

## Review Form 1.6

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|--------------------------|---|
| Journal Name:            | <a href="#">Journal of Advances in Mathematics and Computer Science</a>           |
| Manuscript Number:       | Ms_JAMCS_86938  |
| Title of the Manuscript: | Nonlinear Schrodinger Equations with variable coefficients: numerical integration |
| Type of the Article      |   |

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljamcs.com/index.php/JAMCS/editorial-policy>)

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**PART 1: Review Comments**

|                                     | <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>Compulsory</b> REVISION comments | <p>The author should revise the article by taking into consideration the following comments.</p> <p>1-Author should improve the English of this paper</p> <p>2- Author should explain more about the novelty of this work in the introduction, indeed, several studies have addressed the same problem.</p> <p>3- The author must clearly indicate what is the difference between the preset work history and other research work.</p> <p>4-The goals, the general motivations, and the highlights of the problem and results, as well as the use of this approach are not well explained.</p> <p>5-The following issues and more must be addressed before the paper is considered for publication</p> <p>Ali, Mohamed R., Hadhoud, Adel R., and Ma, Wen-Xiu. 'Evolutionary Numerical Approach for Solving Nonlinear Singular Periodic Boundary Value Problems' Journal of Intelligent &amp; Fuzzy Systems. 1 Jan. 2020 : 7723 – 7731.</p> <p>Baleanu, D., Sadat, R. &amp; Ali, M.R. The method of lines for solution of the carbon nanotubes engine oil nanofluid over an unsteady rotating disk. <i>Eur. Phys. J. Plus</i> <b>135</b>, 788 (2020). <a href="https://doi.org/10.1140/epjp/s13360-020-00763-4">https://doi.org/10.1140/epjp/s13360-020-00763-4</a></p> <p>Mohamed R. Ali, Adel R.Hadhoud, Hybrid Orthonormal Bernstein and Block-Pulse functions wavelet scheme for solving the 2D Bratu problem. <a href="#">Results in Physics</a>. 12 (2019), 525- 530.</p> <p>Wen-Xiu Ma, Mohamed R. Ali, R. Sadat, "Analytical Solutions for Nonlinear Dispersive Physical Model", <i>Complexity</i>, vol. 2020, Article ID 3714832, 8 pages, 2020. <a href="https://doi.org/10.1155/2020/3714832">https://doi.org/10.1155/2020/3714832</a></p> <p>Mohamed R. Ali , Dumitru Baleanu, New wavelet method for solving boundary value problems arising from an adiabatic tubular chemical reactor theory, International Journal of Biomathematics Vol. 13, No. 07, 2050059 (2020).</p> <p>Ali, M.R., Sadat, R. Construction of Lump and optical solitons solutions for (3 + 1) model for the propagation of nonlinear dispersive waves in inhomogeneous media. <i>Opt Quant Electron</i> <b>53</b>, 279 (2021). <a href="https://doi.org/10.1007/s11082-021-02916-w">https://doi.org/10.1007/s11082-021-02916-w</a></p> |  |
| <b>Minor</b> REVISION comments      |   |  |
| <b>Optional/General</b> comments    |   |  |

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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>R. Sadat</b> |
| Department, University & Country | <b>Egypt</b>    |