

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941047544 A

(19) INDIA

(22) Date of filing of Application :21/11/2019

(43) Publication Date : 06/12/2019

(54) Title of the invention : NANO BIO GEL OF GARCINIA MANGOSTANA (MANGOSTEEN)

(51) International classification :A01H1/06  
(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

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(57) Abstract :

The present innovative invention relates to the development of Nano bio gel incorporated with Garcinia Mangostana (Mangosteen) in dental applications. It specifically relates to the development of Garcinia Mangostana (Mangosteen) incorporated Nano Bio Gel against Porphyromonas gingivalis and Staphylococcus aureus. The invention also pertains to the development of process for preparation of Garcinia Mangostana (Mangosteen) incorporated Nano Bio Gel for therapeutic and preventive purposes in dental applications. Nano biogel formulation for prevention and treatment of peri implantitis comprising effective amount of extract of nano bio particles of mangosteen and gelling agent or excipients or carriers along with preservatives.

No. of Pages : 30 No. of Claims : 10