prof. Mahesh Bhanudas Narkhede
 Address of Applicant :Asst. Professor and HOD Department of Pharmacology, Dr Rajendra Gode College of Pharmacy, Malkapur Dist.: Buldana-443101 Maharashtra -----
8)Dr. Sreejith M
 Address of Applicant :Professor & Head Dept of Pharmaceutical Analysis, Nazareth college of Pharmacy, Kerala -689546 -----
9)Dr. P.Thirupathy Kumaresan
 Address of Applicant :Professor & Head of Dept of Pharmacology Arulmigu Kalsalingam College of Pharmacy, Krishnankoil 626136 Tamil Nadu -----

10)Dr.K. Sumathi
 Address of Applicant :JKKMMRFS Annai jkk Sampoorani ammal college of Pharmacy, Komarapalayam, Tamil Nadu -----

(57) Abstract :
 ABSTRACT A METHOD FOR EXTRACTION OF GARCINIA INDICA LEAF EXTRACT AND EVALUATION OF THE ANTI-DIABETIC ACTIVITY THEREOF The present disclosure relates to method for extracting Garcinia indica leaf methanolic extract and the evaluation of its anti-diabetic activity. The method involves collecting, drying and grinding of Garcinia indica leaves, followed by Soxhlet extraction in methanol. The resulting extract is filtered and the solvent is removed by distillation in a rotary evaporator to obtain solid residue. This extract is used for evaluation of acute toxicity and anti-diabetic activity in adult albino wistar rat model with Alloxan induced diabetes using Glibenclamide (5 mg/kg) as standard treatment. Anti-diabetic activity was evaluated by measurement of blood sugar levels. (FIG. 1 will be the reference figure)

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