

ULTRAVIOLET IRRADIATION INCREASES RESISTANCE AND GROWTH OF *ANABAENA INDICA*, CYANOBACTERIA

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Received July 29, 2007 and Accepted August 28, 2007

ABSTRACT : The effect of ultraviolet irradiations on the strain *Anabaena indica* was remarkable on DNA molecules showed the change in absorption of light under different wavelength due to the activities of photosynthetic pigment. The important contributions of pigment i.e., chlorophyll-a, carotene, phycocyanin, phycoerythrin, allophycocyanin. The phycocyanin and chlorophyll-a were performed more effective. The durations of UV irradiations at the interval of 1 minute did not show any sequence in the growth and nitrogen fixation.

Key Words : Ultraviolet irradiation, resistancy, *Anabaena indica*.