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Date of Birth: 14-08-1999

Nationality: Pakistani

Marital Status: Single

EDUCATION

MS Mathematics	University of Education Lahore, Pakistan Thesis Title: “Influence of Shape Factor on Flow of Casson and Micropolar Nanofluids” Supervisor: Assistant. Pro. Dr. Abid Hussanan CGPA: 3.79/4	2021– 2023
BS Mathematics	University of Education Lahore, Pakistan Thesis Title: “Effects of Thermal Radiation on Micropolar Fluid Flow and Heat Transfer over a Porous Shrinking Sheet” Supervisor: Assistant. Pro. Dr. Abid Hussanan CGPA: 3.66/4	2017– 2021
FSc Pre–Engineering	Board of Intermediate and Secondary Education Dera Ghazi Khan, Punjab (Pakistan) Marks: 877/1100	2017
Metric (Science Group)	Board of Intermediate and Secondary Education Dera Ghazi Khan, Punjab (Pakistan) Marks: 949/1100	2015

PUBLICATIONS

Journal Publication

1. **Rani, S.**, Al Sharifi, H. A. M., Zanno, M. S., Hussanan, A., & Ullah, Z. (2023). Nanoparticle Shape Effect on a Sodium–Alginate Based Cu–Nanofluid under a Transverse Magnetic Field. *Fluid Dynamics & Materials Processing*. 19. 1–22. 10.32604/fdmp.2023.025224. (**Scopus**)

Journal Papers Submitted

1. **Rani, S.,** Al Sharifi, H. A. M., Zanno, M. S., & Hussanan, A. (2023). Nanoparticles Shape and Micro-rotation Impact on the Cu-Nanofluid under Transverse Magnetic Field. *International Journal of Applied and Computational Mathematics*.
2. **Rani, S.,** Al Sharifi, H. A. M., Zanno, M. S., Hussanan, A., & Nisar, K. S (2023). Heat Transfer Enhancement in Sodium Alginate Based Micropolar Nanofluid Using Different Shape of Nanoparticles. *Journal of Applied Mathematics and Mechanics*.

CONFERENCES PAPER PRESENTATIONS

1. **Rani, S.,** Hussanan, A., (2022). Heat transfer flow of viscoplastic nanofluid containing different shape of nanoparticles. *3rd International Scientific Research and Innovation Congress*, 26–27 August, 2022, İstanbul, Turkey.
2. **Rani, S.,** Hussanan, A., (2022). Nanoparticles shape effect on heat transfer flow of Cu-nanofluid with viscous dissipation. *Baskent International Conference on Multidisciplinary Studies-III*, 23–25 September, 2022, Ankara, Türkiye.
3. **Rani, S.,** Hussanan, A., Abbas, A., (2023). Heat transfer in non-Newtonian viscoplastic based Cu-nanofluid containing different shape of nanoparticles. *9th International Zeugma Conference on Scientific Research*, 19–21 February, 2023, Gaziantep, Türkiye.
4. **Rani, S.,** Hussanan, A., Ilyas, A., (2023). Nanoparticle shape effect on Cu-nanofluid under a transverse magnetic field. *5th International Dicle Scientific Research and Innovation Congress*, 09–10 September, 2023, Diyarbakir, Turkey.
5. **Rani, S.,** Hussanan, A., Abbas, A., (2023). Heat transfer enhancement by using non-Newtonian viscoplastic based nanofluid in forced convection flow. *2nd Bilsel International World Science and Research Congress*, 16–17 September, 2023, İstanbul, Türkiye.
6. **Rani, S.,** Hussanan, A., Abbas, A., (2023). MHD carbon nanotubes suspended nanofluid flow with thermal radiation. *2nd Silk Road International Scientific Research Congress*, 26–27 September, 2023 Iğdir, Türkiye.

7. **Rani, S.**, Hussanan, A., H.A.M, Al Sharifi., (2023). Enhanced cooling performance of Fe_3O_4 -Cu hybrid nanofluid using maxwell mode. *II International Korkut Ata Scientific Research Conference*, 07–08 October, 2023 Ankara, Türkiye.
8. **Rani, S.**, Hussanan, A., H.A.M, Al Sharifi., (2023). Heat transfer flow of micropolar nanofluid with suction and injection containing CNTs over a stretching sheet. 6th *International Marmara Scientific Research and Innovation Congress*, 07-08 October, 2023 Istanbul, Türkiye.
9. **Rani, S.**, (2023). Impact of Nanoparticles Shape on the Response of a Sodium Alginate Based Cu-Nanofluid Under a Transverse Magnetic Field. 2nd *International Conference on Recent Advances in Mathematics*, 04-05 December, 2023, Pakistan.

WORKSHOPS

1. Participated in IEEE webinar on “IEEE Xplore Digital Library” organized by HEC, Pakistan, on 31st August , 2022.
2. Participated in IEEE webinar on “From research to Publication: An overview on IEEE Publication Process” organized by HEC, Pakistan, on 14th September , 2022.
3. Participated in IEEE webinar on “IEEE Xplore Digital Library” organized by HEC, Pakistan, on 28th September , 2022.
4. Participated in IEEE webinar on “Preparing your research paper for publication: An IEEE Perspective” organized by HEC, Pakistan, on 12th October , 2022.
5. Participated in IEEE webinar on “IEEE Xplore Digital Library” organized by HEC, Pakistan, on 26th October , 2022.
6. Participated in Elsevier Webinar on “Navigating the pathways of publishing in High-quality journals by using Scopus”, organized by Elsevier in partnership with HEC Pakistan, on Tuesday 15 November, 2022.
7. Participated in Elsevier Webinar on “Enabling a perfect research ecosystem with Science Direct”, organized by Elsevier in partnership with HEC Pakistan, on Monday 28 November, 2022.
8. Participated in IEEE webinar on “IEEE New Resources for your technical research” organized by HEC, Pakistan, on 30th November , 2022.

9. Participated in WILEY webinar on “Accessing Wiley Journals and Publication Tips for Authors and Researchers (HEC)” organized by HEC, Pakistan, on 15 November , 2023.

LANGUAGES

Urdu, English, Saraiki, Punjabi

REFERENCES

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