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| Journal Name: | [**Journal of Advances in Mathematics and Computer Science**](https://journaljamcs.com/index.php/JAMCS) |
| Manuscript Number: | **Ms\_JAMCS\_133688** |
| Title of the Manuscript: | **Application of M.C.A method to the solution of fractional-order integro-differential equations** |
| 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** *(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.** | **The paper is good, but there are some required improvements:**  **1: It is preferable to add some recent and relevant references. 2: Improve the linguistic formulation.**  **3: Include some illustrative figures for the solutions and comparison tables.**  **4: Is there a scientific explanation for consistently obtaining accurate solutions? Will all applications yield exact or approximate solutions, and what is the criterion for convergence?** | The manuscript contains an improved version of Adomian's Decompositional method. It gives approximate solutions and can also give the exact solution if there is one. It has the advantage of converging more quickly than the classical method.  Graphical representations of the obtained solutions will be included to improve the manuscript.  The method gives the exact solution if there is one. When it is difficult or impossible to have the exact solution, we obtain an approximate solution. |
| **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.** |  | Several references in this article are recent. However, some recent references are being added and older ones are being removed. |
| **Is the language/English quality of the article suitable for scholarly communications?** | The language is good, but attention should be paid to some typographical errors, and linguistic rephrasing should be corrected. | The document is written in English. Any inadvertent language errors will be corrected. |
| **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 |