## **International Journal of Management, IT & Engineering**

Vol. 9 Issue 1, January 2019,

ISSN: 2249-0558 Impact Factor: 7.119

Journal Homepage: <a href="http://www.ijmra.us">http://www.ijmra.us</a>, Email: editorijmie@gmail.com

Double-Blind Peer Reviewed Refereed Open Access International Journal - Included in the International Serial Directories Indexed & Listed at: Ulrich's Periodicals Directory ©, U.S.A., Open J-Gage as well as in Cabell's

Directories of Publishing Opportunities, U.S.A

## AN OVERVIEW OF LED LIGHTING IN AGRICULTURE FOR THE GROWTH AND DEVELOPMENT OF PLANTS

## Mr. Ranvir Ghate\*

## **Abstract**

Artificial Lighting,
Photosynthesis,
Light Spectrum,
Luminous Efficiency etc

Keywords:

The overall aim of the work was to investigate the applicability of solid-state or semiconductor LED lighting technology in plant growth. This is accomplished by an extensive review of related research work conducted so far and of the results gathered from the growth tests performed. The work is concerned with the basic concepts regarding the photosynthetic process in plants growth with artificial lighting. Comparative study of light generated by conventional light sources and modern LED light sources is also elaborated in this paper.

<sup>\*</sup> Asst. Professor, Dept. of Electronics,MIT Arts, Commerce and Science College Alandi (D), Pune-412105(India)