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SDI FINAL EVALUATION FORM 1.1

PART 1:

| Journal Name: | Advances in Research |
|--------------------------|---|
| Manuscript Number: | 2014_AIR_15197 |
| Title of the Manuscript: | Effect of Sinusoidal Excitation on Fluid Flow across a Cu-Mica Microchannel |
| Type of the Article | Original Research Article |

PART 2:

| FINAL EVALUATOR'S comments on revised paper (if any) | Authors' response to final evaluator's comments |
|--|---|
| The revised paper version 1 has been improved, but there are still a number of points | |
| that have to be addressed. The discussion of the results is missing. For example, | |
| The authors claim "The results of the investigations showed that the rate of flow of micro- | |
| fluids increases with an increase in the angle of elevation. Chloroform shows maximum speed | |
| and the acceleration is maximum around the elevation angles 60°-70°.Ethanol shows minimum speed" | |
| What occurs with the methanol at the same elevation angles 60°-70°? The viscosity of | |
| Methanol and the chloroform is 0.56 cp and 0.53 cp, respectively. | |
| | |
| "Both ethanol and methanol show maximum acceleration around 80°-90° of elevation angles. | |
| The velocity of the fluids is also a function of temperature. Chloroform shows maximum | |
| velocity at 50°C and minimum at the room temperature. The acceleration is fluid dependent." | |
| | |
| These comments are looked as a common sense. What is the importance of the above | |
| results? Why are relevant results? | |
| | |
| If the author's "motive behind writing this was that the velocity varies while applying | |
| frequency oscillations", is it worth mentioning such obvious facts? | |
| My suggestion is to aliminate lines 11 16 | |
| My suggestion is to emininate miles 11-10. | |
| The cention of the figure 6 must to mention envthing shout temperature. Also, it must | |
| he to include "effect of PWM vibrations" in figure 6 | |
| be to include enect of t will vibrations in figure o. | |
| The authors must to provide some explanation of their results for each experiment | |
| described in the manuscript, specially, for those results of the fourth experiment. | |
| | |
| As a second version, there are still obvious mistakes in the paper, e.g., page 1, line 13. | |
| "60°-70°.Ethanol ", it must include a space between 70º and Ethanol, etc. | |
| • | |
| The assistance of native speaker seems necessary for the paper can be publishable. | |
| | |

Reviewer Details:

| Name: | Anonymous |
|----------------------------------|-----------|
| Department, University & Country | Mexico |