

1- Personal Details

Name : CHANDRA MOULI V. V. KOTTURU
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Nationality : Indian
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2- Area of specialization:

Major	Mechanical Engineering
Minor	Industrial Engineering

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
15/09/2012	PhD	IIT Kharagpur	India	An exploratory Study on Subcontracting Relationships and Growth of Small and Medium Enterprises in In India
02/04/2008	PhD	JNTU Hyderabad	India	Some Constrained Optimization methods for Various Industrial Engineering problems
06/04/2000	M.Tech	JNTU Hyderabad	India	Modernization of Shop Floor layout in a pistons Manufacturing Industry
22/08/1995	AMIE	IE(I)	India	NA

4- Professional Activities:

Job Title	Place	Country	From	To
Coordinator, Research Committee	College of Engineering, Majmaah University	KSA	2016	2019
Coordinator E learning	Department of Mechanical and Industrial Engineering College of Engineering, Majmaah University	KSA	2020	Continuing
Member of Program management, Teaching learning, Learning Resources and Facilities Quality Committee	Department of Mechanical and Industrial Engineering, College of Engineering	KSA	2014	Continuing

5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Assist Professor, Dept. of ME &IE, College of Engineering	Majmaah University, KSA	19-10-2014	Continuing
2	Professor, Dept. of IE, College of Engineering	GITAM University, India	31-01-2001	18-10-2014

6- Areas of Specialization

#	Areas of Specialization
1	Multi Objective Optimization applied to Industrial and Design Applications
2	Policy studies of Growth of SMEs

7- Current membership in professional organizations

#	Membership	ID
1	Fellow of Institution of ENGINEERS (India)	F1143499

8- Publications (most important publications in the last 5 Years)

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Performance Enhancement of Parabolic Trough Collector Solar Thermal Power Plants with Thermal Energy Storage Capability	Ain Shams Engineering Journal Vol. 13 (5), 101716	2022
2	Experimental Investigation on the Performance of Hybrid Fe ₃ O ₄ Coated MWCNT/Water Nanofluid as a Coolant of a Plate Heat Exchanger,	International Journal of Thermal Sciences. Vol. 171, 107249	2022
3	Experimental Analysis of Thermo-hydraulic Performance of Water Based Nanodiamond-Fe ₃ O ₄ Hybrid Nanofluid in a Tube at Turbulent Flow,	Heat Transfer Research, Vol. 52, No.12, pp 1-27.	2021
4	Effect of Core Rod Diameter on Wire Coil Inserts for Heat Transfer and Friction Factor of High-Prandtl Number Magnetic Fe ₃ O ₄ Nanofluids in a Fully Developed Laminar Flow	Heat Transfer Research Vol. 52, No.3, pp 49-75.	2021
5	Heat Transfer and Second Law Analysis of Ethylene Glycol Based Ternary Hybrid Nanofluid under Laminar Flow	ASME Journal of Thermal Science and Engineering Applications Vol. 13, No.5, 051021	2021
6	Heat Transfer, Energy and Exergy Efficiency Enhancement Nanodiamond/Water Nanofluids Circulate in a Flat Plate Solar Collector	Journal of Enhanced Heat Transfer, Vol. 28, No.2, pp 57-99.	2021
7	Transfer, Energy Efficiency and Environmental Emissions Analysis of Flat Plate Solar Collector Using Nanodiamond Nanofluids	Diamond & Related Materials An International Journal, Vol. 110, 117450	2020
8	Performance Enhancement of Solar Tower Power Plant: A Multi-objective Optimization Approach	Energy Conservation and Management, Vol. 225, 113378.	2020
9	Optimization and Performance Comparison of Solar Tower and Photovoltaic Power Plants	Energy, Vol. 199, 15 May 2020, 117450	2020
10	Investigation of Tribological Properties and Engine Performance of Polyol Ester Based Bio-lubricant - Commercial Motorbike Engine oil Blends	Journal of Automobile Engineering, Part D, Vol. 234(5), pp. 130-1317	2020
11	Design of Heat Exchanger with Combined Turbulator	Journal of Thermal Analysis and Calorimetry, Vol. 139, pp. 649-659	2020
12	Policies for Sustainable Growth of the SMEs: A Study in Indian Automotive Component Manufacturing Industry	International Journal of Business Continuity and Risk Management. 9(3), pp. 199-225	2019
13	The Artificial Neural Network and Box-Behnken Design For Cu ²⁺ Removal by the Pottery Sludge From Water Samples: Equilibrium, Kinetic and Thermodynamic Studies,	Journal of Molecular Liquids, Vol. 266, pp. 617-627	2018

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by
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