Review of: "On the rheology of thixotropic and rheopexic suspensions: accounting for the formation of trimmers"

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Potential competing interests: No potential competing interests to declare.

Revision:

In this paper, authors studied the ‘On the rheology of thixotropic and rheopexic suspensions: accounting for the formation of trimmers’. Some corrections and suggestions are required to improvement this article for possible publication in reputed journal.

- Add the Nomenclature table in the manuscript.
- Lack of physical reasoning is noted in present article. Include more physical reasoning in "Results and Discussion" section.
- You need a flowchart describing the whole investigation procedure to help the readers perceive the main points.
- Add main findings in the abstract.
- The last part of the introduction should conclude the limitations of the previous studies and provide the main objectives and novelties of this study. You need to clearly address the knowledge gap and provide some meaningful phrases that your study can advance the knowledge and can fill in a knowledge gap that has not been considered yet. You can use bullet points to show the main novelties of this work.
- What method is used to determine the result and discuss in the manuscript.
- The following are the valuable studies to make the introduction section more concise to show the previous literature.

Salahuddin, T., Awais, M., & Xia, W. F. (2021). Variable thermo-physical characteristics of Carreau fluid flow by means of stretchable paraboloid surface with activation energy and heat generation. *Case Studies in Thermal Engineering*, *25*, 100971.

Salahuddin, T., Awais, M., & Salleh, Z. (2021). A flow study of Carreau fluid near the boundary layer region of paraboloid surface with viscous dissipation and variable fluid properties. *Journal of Materials Research and Technology*, *14*, 901-909.

Salahuddin, T. (2020). Carreau fluid model towards a stretching cylinder: Using Keller box and shooting method.*Ain Shams Engineering Journal*, *11*(2), 495-500.

Salahuddin, T., Khan, M., Tanveer, A., Awais, M., & Ali, R. (2022). Centrifugal and coriolis forces in three dimensional

thermo-physical system with enthalpy and activation energy. *Case Studies in Thermal Engineering*, *35*, 101999.

Salahuddin, T. Numerical Techniques in MATLAB: Fundamental to Advanced Concepts.