

## RESUME

Name : Dr. **B.CHANDRA MOHANA REDDY**  
Father's Name : Sri. B.Krishna Reddy  
Date of Birth : 01-08-1968  
Marital Status : Married  
Nationality : Indian-Hindu

### Educational Qualifications:

Course of Study	Year of Passing	Board/University	%	Div.
S.S.C	April 1985	Board of Secondary Education, A.P.	67.3	First
Intermediate	March 1987	Board of Intermediate, A.P.	68.7	First
B.Tech(Mech)	May 1992	S.V. University, Tirupati, A.P.	61.5	First
ME (Production)	July 2002	Osmania University, Hyderabad, A.P.	81.5	Dist.
Ph.D. (Mechanical Engineering)	May-2009	J.N.T. University, Hyderabad, A.P.		

**Permanent Address** : S/o.B.Krishna Reddy  
Thanakantivaripalli  
Krishnapuram(Post)  
Darmavaram(Mandal)  
Anantapur(Dist)-515 159

**Present Address** : Dr. B. Chandra Mohana Reddy  
Asst. Professor,  
Department of Mechanical Engineering,  
J.N.T.U. College of Engineering,  
Anantapur – 515002,  
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9000844305

**Experience:**

1. Working as an **Associate Professor** for 2 years 10 months (8<sup>th</sup> Nov. 2018 to till date) in Department of mechanical engineering, JNTUCE, Anantapur.
2. Worked as an **Assistant Professor** for 12 years (8<sup>th</sup> Nov. 2006 to 8<sup>th</sup> Nov. 2018) in Department of mechanical engineering, JNTUCE, Anantapur
3. Worked as an **Academic Assistant** for 5 years 3 Months(7<sup>th</sup> June 2001 to 8<sup>th</sup> Nov. 2006) in Department of mechanical engineering, JNTUCE, Anantapur.
4. Worked for 4 years and 2 months (1<sup>st</sup> April 1997 to 30<sup>th</sup> May 2001) as a **Production Engineer** in "S.V.Heat Engineering", Hyderabad.
5. Before this I Worked for 3 years and 3 months (10<sup>th</sup> January 1994 to 31<sup>st</sup> March 1997) as a **Production and Maintenance Engineer** in "Kreems Spun Silk Ltd.", Bangalore.

**Additional Duties:**

1. Working as a NSS Co-ordinator from 24-06-2021 to till date in JNTUA, Ananthapuramu
2. Worked as a Head of mechanical engineering department for 3 years 3 months in JNTUACE, Ananthapuramu
3. Worked as a Head of mechanical engineering department(i/c) for one year in JNTUACE, Kalikiri, Chittoor (Dist.)
4. Worked as a Officer incharge of academic section for one year in JNTUACE, Kalikiri, Chittoor (Dist.)
5. Worked as a Officer incharge of MBA for 2 years 6 months in JNTUA, Ananthapuramu
6. Worked as a Officer incharge of workshop & Transport for 3 years 6 months in JNTUACE, Anantapur.
7. Worked as a Student union Coordinator for 5 year 5 months in JNTUACE, Anantapur.
8. Worked as a Deputy Warden for 5 years in JNTUACE, Anantapur.

**Workshops Conducted:**

- 1.Co-coordinator for One Day Academic Exchange Programme on “Awareness On EDP for Managements & Principals of Institutions of JNT University, Anantapur. (AEDP - 2009)”.
2. Coordinator for a One Day Academic Exchange Programme on Formal and Web Based Methodologies for Effective research i.e. FAWMER-2009.
3. Convener for A National level Students Technical Symposium (M-Blitz 2K17) conducted by Department of mechanical engineering, JNTUA College of engineering, Kalikiri, Chittoor (Dist, From 20<sup>th</sup> Jan to 21<sup>st</sup> Jan 2017).

