|  |  |
| --- | --- |
| Journal Name: | [**Asian Journal of Advanced Research and Reports**](https://journalajarr.com/index.php/AJARR) |
| Manuscript Number: | **Ms\_AJARR\_132046** |
| Title of the Manuscript: | **Characterization of Norm-Attaining Operators in Frame Decompositions and Dual Frames.** |

|  |
| --- |
| **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.** |  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** |  |  |
| **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.** |  |  |
| **Is the manuscript scientifically, correct? Please write here.** |  |  |
| **Are the references sufficient and recent? If you have****suggestions of additional references, please mention them in the review form.** |  |  |
| **Is the language/English quality of the article suitable for scholarly communications?** |  |  |
| **Optional/General** comments | The paper clearly outlines the motivation behind norm-attaining operators and their role in frame decompositions and dual frames. The article requires minor formatting refinements.1. Explicitly mention key findings in the abstract and their implications in signal processing.
2. Lemma 3 states that redundant frames prevent norm attainment, but additional examples or numerical illustrations could improve understanding.
3. Provide equation numbers for better readability and cite them.
4. Some citations are not explicitly referenced in the text. Ensure all references are cited properly.
 |  |

|  |
| --- |
| **PART 2:** |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the 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 detail)* |  |

**Reviewer details:**

C. Padmaja, G. Narayanamma Institute of Technology and Science (for Women), Hyderabad, India