

## **Padmanathan, P**

### **List of Publications:**

- [1] Padmanathan, P., and Vaidyanathan, S., 2012, "Computational Analysis of Shockwave in Convergent Divergent Nozzle," *Int. J. Eng. Res. Appl.*, **2**(2), pp. 1597–1605.
- [2] Padmanathan, P., Thundil Karuppa Raj, R., Nantha Gopal, K., and Vaidyanathan, S., 2013, "Numerical Analysis of Effect of Swirl on Shock Structure through a 3-Dimensional Convergent Divergent Nozzle," *Int. J. Appl. Eng. Res.*, **8**(6), pp. 755–765.
- [3] Misra, S., Satheesh, A., Mohan, C. G., and Padmanathan, P., 2013, "The Numerical Simulation of Double-Diffusive Laminar Mixed Convection Flow in a Lid-Driven Porous Cavity School of Mechanical and Building Sciences 2 Mathematical Modeling Numerical Solution," **8**(4), pp. 131–138.
- [4] Saxena, H., Santoki, A., Awalgaonkar, N., Jivani, A., Gowtham, G., Padmanathan, P., and Natarajan, M., 2014, "Computational Study on Estimating the Surface Heat Transfer Coefficient of Absorber Tube in Solar Parabolic Trough Collector," *Appl. Mech. Mater.*, **446–447**, pp. 1546–1551.
- [5] Aswath, S., Netaji Naidu, V. H., Padmanathan, P., and Raja Sekhar, Y., 2017, "Multiphase Numerical Analysis of Heat Pipe with Different Working Fluids for Solar Applications," *IOP Conf. Ser. Mater. Sci. Eng.*, **263**(6).
- [6] Sekhar, Y. R., Ganesh, D., Kumar, A. S., Abraham, R., and Padmanathan, P., 2017, "Performance Simulation of a Grid Connected Photovoltaic Power System Using TRNSYS 17," *IOP Conf. Ser. Mater. Sci. Eng.*, **263**(6).
- [7] Arun. S, Satheesh A, Mohan CG, Padmanathan P, S. D., 2017, "A Review on Natural Convection Heat Transfer Problems by Lattice Boltzmann Method," **10**(1), pp. 1–11.
- [8] Padmanathan, P., and Vaidyanathan, S., 2018, "Analysis of Supersonic Swirling Flow through a Convergent Divergent Nozzle," **5**(4), pp. 296–300.
- [9] Adithya, K., Ahmed, F., Padmanathan, P., Mohan, C. G., and Prakash, R., 2020, "Design Optimization of Intake Manifold of Dual Fuel Engine," *Mater. Today Proc.*,
- [10] Mohamed Abul , Manish MU, Padmanathan P, Vignesh P, S. A., 2020, "Computational Analysis of Two-Phase Flow in Horizontal Bundles," *Comput. Anal. Two-Phase flow Horiz. Pipeline*, **07**(8), pp. 4450–4461.