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2 **ESPS Manuscript NO:** 21060

3 **Manuscript Type:** Review

5 **Recent advances in production, purification and applications of phycobiliproteins**

7 **Ravi Raghav Sonani, Rajesh Prasad Rastogi, Rutvij Patel, Datta Madamwar**

9 **ABSTRACT**

10 An obligatory sunlight requirement for photosynthesis has exposed cyanobacteria to
11 different quantity and quality of light. Cyanobacteria can exhibit efficient
12 photosynthesis over broad region (450 to 650 nm) of solar spectrum with the help of
13 brilliantly coloured pigment proteins called phycobiliproteins (PBPs). Besides light-
14 harvesting, PBPs are found to involve in several life sustaining phenomena

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photosynthetic prokaryotes, **produce phycobiliproteins** as accessory photosynthetic pigments, constituting ... natural products with actual and/or potential biotechnological **applications** in nutraceuticals and ... species, and the extraction and **purification** In a **recent** study **Advances** in Applied Phycology, Daya. Publishing....

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