

Dr. S. Prathiban M.E., Ph.D.,
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Overview:-

Dr. S. Prathiban Working as an Assistant Professor in the Department of Mechanical at SRMIST, Ramapuram. She Graduated in Mechanical Engineering at Mookambigai College of Engineering, Pudukottai, Tamilnadu, India. She secured Master of Engineering in Engineering design at Adhiyamaan College of Engineering, Hosur, India. She Pursued Ph.D. in the field of Deep Learning Analysis of Heat Pipe Heat Exchanger at Annamalai University, Chidambaram, India. She is in teaching profession for more than 4 years 6 Months. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Heat Pipe Heat Exchanger.

Selected Publications:

Web of Science/SCI

1. Paper published in the International journal of emerging trends in engineering research, Experimental Investigation of Heat Pipe Heat Exchanger with Hybrid Nanofluids, vol.8, oct-2020, 7666-7672 <https://doi.org/10.30534/ijeter/2020/1558102020>.
2. Paper published in the International Journal of Engineering Trends and Technology, Experimental Investigation of Effective Adiabatic Length as A Heat Pipe Heat Exchanger, vol.69, june-2021, 2231-5381.[doi:10.14445/22315381/ijett-v69i6p207](https://doi.org/10.14445/22315381/ijett-v69i6p207).
3. Paper published in the International journal of advanced materials for promoting sustainability, Multi-Objective Optimization of WEDM Parameters on Mg-HNT-Zr Hybrid Metal Matrix Composite Using Taguchi Coupled GRA.
4. Paper published in the International journal of Vehicle Structures and Systems, CFD Analysis of the Ranque-Hilsch Vortex Tubes Effect on Cold Orifice Diameters Under Varying Operating Conditions.

Conference at International Level:

- Automatic Pneumatic Paper in International conference on Core Engineering and Technology, held at PERI Institute of Technology, Mannivakkam, Chennai.

- Analysis of glass and Bagasse fiber in International conference on Core Engineering and Technology, held at PERI Institute of Technology, Mannivakkam, Chennai.

Conference at National Level:

- Effect of blade thickness on wind turbine blades presented in national conference on green manufacturing towards sustainable development, held at Kaveri engineering college, Salem.
- Effect of Aerofoil cross sections on wind turbine blade efficiency- A computational study presented in National conference on Recent Developments in Materials and Manufacturing Process, held at TJ Institute of Technology, Chennai.

Google Scholar:

<https://scholar.google.com/citations?hl=en&user=okckkzcaaaj>

Scopus Id And Orchid Id:

Orcid id: <https://orcid.org/0009-0004-3837-3862>

Scopus id: <https://www.scopus.com/authid/detail.uri?authorid=57224131543>

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