**Journal Name:** Journal of Advances in Mathematics and Computer Science  
**Manuscript Number:** Ms_JAMCS_45965  
**Title of the Manuscript:** Solution to the Dirichlet Problem on Irregular Domains using Wavelet-Based Approach  
**Type of the Article:** Original Research 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: (http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

**PART 1: Review Comments**

<table>
<thead>
<tr>
<th>Reviewer’s comment</th>
<th>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)</th>
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<tr>
<td><strong>Compulsory REVISION comments</strong></td>
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In section 2: The **FDFDWM** with Penalty on Irregular Domain;  
What is 'phi' here? what is its dimension? This part needs to be fully documented.  
In Equation 3, for $i = 1, 2, 3, ...$ to what? $n$ or $m$ or what?  
This part needs to be fully documented before moving to ant theorem or proof.  
Are there similar works on **FDFDWM**?  
Needs to talk about well-posedness too. |
| **Minor REVISION comments** |  
(a) It's difficult to see why the **FDFDWM** is better than the traditional methods. What is the yardstick for measuring this?  
(b) How was the MATLAB carried out? Not requesting you to show your code. But you need to show what parameters you used and you used them. At least, show some skeletal part of the code. Writing out results without this is not good. |
| **Optional/General comments** |  
In overall, the paper is good with the above suggestions. |

**PART 2:**

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<td>Are there ethical issues in this manuscript?</td>
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(If yes, Kindly please write down the ethical issues here in details) |

**Reviewer Details:**

- **Name:** Oluleye (H) Babatunde  
- **Department, University & Country:** Charleston Southern University, USA