

(54) Title of the invention : HALYMENIA PORPHYROIDES BASED BIOSYNTHESIZED NANOPARTICLE COMPOSITION FOR DIABETES

<p>(51) International classification :A61K0009140000, H05K0001090000, C10L0001020000, A61K0045060000, A61K0009127000</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 :  <b>1)Dr.Vishnu Kiran Manam</b>  Address of Applicant :Scientist - R&amp;D, Technical, Hybrid Ebi hatcheries Pvt Ltd, Bmr Group, Anumadaikuppam, Anumandai, Marakkanam Taluk, Vilupuram-604303, Tamil Nadu, India. -----  <b>2)Puli Kalpana</b>  <b>3)Dr.Aruna Kumari Nakkella</b>  <b>4)Dr.D.Jayarajan</b>  <b>5)Mr.Ashish Kumar Pandey</b>  <b>6)Dr.Aparna B.Dhote</b>  <b>7)Dr.Satish Babulal Jadhav</b>  <b>8)Dr.Sumanta Bhattacharya</b>  <b>9)Mr.G.Chinna Pullaiah</b>  <b>10)Dr.Jorige Archana</b>  <b>11)Prof.K.Basavaiah</b>  <b>12)Dr.S.Sarojini</b>  <b>13)Dr.B.Jayanthi</b>  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  <b>1)Dr.Vishnu Kiran Manam</b>  Address of Applicant :Scientist - R&amp;D, Technical, Hybrid Ebi hatcheries Pvt Ltd, Bmr Group, Anumadaikuppam, Anumandai, Marakkanam Taluk, Vilupuram-604303, Tamil Nadu, India. --  <b>2)Puli Kalpana</b>  Address of Applicant :Managing Director, Dr Yellapragada Lifesciences, 8916, Lig -1, Tnhb, Ayappakkam, Chennai-600077, Tamil Nadu, India. -----  <b>3)Dr.Aruna Kumari Nakkella</b>  Address of Applicant :Assistant Principal, Dr.BR Ambedkar University, Srikakulam, Rajamahendravaram-533103, Andhra Pradesh, India. -----  <b>4)Dr.D.Jayarajan</b>  Address of Applicant :M.Sc., Ph.D. Professor, Dept of Medical Laboratory Technology, Chandigarh University, Mohali-140413, Punjab, India. -----  <b>5)Mr.Ashish Kumar Pandey</b>  Address of Applicant :Associate Professor, Faculty of Pharmaceutical Science, Shri Shankaracharya Technical Campus, Bhilai-490020, Chhattisgarh, India. -----  <b>6)Dr.Aparna B.Dhote</b>  Address of Applicant :Neelkanthrao Shinde Science and Arts College, Bhadravati-442902, Maharashtra, India. -----  <b>7)Dr.Satish Babulal Jadhav</b>  Address of Applicant :Department of Chemistry, R. B. Attal Art's Science and Commerce College, Ahilya Nagar, Beed Road, Georai Tq. Georai, Beed-431127, Maharashtra, India. -----  <b>8)Dr.Sumanta Bhattacharya</b>  Address of Applicant :Research fellow and policy analyst, Department of science and technology and biotechnology, MAKAUT, BF Block, Sector 1, Bidhannagar, Kolkata-700064, West Bengal, India. -----  <b>9)Mr.G.Chinna Pullaiah</b>  Address of Applicant :Assistant Professor, CSE &amp; NSS Programme Officer, Srinivasa Ramanujan Institute of Technology, Rotarypuramu, B. K. Samudramu, Ananthapuramu-515701, Andhra Pradesh, India. -----  <b>10)Dr.Jorige Archana</b>  Address of Applicant :16-11-16/C/G/26,27,28 Ganga Towers, Flat No.302, Afzal Nagar, Malakpet, Hyderabad-500036, Telangana, India. -----  <b>11)Prof.K.Basavaiah</b>  Address of Applicant :Professor, Inorganic and Analytical Chemistry, Andhra University, Visakhapatnam-530003, Andhra Pradesh, India. -----  <b>12)Dr.S.Sarojini</b>  Address of Applicant :Professor &amp; Principal, Shri venkateshwara college of pharmacy, Department of Pharmaceutics, Ariyur, Puducherry-605102, India. -----  <b>13)Dr.B.Jayanthi</b>  Address of Applicant :Assistant Professor, Department of Pharmacy, Annamalai university, Chidambaram-608002, Tamil Nadu, India. -----</p>
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(57) Abstract :

ABSTRACT: Title: Halymenia porphyroides Based Biosynthesized Nanoparticle Composition for Diabetes The present disclosure proposes a halymenia porphyroides based biosynthesized nanoparticle composition for diabetes with significant anti-diabetic activity. The proposed effective biosynthesized silver nanoparticle composition is derived from marine red seaweed halymenia porphyroides for diabetes. The proposed biosynthesized nanoparticle composition aids in reduction of fasting blood glucose levels, cholesterol levels, triglycerides, low-density lipoprotein, and phospholipids.

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