

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

Marcin M. Kamiński<sup>1</sup>

<sup>1</sup> Technical University of Lodz

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

The paper is quite interesting and concerns a modern and relatively novel approach in probabilistic (stochastic) mechanics based on Tsallis entropy. This article demonstrates how efficiently use this entropy to quantify and discuss uncertainty propagation in micro-fluidics in channels flows. Although this work presents sufficient novelty, a wider overview of the existing literature would be expected (see: <https://onlinelibrary.wiley.com/doi/abs/10.1002/nme.5638>, for instance). Secondly, a comparison of the resulting entropy values versus the corresponding probabilistic moments in fluid flows parameters would demonstrate similarities and differences to traditional statistical approaches.