

Faculty Profile

Name : Jesseela S.

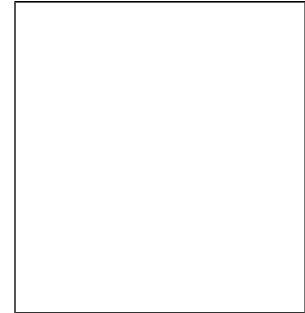
Designation : Associate Professor

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Date of Joining : 10-07-2003

Residential Address : Aashiyana,Puthiyangadi,Kozhikode



Qualifications:

Degree	Area of spln.	Year of graduation	University
B.Tech	Mechanical	1990	Calicut University
M.Tech	Thermal Sciences	1994	NIT Calicut
P.hD	Microscale Heat Transfer	Waiting for final Viva	NIT Calicut

Professional Experience:

Post Held	Institution	Date
Assistant Professor	TKM College of Engg. Kolam	09-06-1994 to 09-07-2003
Assistant Professor	Govt. Engg. College Kozhikode	10-07-2003 to 09-07-2013
Associate Professor	Govt. Engg. College Kozhikode	10-07-2013 onwards

Publications: (conferences / Journals)

Journals

1. Jesseela S and Sobhan C B: Numerical Modeling of Annular flow with Phase Change in Microchannel. International Journal of Thermal Sciences, Elsevier, Vol. 89, 2015, pp. 87-99.
2. Jesseela S, Sobhan C B and Peterson G P: Optimum Design of Microchannel Heat Sinks for Annular Flow with Phase Change, International Journal of Enhanced Heat Transfer, Begell House, ol.21 Nos.4–5,2014,pp.373–395

3. Jesseela S and Sobhan C B: Molecular Dynamics Simulation of Interfacial Phenomena in Two-Phase Flow: A Review, International Journal of Micro-Nano Scale Transport, Multi-Science Publishing, Vol. 1, 2010, pp. 219-243.

Conferences

1. Ajith Krishnan R and Jesseela S: Experimental Investigation of Single Phase Heat Transfer and Pressure Drop in a Rectangular Minichannel with Lower Aspect Ratio, IEEE 2nd International Conference on Knowledge Collaboration in Engineering, March 27- 28, 2015, 978-1-4799-8619-4/15 IEEE.
2. Ajith Krishnan R and Jesseela S :Visualization of Flow Patterns during Flow Boiling in a Rectangular Minichannel, 2nd International Conference on Emerging Trends in Technology and Applied Sciences (ICETTAS'15), ISBN 978-93-84743-79-6.
3. Sajith Krishnan R, Jesseela S:Fluid Flow and Heat Transfer Analysis on Single Phase Flow Through Microchannels with Single Side Heating, Third National Conference on Emerging Trends in Engineering (NET 2015), ISBN 978-93-85477-33-1© 2015,pp. 85-89.
4. Vishnu Sankar R., Sreejith B., and Jesseela S:CFD Analysis of Savonius Wind Turbine with Guide Blades and Twisted Two Stage Rotor , The Third National Conference on Emerging Trends in Engineering (NET 2015), ISBN 978-93-85477-33-1© 2015,pp.112-116

Responsibilities / Contributions to the institute / Dept / university / Govt . etc

1. Board of Studies Member, University of Calicut.
2. STEP4U Co-ordinator 2011-12
3. KTU Co-ordinator 2015
4. Co –ordinate the 3rd national conference (NET 15) on Emerging Trends in Engineering.

Project Using Research Seed Money under TEQIP II

1. Measurement of liquid film thickness during flow boiling in rectangular mini/micro channels
2. Fluid flow and heat transfer analysis on flow boiling in mini/micro channel coated with carbon nanotubes'