



**SDI Review Form 1.6**

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|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Physical Science International Journal</a>                                                               |
| Manuscript Number:       | Ms_PSIJ_21416                                                                                                        |
| Title of the Manuscript: | Densities and viscosities of Binary Mixtures of Polyvinyl Pyrrolidone and Water at Temperatures (288.15 to 313.15) K |
| Type of the Article      |                                                                                                                      |

**General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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) |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <p>1. "Line 67, The kinetic energy term in eq. 1, (<math>L/t</math>), is an important term in viscosity calculations if the liquid is moving fast (<math>t</math> is small), but if the flow is slow (<math>t</math> is large), the kinetic energy term, which is proportional to (<math>1/t</math>), can be ignored." I need to know:</p> <p>(1) Are <math>L</math> and <math>k</math> dimensionless?</p> <p>(2) If <math>L</math> is small enough, can you neglect (<math>L/t</math>) for <math>t</math> is small? At the same time, <math>L</math> and <math>t</math> are correspondingly large enough, (<math>L/t</math>) can be neglected?</p> <p>2. "Line 118, Why do you determine Eq. (2) as your main target for your study?"</p> <p>3. In Table 5, which one of the regression equation is prefer to use for your decision? Is the R-square the only one parameter for you to judge and determine your results?</p> |                                                                                                                                                                               |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                               |
| <b><u>Optional/General</u></b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                               |

**Reviewer Details:**

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|----------------------------------|----------------------------------------------------------------------|
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