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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_132285** |
| Title of the Manuscript:  | **Mechanism and Modulation of Photoreceptor Dynamics in Plant Light Sensing** |
| Type of the Article | **Review Article** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript is important for the scientific community as it provides a comprehensive understanding of the mechanisms regulating photoreceptor dynamics in plants, which are crucial for optimizing light perception and response. By elucidating how photoreceptors interact with environmental and molecular factors, it offers insights into improving plant growth, development, and stress adaptation. This knowledge is particularly valuable in the context of climate change, where optimizing light utilization can enhance crop productivity and resilience. Furthermore, the review highlights emerging biotechnological strategies that can be applied to agricultural systems, paving the way for innovative approaches to sustainable crop management.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes** |  |
| Is the manuscript scientifically, correct? Please write here. | Yes |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Gangadhara Doggalli, University of Agricultural Sciences, India**