

**BPI Review Form 070520**

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|--------------------------|---------------------------------------------------------------------------|
| Book Name:               | <a href="#">Current Research Progress in Physical Science</a>             |
| Manuscript Number:       | <b>Ms_BPR_1372</b>                                                        |
| Title of the Manuscript: | <b>Dynamo Theory, Nonlinear Magnetic Fields, and the Euler Potentials</b> |
| Type of the Article      | <b>Book chapter</b>                                                       |

**PART 1: Review Comments**

|                                                                                                                                               | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Author's comment</b> (If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here) |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is the manuscript important for the scientific community?<br>Please write a few sentences explaining your answer                              | <i>Yes, because authors have discussed the role of Euler potentials in the dynamo theory.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |
| Is the title of the article suitable?<br>Do you have any alternative Title in your mind?                                                      | Title is not too much suitable as per presentation of manuscript. I would like to change the title as follows:<br>'Role of Nonlinear Magnetic Fields and the Euler Potentials in Dynamo Theory'                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                   |
| Is the abstract of the article comprehensive?<br>If your answer is No, please provide suggestions                                             | Abstract of the article is comprehensive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                   |
| Do you think the English quality of the article is suitable for scholarly communications?<br>If your answer is No, please provide suggestions | No. Certain grammatical errors are found in manuscript. Use of commas and full stops are needed at various places.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                   |
| Please provide your comments regarding the appropriateness of different sections of the manuscript.                                           | Manuscript is designed in well manner. Introduction section is not comprehensive that must include certain recent works:<br><a href="https://doi.org/10.1063/5.0182706">https://doi.org/10.1063/5.0182706</a><br><a href="https://doi.org/10.1063/5.0155532">https://doi.org/10.1063/5.0155532</a><br><a href="https://doi.org/10.1080/01430750.2021.1946146">https://doi.org/10.1080/01430750.2021.1946146</a><br><a href="https://doi.org/10.1007/s10404-022-02569-5">https://doi.org/10.1007/s10404-022-02569-5</a><br><a href="https://doi.org/10.1016/j.cjph.2023.12.039">https://doi.org/10.1016/j.cjph.2023.12.039</a> |                                                                                                                                                                   |
| Do you think that the references in the manuscript are proper, recent and sufficient?<br>If you have any suggestions, please write here.      | No, certain references are not written as per standard format of journal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                   |

**PART 2:**

|                                                     | <b>Reviewer's comment</b>                                                    | <b>Author's comment</b> (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) |
|-----------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Are there ethical issues in this manuscript?</b> | <u>(If yes, Kindly please write down the ethical issues here in details)</u> |                                                                                                                                                                                      |

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**Reviewer Details:**

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|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Name:                            | Deepak Kumar Maurya                                                                                                                        |
| Department, University & Country | Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, Veer Bahadur Singh Purvanchal University, India |