**Orientation / Refresher Course Attended**

Name of the Course	Place	Duration	Sponsoring Agency
81 <sup>st</sup> Orientation Course	UGC-Academic Staff College, University of Hyderabad, Hyderabad	Four weeks 17-4-2013 to 14-5-2013	UGC Sponsored Orientation Course
Material Science(Mechanical Engineering)	UGC-Academic Staff College, University of Mysore, Mysore	Three Weeks 28-10-2014 & 17-11-2014	UGC Sponsored Refresher Course
Faculty development programme on Computational methods for flow and heat transfer analysis- Applications of CFD Tools	Department of Mechanical Engineering, JNTUACEA. A.P.	Two Week 10-3-2014 to 23 -3-2014	AICTE Sponsored, New Delhi
Six day training Programme in Engineering Drawing	Department of Mechanical Engineering JNTUACEA, A.P.	19 <sup>th</sup> to 24 <sup>th</sup> December - 2011	APSCHE in association with JNTUA

**Workshops/conferences Added:**

S.No	Name of the workshop / Conference	Place	Duration	Sponsoring Agency
1.	Workshop on Building and Flying Micro Air Vehicles 28 <sup>th</sup> and 29 <sup>th</sup> Jan 2011	JNTUA, Anantapur	Two days	Self financed
2	One day academic exchange programme on Trends in mechanical engineering research (TIMER-2009)	Department of Mechanical Engineering, JNTUACEA, Anantapur	One day	TEQIP
3.	A international conference & XX National Conference on I.C.Engines and combustion, December 6-8,2007	JNTUH, Hyderabad	Three days	Self financed
4.	A national conference on computer applications in mechanical Engineering, 21 <sup>st</sup> 2005	Department of Mechanical Engineering, JNTUACEA, Anantapur	One day	TEQIP
5.	A two day national workshop on Mechatronics 7 <sup>th</sup> and 8 <sup>th</sup> Dec 2003	Intell Engineering college, Anantapur	Two days	Self financed
6.	A two day workshop on Trends in CNC Machining(TCNM-05), 19 <sup>th</sup> and 20 <sup>th</sup> August 2005	Department of Mechanical Engineering, JNTUACEA, Anantapur	Two days	CADEM, Bangalore

7.	A three day workshop on computational fluid dynamics through Star –CD, 7 <sup>th</sup> feb. and 1 <sup>st</sup> march	Department of Mechanical Engineering, JNTUACEA, Anantapur	Three days	CADEM, Bangalore
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### Membership in Professional Societies:

1. Life Member of Indian Society of Technical Education (I S T E) - Membership No: LM75733
2. Life Member of Institute of engineers (MIE) India - Membership No:M-143513-7

### Awards Received:

- 1) Global Eminent Teacher Award in 28<sup>th</sup> May 2021 by VIJ Trust, Tamilnadu
- 2) Award of excellence in research in 20<sup>th</sup> December 2018 by DK International Research Foundation (DKIRF), recognized by Government of India( ISO 9001:2015 Certified)

### Projects Guided:

1. B.Tech projects guided : 20
2. M.Tech projects guided : 50
3. Ph.D Guided : 07

### Research Projects:

Sl. No	Title	Agency	Period	Grant / Amount Mobilized (Rs. Lakh)	Status
1	Studies on Development of an Integrated Approach for Modeling the Annular Combustors of aero Gas Turbines	Aeronautics DRDO R&D board	2 years	17.97/-	Completed
2	Ultrasonic impact treatment of Ti6Al4V welds of gas turbine modules for fatigue life enhancement	Aeronautics DRDO R&D board	3 Years	18.578/-	initiated

### Papers Published:

#### International Journals:

S.No	Month and Year	Title of the Paper & details	Name of the Journal	Recognized by UGC/SCI/SCI Expand/ others	Impact Factor
1.	2007	Application of fuzzy goal and additive fuzzy goal programming approaches to distributor selection in supply chain.	Journal of engineering and applied sciences, Medwell journals, ANSInet building, Faisalabad, Pakistan,	---	--

