

DEPARTMENT OF MATHEMATICS

PUBLICATIONS

Faculty: Dr.Nirmala T.

1. **Nirmala T**, Three dimensional flow of nano fluid suspended with carbon nano tubes under the influence of nonlinear convection, Coriolis force and irregular heat source: A comparison study”, Journal of defect and diffusion forum, (2020).
2. H.B. Mallikarjuna, **Nirmala T**, R. Jayadevamurthy and Punit, “Two-dimensional Darcy-Forchheimer flow of a dusty hybrid nano fluid over a stretching sheet with viscous dissipation”, Heat Transfer, (2021).
3. M.C. Jayaprakash, **Nirmala T** and H.B. Mallikarjuna, “Significance of thermal radiation on dusty fluid over a stretching rotating disk with convective boundary condition,” Heat Transfer, (2021).
4. **Nirmala T**, H.B. Mallikarjuna and R. Naveen Kumar, “Carbon Nano tubes suspended dusty nano fluid flow over stretching porous, rotating disk with non- uniform heat source/sink” Int. Journal for computational methods in Engineering Science and mechanics, 22 (1), (2021).
5. Nirmala T and K.N.P. Kumar, Standard model, quantum fields and quantum field theory, Jour. of Research in Physics and Applied Sciences, (2018).
6. **Nirmala T** and K.N.P. Kumar, Higher-Dimensional relativity and tensor theories, JNNCE Journal of Engineering Management (JJEM), Vol 1, issue 2, (2018).
7. **Nirmala T** and Maitreya J. S., Application of Mathematics-Fabrication of Box Wing Plane, JNNCE Journal of Engineering Management (JJEM), (2019).

Faculty: Anil S.C.

1. Gurupadavva Ingalahalli, S.C. Anil, C.S. Bagewadi, A Study on W_7 -Curvature tensor in Para-Sasakian Manifold Admitting Quarter-Symmetric Metric Connection, Asian Journal of Mathematics and Computer Research, (2021), 17-25.
2. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, Some results of Kenmotsu manifolds admitting Schouten-Van Kampen connection, MathLAB Journal, 7, (2020), 191-199.
3. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, A Study on W_8 -curvature Tensor in Kenmotsu Manifolds, Int. J. Math. And Appl., 8 (2), (2020), 27-34.
4. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, Certain Results on $N(K)$ -Contact metric manifold, Asian Journal of Mathematics and Computer Research, 26 (3), (2019), 123-130.

Faculty: Dr.Gurupadavva Ingalahalli

1. Gurupadavva Ingalahalli and C.S. Bagewadi, Ricci solitons in K-contact manifold admitting quarter symmetric metric connection, Accepted in MathLAB Journal (2021).
2. Gurupadavva Ingalahalli, S.C. Anil, C.S. Bagewadi, A Study on W_7 -Curvature tensor in Para-Sasakian Manifold Admitting Quarter-Symmetric Metric Connection, Asian Journal of Mathematics and Computer Research, (2021), 17-25.

3. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, Some results of Kenmotsu manifolds admitting Schouten-Van Kampen connection, *MathLAB Journal*, 7, (2020), 191-199.
4. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, A Study on W8-curvature Tensor in Kenmotsu Manifolds, *Int. J. Math. And Appl.*, 8 (2), (2020), 27-34.
5. Gurupadavva Ingalahalli, S.C. Anil and C.S. Bagewadi, Certain Results on N(K)-Contact metric manifold, *Asian Journal of Mathematics and Computer Research*, 26 (3), (2019), 123-130.

Faculty: Dr. Krishnamurthy M.R.

1. B.J. Gireesha, M.R. Krishnamurthy, K. Ganeshkumar, N.G. Rudraswamy & P.T. Manjunatha, Mathematical and Engineering Aspects of Jeffrey Fluid through a Cattaneo-Christov Heat Flux over an Incessant Moving Needle by Considering Darcy Forchheimer Porous Medium, *Journal of Engineering Mathematics & Statistics (Montech publication)*, Volume 5 Issue 12, (2021).
2. B.J. Gireesha, M. Umeshaiyah & M.R. Krishnamurthy, MHD Flow and Nonlinear Radiative Heat Transfer of Three Dimensional Oldroyd-B Fluid over a Nonlinearly Stretching Surface, *Journal of Engineering Mathematics & Statistics (Montech publication)*, Volume 5 Issue 1, (2021).
3. B. Nagaraj, B.J. Gireesha, G. Sowmya & M.R. Krishnamurthy, Slip and Radiative Flow of Shape Dependent Dusty Nanofluid over a Melting Stretching Sheet, *International Journal of Ambient Energy (TAEN)* (2021) DOI: 10.1080/01430750.2020.1861094.
4. Praveena M.M, Bagewadi C.S. & M.R. Krishnamurthy, Solitons of Kahlerian space time manifolds, *International Journal of Geometric Methods in Modern Physics (IJGMMP)* (2020) DOI: 10.1142/S0219887821500213.
5. N Srikantha, M.R. Krishnamurthy, M M Praveena, K S Onkarappa, K Bharathi & G H Pujar, Nonlinear radiative heat transfer of Magnetite (Fe_3O_4)-water nanofluid over an unsteady stretching surface with fluid particle suspension, Published in the IOP Conf. Series: Materials Science and Engineering, 925, (2020) 012054 doi:10.1088/1757-899X/925/1/012054.