



**SDI Review Form 1.6**

|                          |                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <b><u>British Journal of Mathematics &amp; Computer Science</u></b>                                                               |
| Manuscript Number:       | <b>Ms_BJMCS_32628</b>                                                                                                             |
| Title of the Manuscript: | <b>A New Spectral-Collocation Method Using Legendre Multi-wavelets for Solving of Nonlinear Fractional Differential Equations</b> |
| Type of the Article      | <b>Original research papers</b>                                                                                                   |

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



**SDI Review Form 1.6**

**PART 1: Review Comments**

|                                            | <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><u>Compulsory</u></b> REVISION comments | The paper is well written and 5 Examples give the accuracy of proposed method however authors used many definition, content in introduction and other part (Ex. from line no. 79 to 100) as it is as in reference 28. Author should change the language in their paper                                                                                                                                                                                           | I have rewritten the Section 2.1, please see the paper. Thank you very much!                                                                                                                                                                           |
| <b><u>Minor</u></b> REVISION comments      | <ol style="list-style-type: none"> <li>1. In definition 2.2 (line 86) author use <math>Y &gt; -1</math> but it should be <math>\gamma &gt; -1</math></li> <li>2. In definition 2.2.1 (line no. 110) some space should be in between <math>\sqrt{2m+1}</math> <math>2^{\frac{1}{2}}</math></li> <li>3. Reference no. 29 is not used in the manuscript.</li> <li>4. In line 191 block – pulse function <math>B(x)</math> should be <math>B_N(x)</math>.</li> </ol> | <ol style="list-style-type: none"> <li>1. I have modified it.</li> <li>2. I have modified it.</li> <li>3. Reference no. 29 is used on line no. 275 in the manuscript.</li> <li>4. I have modified <math>B(x)</math> to <math>B_N(x)</math>.</li> </ol> |
| <b><u>Optional/General</u></b> comments    | In all the 5 examples authors gave graphical comparison in between integer values of $\alpha$ and exact solution. As we know analytical solution of fractional differential equation is not easy so if possible can you give graphical comparison between any other method and your method for fractional value of $\alpha$ .                                                                                                                                    | The comparisons between other method and my method for fractional value of $\alpha$ are listed in tables 3, 5 and 6 which is enough for the validation of presented method.                                                                            |