

CURRICULUM VITAE

Personal data

Dr.Suresh.PR,
Principal
Ahalia School of Engg&Technology
Palakkad
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Education

Doctorate Degree

Indian Institute of Technology Madras 2007

PG degree

College of Engineering Guindy. 1991

UG degree

Govt Engineering College Thrissur. 1989

Research focuses/Title of dissertation

Influence of inlet conditions and Geometry in the Development of a plane jet in the transitional regime

Areas of interest-Renewable energy, Micro and Nano heat transfer, Emerging Materials, Instrumentation &Control of power plants , Rural Development

Teaching

Since June 2024 Principal

Ahalia School of Engineering &Technology, Palakkad

June 1991- May 2024 Worked at NSS College of Engineering Palakkad as Professor and Principal

Recent Journal Publications

1. Senthil Kumar, Suyambazhahan S, **Suresh P R** and Velraj R, " Enhancement of Heat transfer Performance of an Aluminum heat sink using different nano coatings", Journal of Enhanced Heat transfer(2020) Dec **2020-(SCIE)**
2. **P.R. Suresh**, K. Srinivasan, and S.K. Das,K.Srinivasan., Experimental investigation of the influence of Reynolds number and buoyancy on the flow development of a plane jet in the transitional regime, Journal of Turbulence ,Vol 22,(2020),PP 26-47(**SCIE**)
3. Jose ,**Suresh.PR** Sajeesh P and Jithu J "Inherent configuration characteristics altering the distillate enhancement of passive stepped solar still: A review" , Journal of king saud university- Engineering sciences, May **2022 (SCOPUS)**
4. Sudeep U Sudheesh Vinod V and **Suresh.PR,**" Investigations on the influence of surface textures On MC silicone Crystal surfaces-Simulations and experiments" (**2022**)-International journal of Renewable energy development 11(2)pp-375-383(**SCOPUS**)

5. Jose ,**Suresh.PR** Sajeesh P and Jithu J “Inherent configuration characteristics altering the distillate enhancement of passive stepped solar still: A review” , Journal of king saud university- Engineering sciences, May **2022 (SCOPUS)**
6. Balachandran, Sriram Vasudevan ,**P.R.Suresh**, "A study of Total Technical Life (TTL) for an Aircraft with implementation and suggestions for improvisation." International Journal of Advanced Intelligence Paradigms(2020),Vol17, No.3/4,PP-238-266 (**SCOPUS**)
- 7.VK Shahir,CP Jawahjar, **PR Suresh**, V.Vinod, Experimental investigation on performance and emission characteristics of a CRDI engine using tyre pyrolytic oil, Journal of king saud university- Engineering sciences, May 2018 (**SCOPUS**)
8. V.K.Shahir, C.P.Jawahar, **P.R.Suresh** “ Comparative study of Diesel and Biodiesel on CI engine with emphasis to emissions –A Review” International journal of Renewable & Sustainable EnergyReviews” ,Vol 45 May (2015), pp686-697-**SCI**
9. **Suresh. P.R**, Sarit K Das, Sundararajan T, “The influence of Reynolds number on the evolution of a plane jet issued from a slit”, **ASME Journal of fluids engineering**, Vol. 129(10), 2007, pp.1288-1295-**SCI**
10. **Suresh. P.R**, Sarit K Das, Sundararajan T, , “Experimental Investigation of influence of momentum thickness on the development of a slightly heated jet”, **International Communications in heat and mass transfer**. 35 (2008) PP 282–288-**SCI**
11. **P. R. Suresh**, T. Sundararajan, Sarit K. Das, *Reynolds Number Dependence of Plane Jet Development in the Transitional Regime*, **Physics of Fluids**, Vol. 20 (4), 2008 , pp. 044105 1-12- **SCI**
12. B. Susanta, **P.R. Suresh**, K. Srinivasan, and S.K. Das, “Effect of upstream developing length on the flow field of twin pipe-jets,” **Proceedings of the Institution of Mechanical Engineers (UK), Part-G: Journal of Aerospace Engineering**, vol.222, No.6, pp.773-782, 2008.-**SCOPUS**

BOOKS /Chapters Published

- 1)An innovative solution for effective enhancement of total technical life of an aircraft, Springer series- https://link.springer.com/chapter/10.1007/978-3-319-47952-1_70
- 2)Distribution loss of electricity and influence of energy flows- A case study in Kerala- http://www.cds.ac.in/krpcds/publication/downloads/wp_23.pdf

FUNDED PROJECTS

1. Distribution loss of electricity and influence of energy flows- A case study in Kerala, A project from Centre for development studies, Thiruvananthapuram 1995-1998, Budget 10 lakhs. (http://www.cds.ac.in/krpcds/publication/downloads/wp_23.pdf)
2. Performance evaluation of CRDI engines using vegetable derived fuels, Funded by KSCSTE (Kerala state council for science technology and environment) , 2008-2011, Rs 10 Lakh (Council order No(T) 387/ETP/2008/KSCSTE dated 28-03-08)
3.) Investigations for improving the conversion efficiency of Multi Crystalline Silicon Photovoltaic Cells by surface Texturing"(ETP/13/2017/K.SCSTE Dtd 12/01/2018) Budget-8 Lakh- Completed 2022

PATENTS- Granted - A mechanism for vehicle customer getting awareness on fuel filling location fuel quality etc while he is away from vehicle and someone else using -Patent granted in Sept 2022

Patent Published - A Wheel chair Convertible to bed 39/2024-dated 27/9/24

Recent Talk Delivered

“Influence of fin geometry on performance of a heat sink”, Invited talk delivered at International Conference on Technology & Science-TECHNO _SCIENCE 2024, , Antalya Turkey , December 18th 2024

Ph D Guidance

Four candidates awarded PhD and One candidate pursuing

Member ship in professional bodies

1. Member in Combustion Institute (Indian Section)
2. Member in Indian society for Technical Education.
3. Member in Indian society of Heat and Mass Transfer
4. Fellow Institution of Engineers(India)
5. Life member, Solar energy Society of India(SESİ)

PREVIOUS POSITIONS

- 1) Calicut University Senate member 2014-2018
- 2) Academic Council Member -APJAK Technological University 2019-2021
- 3) Research Council Member APJAKTU -2021-2023
- 4) Calicut university PG board Member 2021 -2024
- 5) Academic Council Member of KTU(2024)
- 6) Principal, NSS College of Engineering, Palakkad, 2021-2024
- 7) Member, Expert Committee-RUSA 2019-2024

Resource person:

Paper presentation: International-**20**, National- 5

Guest lecture delivered: **15**