Review of: "Hamiltonian, Lagrangian, Dynamics and Singularity of the Compressible Fluid Flow"

Dr. Dr. Qayyum Shah

Potential competing interests: No potential competing interests to declare.

Well, Dear Sheweth,

Numerous thanks for your emails regarding sending me the current manuscript for review.

I have comprehensively studied the manuscript you furnished me, although I got several reminders from your kind office to remind me of the task and expedite the process. Your kind office is requested to please return the document to the researcher (Professor Dr. Shisheng Wang) to make revisions according to the following amendments and return it to me by August 22, 2024.

P.1. It is noted that your manuscript has a very, very short introduction and literature review. I suggest the author to fine-tune the introduction section by means of extending it properly and citing the following published research articles [1] to [29] in the field.

P.2. After the introduction section, you need to PRESENT the objectives of your recent paper as a separate section.

P.3. I also suggest the author to focus on the mathematical steps of the method and double-check the equations from 01-68.

P.4. Please mention the section RESULTS AND DISCUSSIONS as a separate section in your current paper in order to be substantially understandable for the researchers in the field.

P.5. Kindly please explain tangibly the conclusion section as a separate section in your current paper.

I hope to get the edited article by August 22, 2024.

Kind regards,

REVIEWER.

[29]N.S. Khan, Q. Shah, A. Bhaumik, P. Komam, P. Thounthong & I. Amiri (2022) "Entropy generation in bioconvection nanofluid flow between two stretchable rotating disks" published in *NATURE* (Impact Factor=69.504). (Elsevier-SCOPUS).

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[28] A.H Usman, N.S. Khan, P. Komam, P. Thounthong & I. Amiri Q. Shah, A. Bhaumik (2021) "Computational Optimization for The Deposition of Bioconvection Thin Oldroyd-B Nanofluid with Entropy Generation" published in *NATURE*, (Impact Factor=69.504). (Elsevier-SCOPUS).

[27] Q. Shah, HU. Rasheed, and IA Ahmad (2024) "A mathematical and computational framework for MHD and heat source effect on nanofluid flow by a nonlinearly stretching sheet" published in Control and Decision/ Kongzhi yu Juece/Control. (Elsevier-SCOPUS).

LINK: https://www.kzyjc.org/article/a-mathematical-and-computational-framework-for-mhd-and-heat-source-effect-on-nanofluid-flow-by-a-nonlinearly-stretching-sheet

(Google the above LINK)

OR

LINK: A mathematical and computational framework for MHD and heat source effect on nanofluid flow by a nonlinearly stretching sheet (kzyjc.org))

OR

LINK: https://www.kzyjc.org/search-article (by putting the title of the article in the SEARCH BOX)

[26] Q. Shah, HU. Rasheed, and IA Ahmad (2024) "Analysis of MHD flow chemically reactive Casson liquid by an elongated permeable sheet with Lorentz force and heat reservoir effects" published in Control and Decision/ Kongzhi yu Juece/Control. (Elsevier-SCOPUS).

LINK:https://www.kzyjc.org/article/analysis-of-mhd-flow-chemically-reactive-casson-liquid-by-an-elongated-permeable-sheet-with-lorentz-force-and-heat-reservoir-effects

OR

Analysis of MHD flow chemically reactive Casson liquid by an elongated permeable sheet with Lorentz force and heat reservoir effects (kzyjc.org)

OR

LINK: https://www.kzyjc.org/search-article (by putting the title of the article in the SEARCH BOX)

[25] H. U. Rasheed, Q. Shah, J. Khan, T. Abbas, W. Khan, and MI. Muhammad (2023) "Physical insight into thermal analysis of MHD stagnation point flow of second grade fluid across a flexible surface equipped with porous medium and Fourier and Fick's law," published in Heat Transfer, Wiley Online Library (Impact Factor = 3.60), (Elsevier-SCOPUS).

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[24] H. U. Rasheed, Z. Khan, S. Islam, B. Ali, Q. Shah, R. Ali (2023) "Implementation of shooting technique for Buongiorno nanofluid model driven by a continuous permeable surface" published in Heat Transfer, Wiley Online Library (Impact Factor=3.75), (Elsevier-SCOPUS).

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[23] N.S. Khan, AH. Usman, A. Sohail, A. Hussanan, Q. Shah, N. Ullah, P. Kumam, P. Thounthong, & UW. Humphries (2021) A Framework for the Magnetic Dipole Effect on the Thixotropic Nanofluid Flow Past a Continuous Curved Stretched Surface" published in Crystals, (Impact Factor=2.589). (Elsevier-SCOPUS).

LINK: https://www.mdpi.com/2073-4352/11/6/645

[22] H. Rasheed, S. Islam, Z. Khan, J. Khan, WK. Mashwani, T. Abbas, & Q. Shah (2021) "Computational analysis of hydromagnetic boundary layer stagnation point flow of nano liquid by a stretched heated surface with convective conditions and radiation effect" published in Advances in Mechanical Engineering, 20(6):1-26 (Impact Factor=1.316). (Elsevier-SCOPUS).

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[17] N. S. Khan, S. Zuhra & Q. Shah. (2019) "Entropy generation in two phase model for simulating flow and heat transfer of carbon nanotubes between rotating stretchable disks with cubic autocatalysis chemical reaction" published in Applied Nano-Science, (Springer Journal), (Impact Factor=3.674). (Elsevier-SCOPUS).

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[14] M. Fiza, S. Islam, H. Ullah Q. Shah & M. Mamat. (2018) "Modification of the Multistep Optimal Homotopy Asymptotic Method to Some Nonlinear KDV-Equations" published in EJPAM (European Journal of Pure and Applied Mathematics) 11(2018), No. 2, 537-552, (Impact Factor 2.10). (Elsevier-SCOPUS).

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