

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441084909 A

(19) INDIA

(22) Date of filing of Application :06/11/2024

(43) Publication Date : 15/11/2024

(54) Title of the invention : PROCESS OF PREPARING ERI COCOON SILK PROTEIN WOUND DRESSING INCORPORATED WITH GREEN SYNTHESIZED SILVER NANOPARTICLES

<p>(51) International classification :A61P0017020000, A61K0033380000, A61L0015460000, B01J0029560000, C07K0014435000</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 : 1)Annamalai University Address of Applicant :Annamalai Nagar, Chidambaram Tamilnadu - 608002 Chidambaram -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Sneka A Address of Applicant :Department of Entomology, Annamalai University Annamalai Nagar, Chidambaram - 608002 Tamilnadu Chidambaram -----</p> <p>2)T. SELVAMUTHUKUMARAN Address of Applicant :Department of Entomology, Annamalai University Annamalai Nagar, Chidambaram - 608002 Chidambaram -----</p>
---	--

(57) Abstract :

Process of preparing Eri cocoon silk protein wound dressing incorporated with green synthesized silver nanoparticles comprising; Preparation of aloe vera gel, Green synthesize of silver nanoparticles, Pre-processing of Eri cocoon, Preparation of Eri cocoon silk protein wound dressing, and Blending of Eri cocoon silk protein wound dressing with green synthesized silver nano particles. The present invention of Eri silk protein wound dressing escalates antimicrobial resistance crisis and improve wound healing outcomes.

No. of Pages : 19 No. of Claims : 1