		Vol.2,Issue:10,pp.1533-1538.	ISSN : 1816-949x (Print) ISSN : 1818-7803 (Online)		
2.	2008	Simulation of Surge Effect in Supply Chain for Demand Uncertainty at the End Customer tm,Vol. 3, Number 1, pp. 61–72.	International Journal of Applied Engineering Research, © Research India Publications, Print ISSN 0973-4562 Online ISSN 0973-9769 http://www.ripublication.com/ijaer.h,	<a href="#">Scopus Indexed Journal</a> UGC Approved Journal - 2017 (Journal No. - 64529)	<b>RG Journal Impact: 0.14</b>
3.	December 2008	Quota Allocation to Distributors of the Supply Chain under Distributors' Uncertainty and Demand Uncertainty by Using Fuzzy Goal Programming, Volume 2, Number 4, pp: 215 -226	Jordan Journal of Mechanical and Industrial Engineering ISSN 1995-6665, Jordanian Ministry of Higher Education and Scientific Research in corporation with the Hashemite University	<a href="#">Emerging Sources Citation Index (ESCI)</a> , <a href="#">Scopus</a>	----
4.	2011	<a href="#">Optimization of CI engine parameters using artificial neural</a> , volume 1 (2), pp:76-82	Int. J. Mech. Ind. Eng	--	--
5.	Jan. - June 2012	Production Centers Selection Problem for A Manufacturing Firm of Supply Chain under Production Centers' Uncertainty and Demand Uncertainty by using Fuzzy Goal Programming Approaches, Vol. 2, Issue 1,	International Journal of Research in Mechanical Engineering & Technology, ISSN:2249-5762(Online) ISSN: 2249-5770 (print) (www. ijrmec. c o m).	---	Impact Factor:4.506
6.	January 2012	Thermal Conductivity Measurements of Ethylene Glycol Water Based TiO <sub>2</sub> Nanofluids, Volume 4, Number 1, January 2012, pp. <b>105-109(5)</b>	Nanoscience and Nanotechnology Letters ISSN: 1941-4900 (Print); EISSN: 1941-4919 (Online), American Scientific Publishers.	SCIE/SCI Search, Web of Science & Thomson Reuters, Materials Science Citation Index(r) (MSCI)	Impact Factor 2.917
7.	2012	Optimization of a Multi Item Inventory Problem with Multiple Constraints using Kuhn-tucker	International Journal of Applied Engineering Research, © Research India Publications,	<a href="#">Scopus Indexed Journal</a> UGC	<b>RG Journal Impact: 0</b>

		Conditions, , Vol. 7, Number 5, pp. 503–513	Print ISSN 0973-4562 Online ISSN 0973-9769 <a href="http://www.ripublication.com/ijaer.h">http://www.ripublication.com/ijaer.h</a> ,	Approved Journal - 2017 (Journal No. - 64529)	<b>.14</b>
8.	2012	Temperature Dependence of Thermal Conductivity of Water Based TiO2 Nanofluids, , Volume 3, Number 1+2, pp. 43 – 52, 2012.	International Journal of Micro-Nano Scale Transport, Multi-Science Publishing (ISSN 1759-3093)	---	Impact factor 0.5.
9.	June-July 2014	Performance Analysis of Multi-Cylinder C.I. Engine by using Various Alternate Fules, Volume 2, Issue 4, pp.697–707.	<b>International Journal of Engineering Research and General Science, ISSN 2091-2730, (<a href="http://www.ijergs.org">www.ijergs.org</a>)</b>	Open access	Scientific Journal impact factor: 3.843
10.	May-2014	Performance Evaluation of Vapour Compression Refrigeration System With Three Layer Zig-Zag Shaped Evaporator, , Volume 5, Issue 5, pp.929–934	<b>International Journal of Scientific &amp; Engineering Research, ISSN: 2229-5518, (<a href="http://www.ijser.org">http://www.ijser.org</a>),</b>	---	Impact factor : 4.4
11.	April 2015	Fabrication and characterization of Polymer laminate composites reinforced with bi-woven carbon fibers, Volume. 5, Issue 4, ( Part - 7), pp.11-17,	Int. Journal of Engineering Research and Applications ( <a href="http://www.ijera.com">www.ijera.com</a> ), ISSN : 2248-9622,	Open Access Journal	Impact Factor in 2017 = 5.179
12.	2015	A review on classical Shape Memory Alloys, Photon -121, pp. 199-213.	The Journal of Materials Science, Review. ISJN: 6259-3864,	--	Impact Index: 5.35
13.	August 2015	Studies on quantification and reduction of bullwhip effect in supply chain management, Volume 3, Issue 8,	International Journal on Recent researches in Science and Technology(IJRRSET) ISSN Print: 2347-6729 ISSN Online: 2348-3105	UGC Approved Journal No. 45483, ISO 9001:2015 certified Indexed in Thomson Reuters	SJIF - 4.334 Jour Informatic s - 2.54 DIIF - 1.46
14.	July 2015.	Performance and Emission Characteristics of Poppy Seed Oil Diesel Blends on	International Journal of Science and Research (IJSR, ISSN (Online):	Index Copernicus Value	Impact Factor (2013):

