

(12) PATENT APPLICATION PUBLICATION

(21) Application No.718/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 22/08/2014

(54) Title of the invention : DRUG FOR TREATMENT OF DIABETES AND DIABETIC FOOT ULCER USING RUTIN LOADED SOLID LIPID NANOPARTICLES

(51) International classification

:A61K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(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)K. SATYAVANI**

Address of Applicant :CENTRE OF ADVANCED STUDY IN  
MARINE BIOLOGY, FACULTY OF MARINE SCIENCES,  
ANNAMALAI UNIVERSITY, PARANGIPETTAI - 608 502  
Tamil Nadu India

**2)T. RAMANATHAN**

**3)S. GURUDEEBAN**

**4)T. BALASUBRAMANIAN**

(72)Name of Inventor :

**1)K. SATYAVANI**

**2)T. RAMANATHAN**

**3)S. GURUDEEBAN**

**4)T. BALASUBRAMANIAN**

(57) Abstract :

The inventive subject matter relates to an anti-diabetic drug that would be used in the therapeutics treatment of diabetes and diabetic foot ulcer. More specifically the invention relates to the process of isolation of Rutin from Excoecaria agallocha and synthesize Rutin loaded solid lipid nano particles (SLNp). The novel formulation thus obtained can be used for therapeutics treatment of diabetes and diabetic foot ulcer in the form of oral drug to treat diabetes and in the form of ointment to treat diabetic foot ulcer.

No. of Pages : 15 No. of Claims : 9