(22) Date of filing of Application :25/10/2021

(43) Publication Date : 05/11/2021

(54) Title of the invention : HALYMENIA PORPHYROIDES BASED BIOSYNTHESIZED NANOPARTICLE COMPOSITION FOR ANTI-TUMOR ACTIVITY

14)Dr.B.Jayanthi Address of Applicant :Assistant Professor, Department of Pharmacy, Annamalai university, Chidambaram- 608002, Tamil Nadu, India,	(86) International Application No Filing Date	:H05K0001090000, A61K000860000, A61K0031120000, A61K0045060000, G01N0033574000 :NA :NA :NA :NA :NA :NA :NA	
---	--	--	--

(57) Abstract :

ABSTRACT: Title: Halymenia Porphyroides Based Biosynthesized Nanoparticle Composition for Anti-Tumor Activity The present disclosure proposes a halymenia porphyroides based biosynthesized nanoparticle composition for anti-tumor activity. The proposed effective biosynthesized silver nanoparticle composition is derived from marine red seaweed halymenia porphyroides for cancerous tumors. The proposed low-cost halymenia porphyroides based biosynthesized nanoparticle composition for anti-tumor activity is efficient against cancerous tumors. The biosynthesized nanoparticle composition increases haematological factors, decreases white blood cells, increases haemaglobin, red blood cells, platelets and normalcy biochemical factors. The biosynthesized nanoparticle composition exhibits significant anti-tumor activity, reduces tumour cell count, and packed cell volume. The proposed halymenia porphyroides based biosynthesized nanoparticle composition in body weight, packed cell volume, and viable tumor cell count.

No. of Pages : 23 No. of Claims : 6