		Single Cylinder Four Stroke Diesel Engine volume 4, issue 7, pp. 391-393,	2319-7064,	(2013): 6.14	4.438,
15.	May-June, 2016	Mechanical Properties of Glass, Bamboo and Sisal with Reinforced Epoxy Composite: An Experiment	International Journal of Engineering & Technology Research	--	Impact Factor: 4.982
16.	September 2016	Bending Analysis Of Smart Composite Laminate Plates Using Higher Order Theory	Journal of Applied Sciences Research(Open Access Journal),	Open access	--
17.	December 2016	Transient Analysis Of Smart Composite Laminate Plates Using Higher Order Theory	International Journal Of Mechanical Engineering And Technology	Open access, <a href="#">Scopus Indexed Journal</a>	Impact Factor 9.2286 (Calculated By Gisi).
18.	July 2016	Evaluating The Bullwhip Effect Of Supply Chain Under Uncertainty Environment By Using Simulation Techniques	International Journal Of Science, Engineering And Technology Research	--	--
19.	January 2016	Influence of forecasting factors and methods or Bullwhip Effect and order rate variance ratio in the two stage supply chain – a case study (O) 2454-4698 (P), Volume-4, Issue-1,	International Journal Of Engineering and Technology Research, ISSN: 2321-0869(o) ISSN:2454-4698(p)	--	Impact Factor : <u>2.19</u>
20.	January 2016.	Improvement of Chemical Resistance Of Jute, Glass,Epoxy Hybrid Composites	International Journal of scientific research and management	--	3.994 (Thomson Reuters)
21.	November 2016	CFD Simulation of Heat Transfer and Air Flow in Solar Air Heater	International Journal of Innovative Research in Science, Engineering and Technology,	Open access, ISO 3297: 2007 Certified	Impact factor=7.089
22.	November 2016.	CFD Analysis of Flow and Heat Transfer in Solar Air Heater Duct by using V-Shaped Inclined Continuous Ribs on Absorber Plate	International Journal of Engineering Research & Technology	Open access	Impact factor=5.179
23.	January 2016	Mechanical and Chemical Properties of Bamboo/Glass Fibers Reinforced Polyester	Int. Journal of Engineering Research and Applications ISSN: 2248-9622,	UGC Approved Journal Open access	Impact factor=5.179

		Composites, Vol. 6, Issue 1, (Part - 3), pp.128-132.	www.ijera.com		
24.	February 2017	Vibration analysis of smart composite laminate plates using higher order theory	International Journal of Mechanical And Production Engineering	--	Cosmos Impact Factor-4.022
25.	May 2017	Formulation and evaluation of nano copper gel for treatment of clinical mastitis	Journal of pharmacy research	Approved by UGC (Scopus Indexed 14 no.)	0.575
26.	April 2017	An experimental investigation on tensile properties and energy absorption capabilities of hybrid nano metal matrix (al 6061+b4c+sic) composites	International journal of advances in engineering & technology	--	Impact Factor: 3.43
27.	December 2017	A Review on Optimization of Cutting Parameters in Machining Using Predictive Models	International Journal for Research in Applied Science & Engineering Technology	UGC Approved Journal	SJ Impact Factor 6.887
28.	November 2017	Bifurcation Buckling of a Corrugated Jet Pipe Liner for an Aero-Engine Afterburner	International Journal Of Engineering Science And Technology	--	--
29.	September 2017	Evaluation of Mechanical Properties of Cordia Dichotoma Based Natural Fibre/Epoxy Composite	International Journal of Engineering Research in Mechanical and Civil Engineering	Open access	3.8 (Thomson Reuters)
30.	November 2017	Reverse engineering ancient cu based drugs, their synthesizing methods and evolution using Vedic mind tools	Drug Invention Today	Approved by UGC	--
31.	2017	Mechanical properties of burmese silk orchid fiber reinforced epoxy composites, Proceeding 4, pp 3116–3121 ,	5th International Conference on Materials Processing and Characterization, Materials Today: Proceedings, Science Direct (Elsevier), Available online at www.sciencedirect.com	SCI, Approved by UGC ( J.No 49021)	<b>RG Journal impact history=0.71</b>
32.	2017	A Critical review on ancient alchemical metal treatment procedures in rasagrandhas and brhadvimanika Shasta,	International Conference on advancements in aeromechanical materials for manufacturing (ICAAMM-2016),	SCI Approved by UGC ( J.No 49021)	<b>RG Journal impact history=0.</b>



