

# Review of: "Tsallis Entropy applied to microfluidic channels analysis"

Syed Ibrahim<sup>1</sup>

<sup>1</sup> Riphah International University

**Potential competing interests:** No potential competing interests to declare.

In my perspective, the central theme of this paper is intriguing; nevertheless, certain revisions are necessary for its acceptance. With regard to this, I would like to provide the following comments and suggestions:

1. The abstract contains complex language and multiple concepts that may be difficult for readers unfamiliar with the field. Consider simplifying the language and explaining key terms to make the content more accessible. Avoid excessive use of technical jargon without adequate explanation.
2. The abstract covers a wide range of topics, from the Tsallis entropy concept to the practical application in microfluidics. While it's essential to provide context, try to streamline the abstract by focusing on the most critical aspects of the study. Clearly state the primary objective and the core findings in a concise manner.
3. Emphasize the practical implications of the research. How can the use of information theory and Tsallis entropy enhance our understanding of fluid flow in microchannels? Are there potential real-world applications or benefits? Providing a clear connection between the theoretical concepts and practical outcomes can enhance the significance of your work.
4. The conclusion could benefit from a clearer structure. Consider dividing it into distinct sections, each summarizing a specific finding or outcome. This will make it easier for readers to follow and understand the significance of each point.
5. While you mention some intriguing future steps, such as estimating factors and exploring correlations, provide more specific goals for this next phase of research. What specific insights or practical applications do you aim to achieve by investigating these factors and correlations? Clear objectives will make the continuation of your work more compelling.
6. Expand on the comparison with the work by Manotosh, Kumbhakar, and colleagues, emphasizing how your approach complements or diverges from their findings. This could lead to a more insightful discussion about the broader implications of your research in the context of existing studies and the unique contributions you plan to make.
7. Remember, a conclusion should not just recapitulate the results but should also highlight their significance, discuss any limitations, and provide a clear roadmap for future research, including its expected impact on the field.