

Review Form 1.7

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_113143
Title of the Manuscript:	Microscale Thermophoresis Analysis of Membrane Proteins
Type of the Article	Review Article

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PART 1: Review Comments

	Reviewer's comment	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1.The manuscript provides valuable insights into the study of membrane proteins and biomolecular interactions using microscale thermophoresis (MST), offering a comprehensive review of the technique's versatility and applications in various research areas. It is important for the scientific community as it highlights the advantages and potential of MST in studying complex biological systems.</p> <p>2.The title of the article, "Analysis of Membrane Proteins by Microscale Thermophoresis: Applications and Insights," effectively captures the focus and scope of the manuscript. It succinctly conveys the use of MST for studying membrane proteins and their interactions.</p> <p>3.The abstract of the article provides a comprehensive overview of the key points discussed in the manuscript, including the versatility of MST, its applications in studying membrane proteins, and the importance of considering sample conditions and labeling strategies. It effectively summarizes the main findings and implications of the study.</p> <p>4.The subsections and structure of the manuscript are appropriate, providing a clear and organized presentation of the content. The manuscript is well-structured, with sections covering the principles of MST, its applications in studying membrane proteins, and considerations for experimental design and data interpretation.</p> <p>5.The manuscript appears to be scientifically correct, presenting information supported by references to relevant literature and studies. The content is logically presented and supported by evidence, contributing to the scientific understanding of membrane protein analysis using MST.</p> <p>6.The references provided in the manuscript are sufficient and recent, covering a wide range of relevant literature in the field of membrane protein research and biophysical techniques. However, additional references could be considered to further enhance the comprehensiveness of the manuscript, particularly in areas where recent advancements have been made in membrane protein analysis and biomolecular interactions.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Based on the provided information, the language and English quality of the article appear to be suitable for scholarly communications. The writing style is clear, concise, and technically sound, which is essential for effective communication within the scientific community. The terminology used is appropriate for the subject matter, and there are no apparent issues with grammar or language proficiency that would hinder understanding or credibility. Overall, the language quality meets the standards expected for scholarly publications in the field.</p>	

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Optional/General comments	I feel that there is Clear and concise presentation of research objectives, methods, results, and conclusions. There is Comprehensive review of relevant literature and inclusion of recent references to support the research and also the use of appropriate statistical analyses to support the findings.	
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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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