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| Journal Name: | [**Asian Journal of Research in Biochemistry**](https://journalajrb.com/index.php/AJRB) |
| Manuscript Number: | **Ms\_AJRB\_138607** |
| Title of the Manuscript: | **Effect of IBA, Aspirin and Natural plant extracts on Rooting of Chrysanthemum (Dendranthema grandiflora L.) cv. Flirt** |
| Type of the Article | **Original Research 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** (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.** | * **finds the optimal combination of IBA 750 ppm and 40 mg/L of aspirin to improve important rooting metrics as callus production, root number, root length, and rooting %.** * **It favors of using natural plant extracts instead of synthetic rooting hormones since they are less expensive, safe, and healthier.** * **It supports sustainable horticulture practices.** * **It creates new avenues for study into the utilization of bio stimulants derived from plants for ornamental crop vegetative propagation.** | Naturally available plant extracts and products are organic, non-toxic, readily available at low cost and contain phytohormones and active compounds stimulating rooting in cuttings, infection prevention and support plant growth. These can be used as effective alternatives of synthetic rooting hormones that are expensive and toxic to plant environment at high concentrations. Thus, this opens up many opportunities for further research in future for use of plant extracts and natural products in commercial propagation of floricultural crops. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **yes** | 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 but overdetail of DAB numerical values can be restricted to result section** | Yes |
| **Is the manuscript scientifically, correct? Please write here.** | yes | Yes |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes but revised Recent Review Articles** (2020–2024) can be added  e.g Ghosh et al. (2021). *Recent advances in plant propagation through cuttings: hormonal and molecular approaches*. *Plant Physiology Reports.* | Yes |
| **Is the language/English quality of the article suitable for scholarly communications?** | Moderate, many sentences in manuscript can restructured for clarity and fluency but okay for scholarly communication | Yes |
| **Optional/General** comments |  |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No |