

Name: Dr. Parmanand Kumar

Father's Name: Late Satyanarayan Mandal

Present Position: Associate Professor

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DATE OF BIRTH: 01/01/1965

Present Address: Mechanical Engg. Dept

EDUCATIONAL QUALIFICATION:

S. No.	Degree	Board/University	Year	Percentage
1.	Ph.D	IIT Roorkee	2010	-
2.	M.Tech/M.E/M.S/M.Sc	BIT Sindri	1995	7.38
3.	B.Tech/B.E/B.Sc	B.C.E Bhagalpur	1988	I st Class

Ph. D Thesis Topic: Heat Transfer Enhancement By Inserts During Condensation Of R-245fa Inside A Horizontal Tube.

M. Tech Thesis Topic: Performance Of Two Pass Flow Solar Air Heater With Both Sides Roughened Absorber Plate

RESEARCH INTERESTS: Thermal Engineering (Refrigeration and air conditioning).

RESEARCH PUBLICATIONS (With Full Details):

SCI /Scopous

1. A. K. Khatua, **P. Kumar**, H.N. Singh and R. Kumar (2015), *Measurement of enhanced heat transfer coefficient with perforated twisted tape inserts during condensation of R-245fa. Heat and Mass Transfer, Springer*. Springer (Wärme-und Stoffübertragung) SCI Indexed, (ISSN: 0947-7411).

2. A. K. Khatua, **P. Kumar**, H.N. Singh, *Pressure Drop in Condensation of R-245fa in Tubes Fitted with Coiled-Wire Inserts* Journal of Enhanced Heat Transfer Begell House, Publication. SCI Expanded Indexed ISSN Print: 1065-5131

3. R.Kumar, **P.Kumar**, "Meta-Heuristic and RSM Approach for Multi-Objective Optimization of Plain Flow Refrigerant Vapor Condensation Inside Tubes", *International Journal of*

4. R. Kumar, **P.Kumar**, “Curve constrained collision-free trajectory control of hyper redundant planar space robot” *U.P.B. Sci. Bull., Series D, Vol. 79, Iss. 4, 2017 ISSN 1454-2358*

5. R. Kumar, **P.Kumar**, “Multi-objective optimization of condensation heat transfer using teaching–learning-based optimization algorithm”, *ProcIMechE Part A: Journal of Power and Energy* 0(0) 1–10

6. Ramesh Murmu, **Parmanand Kumar**, Hari Singh.” Heat Transfer and friction correlation for inclined spherical ball roughened solar air heater.” *Archives of thermodynamics*.

International Conferences:

1. Bhuvnesh Sharma , Shekhar Baghel, Mani Kant Paswan, **Parmanand Kumar**. “Numerical analysis of suspension system with fractional order controller of quarter car model”. International conference on recent innovation and developments in Mechanical Engineering NIT Meghalaya, Shilong, India, November 8-10.2018 Paper No. IC-RIDME18:103

National Conferences:

10. Vijay Kumar Dalla, N Ravinder Kumar, R Prasad Kumar, “ Intelligent Control of Redundant Robot”, Recent Trends in Mechanical Engg., JNTUH, 26-27 Feb. 2018, Hyderabad, India.

INTERNATIONAL REFREED SCI/SCOUPUS JOURNALS: 06

PAPER SUBMITTED IN SCI JOURNALS: 01

NATIONAL CONFERENCES: 02

INTERNATIONAL CONFERENCES: 01

RESEARCH PROJECTS/Consultancy Projects: 01 submitted

CONFERENCE/WORKSHOP ORGANIZED: 2 proposed

Ph. D. Supervised (With Full Details):

Name	Title	Name of Supervisor	Awarded / Submitted
1. Ajit Kumar Khatua	Effect of inserts on Heat Transfer During Condensation of R-245fa	Dr. Parmanand Kumar	2017(Awarded)
2. Yogesh Kumar Nayak	Modeling And Simulation Of Cylindrical Parabolic Trough Collector For Power Generation	Dr. Parmanand Kumar Dr. V.K Sinha	2019(Awarded)
3. Ravindra	Optimization of heat	Dr. Parmanand	2018(submitted)

Kumar	transfer and fluid flow during condensation of refrigerant inside horizontal tube.	Kumar	
4. Ramesh Murmu			On going
5. Ravinder Kumar			On going
6. Arpit Kumar			On going

