List of Publications:

1. **Tarikul Islam,** N. Parveen, R. Nasrin (2022): Mathematical Modeling of Unsteady Flow with Uniform/Non-uniform Temperature and Magnetic Intensity in a Half-moon Shaped Domain. Heliyon, 8(3), e09015. https://doi.org/10.1016/j.heliyon.2022.e09015.

2. **Tarikul Islam**, Mehmet Yavuz, Nazma Parveen, Md. Fayz Al-Asad (2022): Impact of Non-Uniform Periodic Magnetic Field on Unsteady Natural Convection Flow of Nanofluids in Square Enclosure. Fractal and Fractional, 6, 101. https://doi.org/10.3390/fractalfract6020101.

3. **Tarikul Islam,** M.N. Alam, M.I. Asjad, N. Parveen, Y.M. Chu (2021): Heatline Visualization of MHD Natural Convection Heat Transfer of Nanofluid in a Prismatic Enclosure, Scientific Reports, 11, Article number: 10972. https://doi.org/10.1038/s41598-021-89814-z.

4. **Tarikul Islam**, **N. Parveen,** M.F.A. Asad (2020): Hydromagnetic Natural Convection Heat Transfer of Copper-Water Nanofluid within a Right-Angled Triangular Cavity. International Journal of Thermofluid Science and Technology, 7(3), Paper No. 070304. https://doi.org/10.36963/IJTST.2020070304.

5. **Tarikul Islam**, N. Akter, N. Jahan (2020): MHD Free Convective Heat Transfer in a Triangular Enclosure Filled with Copper-Water Nanofluid. International Journal of Material and Mathematical Sciences, 2(2), 29-38. https://doi.org/10.34104/ijmms.020.029038.

6. **Tarikul Islam**, M.F.A. Asad, N. Akter (2020): Numerical study of magneto-hydrodynamic natural convection heat transfer and fluid flow of nanofluid in a skewed cavity. Journal of Engineering Mathematics and Statistics, 4(1), 14-36. DOI**:** http://doi.org/10.6084/m9.figshare.12383642.

7. **Tarikul Islam**, M.M. Islam (2020): MHD mixed convective heat transfer of a micropolar fluid over an unsteady stretching porous wedge with viscous dissipation and Joule heating. Journal of Applied Mathematics and Statistical Analysis, 1(1), 1-12. DOI: http://doi.org/10.5281/zenodo.3859468.

8. M.S. Alam, **Tarikul Islam,** M.J. Uddin (2016): Mathematical modeling for heat transfer of a micropolar fluid along a permeable stretching/shrinking wedge with heat generation/absorption. Mathematical Modeling of Engineering Problems, 3, 1-9. DOI: 10.18280/mmep.030101.

9. M.S. Alam, **Tarikul Islam,** M.M. Rahman (2015): Unsteady hydromagetic forced convective heat transfer flow of a micropolar fluid along a porous wedge with convective surface boundary condition**.** International Journal of Heat and Technology, 33(2), 115-122. DOI: http://dx.doi.org/10.18280/ijht.330219.