

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_128401
Title of the Manuscript:	Norm-Attainable Operators in Operator Ideals: Characterizations, Properties, and Structural Implications.
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	This manuscript rigorously explores norm-attainable operators within operator ideals, a topic of significant relevance in functional analysis. The study elucidates the relationships between norm-attainability and operator classes, offering theoretical advancements that could inspire future work in pure and applied mathematics. Its insights into spectral properties and operator approximations are particularly valuable for researchers working on mathematical physics, quantum mechanics, and computational applications.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title accurately reflects the content and scope of the manuscript. However, for broader appeal, the following alternative title could be considered: "Norm-Attainable Operators in Operator Ideal: Characterizations and Implications in Operator Theory."	
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.	The abstract effectively summarizes the key contributions and scope of the manuscript. However, it could be enhanced by mentioning potential applications or future directions, such as its implications in quantum mechanics or signal processing. You must add a sentence about the practical relevance of the findings to make the abstract more engaging.	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically robust. The theoretical results are well supported by logical proofs, and the conclusions are consistent with the established properties of operator theory.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The relevant references include recent studies, particularly from 2023-2024. However, additional references discussing practical applications of norm-attainable operators in physics or signal processing could further enhance the manuscript.	
Is the language/English quality of the article suitable for scholarly communications?	The language is clear, precise, and appropriate for scholarly communication. Minor grammatical improvements and simplifications in complex sentences could enhance readability.	
Optional/General comments	Advice for Improvement <ol style="list-style-type: none"> 1. Practical Implications: Briefly discuss real-world applications in fields like quantum mechanics or computational mathematics. 2. Examples and Visuals: Include concrete examples or diagrams to improve accessibility for readers. 3. Future Research Directions: Add a section outlining potential extensions, such as unbounded operators or Banach spaces, to enhance the paper's impact. <p>No plagiarism was detected.</p> <p>No competing interest issues were found in the manuscript.</p> <p>No ethical issues are evident in the manuscript.</p>	

PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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