

(54) Title of the invention : PLANT MEDIATED NANOPARTICLE COATED FABRICS (NANO FABRICS) WITH ANTIMICROBIAL PROPERTY AND WOUND HEAL

<p>(51) International classification :A61L15/42</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)DR. MAGHIMAA MATHANMOHUN Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE, RASIPURAM, NAMAKKAL DT, TAMIL NADU, INDIA-637408. Tamil Nadu India</p> <p>2)DR. R. KAVITHA</p> <p>3)DR. K. SIVAKUMAR</p> <p>4)DR. S. BABU</p> <p>5)DR. R.S. SURESH KUMAR</p> <p>6)DR. N. PANDEESWARI</p> <p>7)MR. K.K. MAKUDAPATHI</p> <p>8)DR. ADESH KUMAR</p> <p>9)DR. SATISHKUMAR BELLIETHATHAN</p> <p>10)MR. RAMSI VAKAYIL</p> <p>(72)Name of Inventor :</p> <p>1) DR. MAGHIMAA MATHANMOHUN</p> <p>2)DR. R. KAVITHA</p> <p>3)DR. K. SIVAKUMAR</p> <p>4)DR. S. BABU</p> <p>5)DR. R.S. SURESH KUMAR</p> <p>6)DR. N. PANDEESWARI</p> <p>7)MR. K.K. MAKUDAPATHI</p> <p>8)DR. ADESH KUMAR</p> <p>9)DR. SATISHKUMAR BELLIETHATHAN</p> <p>10)MR. RAMSI VAKAYIL</p>
---	--

(57) Abstract :

Nanotechnology refers to products that have enhanced and provided smart solutions for the future at the nanometer level. It includes improvements in molecular size and properties of tissues such as smart fabrics. These fabrics can help the visual impact standard by adding elegance and quality to manufactured products and system technologies that have wanted to produce quality life. Nano-sized particles can infer unpredictable properties that differ from bulk materials. The basic principle is that it has fundamentally changed its function after it has been reduced to the nanometer scale. Nanotechnology has many functions in producing dirty fabric, compression abrasion, flame retardants, antibacterial and antistatic properties, moisture control, ultraviolet protection and emission properties. Fabrics in nano materials can be affected by many properties, including shrinkage, conductivity, flammability and strength. The various applications and perceptions of nanotechnology make an important impression. Besides, Nanofabrics tampering has promoted the development of many manufacturing nanosciences.

No. of Pages : 16 No. of Claims : 5