

(54) Title of the invention : PHYCOCYANIN BASED SKIN CARE FORMULATION AND PROCESS FOR PREPARATION THEREOF

<p>(51) International classification :A61K 083400, A61K 086400, A61K 089200, A61Q 190000, A61Q 190800</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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)Chandan Shivamallu</b> Address of Applicant :Department of Biotechnology and Bioinformatics, School of Life Sciences, JSS Academy of Higher Education and Research, Mysuru, Karnataka – 570015, India -----</p> <p><b>2)Sai Chakith Matta Ravi</b> <b>3)Sathish Alur Mallanna</b> <b>4)Bhargav Shreevatsa</b> <b>5)Murali Mahadevamurthy</b> <b>6)Brijesh Singh Sudarshana</b> <b>7)Arakere Chunchegowda Udayashankar</b> <b>8)Kestur Nagaraj Amruthesh</b> <b>9)Veena Malligere Ankegowda</b> <b>10)Shiva Prasad Kollur</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Chandan Shivamallu</b> Address of Applicant :Department of Biotechnology and Bioinformatics, School of Life Sciences, JSS Academy of Higher Education and Research, Mysuru, Karnataka – 570015, India -----</p> <p><b>2)Sai Chakith Matta Ravi</b> Address of Applicant :Department of Pharmacology, JSS Medical College, JSS Academy of Higher Education and Research, Mysuru, Karnataka – 570015, India -----</p> <p><b>3)Sathish Alur Mallanna</b> Address of Applicant :Department of Pharmacology, JSS Medical College, JSS Academy of Higher Education and Research, Mysuru, Karnataka – 570015, India -----</p> <p><b>4)Bhargav Shreevatsa</b> Address of Applicant :Department of Biotechnology and Bioinformatics, School of Life Sciences, JSS Academy of Higher Education and Research, Mysuru, Karnataka – 570015, India -----</p> <p><b>5)Murali Mahadevamurthy</b> Address of Applicant :Department of Studies in Botany, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka, India -----</p> <p><b>6)Brijesh Singh Sudarshana</b> Address of Applicant :Department of Studies in Botany, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka, India -----</p> <p><b>7)Arakere Chunchegowda Udayashankar</b> Address of Applicant :Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka, India -----</p> <p><b>8)Kestur Nagaraj Amruthesh</b> Address of Applicant :Applied Plant Pathology Laboratory, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysuru – 570006, Karnataka, India -----</p> <p><b>9)Veena Malligere Ankegowda</b> Address of Applicant :Department in Chemistry, Bangalore Institute of Technology, K.R. Road, VV Puram, Bangalore – 560004, Karnataka, India -----</p> <p><b>10)Shiva Prasad Kollur</b> Address of Applicant :School of Physical Sciences, Amrita Vishwa Vidyapeetham, Mysuru Campus, Mysuru, Karnataka – 570026, India -----</p>
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## (57) Abstract :

A stable and effective formulation based on phycocyanin as moisturizer, anti-aging and anti-acne agents are highly needed. The present invention provides a skin care formulation, comprising, an oil phase and an aqueous phase; wherein the oil phase comprises stearic acid, mineral oil, sunflower wax, butylated hydroxyanisole, butylated hydroxytoluene, Tween® 20, glycerol monostearate, salicylic acid, Euxyl® PE 9010 and vitamin E; wherein the aqueous phase comprises water, phycocyanin, isopropyl myristate, glycerin, propylene glycol, benzoic acid and triethanolamine. The present invention further provides a process for preparing skin care formulation. The skin care formulation of present invention can be formulated as cream, moisturizer or lotion. The skin cream of present invention has light and moisturizing effects on skin and can last for 5 to 6 hours without losing its fragrance.

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