

## Review Form 1.7

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|--------------------------|--|
| Journal Name:            | <b>International Journal of Plant &amp; Soil Science</b>                   |
| Manuscript Number:       | <b>Ms_IJPSS_116163</b>   |
| Title of the Manuscript: | <b>Plant Circadian Clocks: Unravelling the Molecular Rhythms of Nature</b> |
| Type of the Article      | <b>Review Article</b>  |

### PART 1: Review Comments

|  | Reviewer's comment   | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|--|---|
| <p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p>1 . Yes. It addresses in an enlightening way the mechanisms of action of photoreceptors and the metabolic action implicating the circadian rhythm.</p> <p>2. Yes.</p> <p>3. Yes.</p> <p>4. Yes.</p> <p>5. Yes.</p> <p>6 – I would like to suggest these two articles.</p> <p>a) Journal of Experimental Botany , Volume 62, Edição 7, abril de 2011, páginas 2333–2348, <a href="https://doi.org/10.1093/jxb/err040">https://doi.org/10.1093/jxb/err040</a></p> <p>b) The physiology of circadian rhythms in plants (doi: 10.1046/j.1469-8137.2003.00895.x)</p> |   |
| <p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>   | <p>1 - In my opinion yes! But I believe that another reviewer with greater expertise in the language could contribute more.</p>  |   |
| <p><b>Optional/General</b> comments</p>  | <p>I would suggest adding one more figure. One that can present in a didactic way the perceptions of external signals from the environment through the plasma membrane, passing through the cytoplasm until they reach the nucleus for gene activation.</p>  |   |

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**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |   |

**Reviewer Details:**

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|----------------------------------|---|
| Name:                            | <b>Juliana Neves Barbosa</b>  |
| Department, University & Country | <b>Centro Federal de Educação Tecnológica de Minas Gerais, Brazil</b> |