		Proceeding 4, pp 8345-8354	Materials Today: Proceedings ,Science Direct (Elsevier), Available online at www.sciencedirect.com		<b>71</b>
33.	2017	Effect of Fiber Orientation and Loading on the Tensile Properties of Hardwickia Binata Fiber Reinforced Epoxy Composites, Volume 117, No. 10 , 57-61	International Journal of Pure and Applied Mathematics, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) url: http://www.ijpam.eu	SCOPUS	Impact Factor; <b>7.19</b>
34.	2017	Enhancement of Heat Transfer in Solar Air Heater with Parallelogrm Protrusions as Roughness Elements	International Journal for Research in Applied Science & Engineering Technology, Available at www.ijraset.com	Open access, UGC Approved Journal till May 2018	Scientific Journal Impact Factor: <u>7.429</u>
35.	2018	Mechanical, morphological, and thermogravimetric analysis of alkali-treated Cordia-Dichotoma natural fiber composites	Journal of Natural Fibers (Taylor & Francis Inc)	Indexed: SCI, Elsevier Open access Approved by UGC ( J.No: 24766),	Impact Factor 1.076 (Thomson Reuters)
36.	2018	Experimental investigation and multi objective optimization for wire EDM using TOPSIS and SVNS method	Journal of Advanced Research in Dynamical and Control Systems	Open Access Approved by UGC ( J.No: 26301) Elsevier Scopus indexing 2018	--
37.	2018	Optimization of WEDM Parameters for SUPER Ni-718 Using GRA with Neutrosophic Sets	International Journal of Applied Engineering Research	Approved by UGC ( J.No: 64529) SCOPUS(2010-2017)	<b>RG Journal Impact: 0.14</b>
38.	June 2018	Experimental investigations on MRR, Surface Roughness and Dimensional Deviation of SuperNI-718 alloy steel in Wire-EDM using Taguchi Method	International Journal for Research in Engineering Application & Management (IJREAM)	Approved by UGC ( J.No: 64529) Indexed: Thomson Reuters	<b>IJREAM Impact Factor:5.646</b>
39.	2018	Effect of Alkali Treatment on Mechanical, Water	International Journal of Applied Engineering	Approved by UGC (	<b>RG</b>

		Absorption and Chemical Resistance Properties of Cordia-Dichotoma Fiber Reinforced Epoxy Composites	Research	J.No: 64529) SCOPUS(2010-2017)	<b>Journal Impact: 0.14</b>
40.	2018	Solar air heater duct having triangular protrusions As roughness elements on absorber plate	International Journal of Scientific Research and Review	Approved by UGC ( J.No: 64650 ) ISO 7021 : 2008 Certified Journal, Elsevier Mendely	Scientific Journal Impact Factor - 6.1
41.	March 2018	Synthesis and Characterization of Jute Reinforced Composites with Wollastonite Filler	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	---	SJ Impact Factor: 6.887
42.	August-2018	Fabrication and experimental analysis of solar based thermo electric cooling system	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	--	Impact Factor: 5.22 (SJIF-2017),
43.	September 2018	Experimental analysis of cop in domestic refrigerator by using phase change materials	Journal of Emerging Technologies and Innovative Research	Open Access Journal & approved by UGC	Impact Factor: 5.87
44.	February 2018	A case study of reverse engineering integrated in an ancient Indian alchemical alloying W.S.R to AU-CU-ZN Alloy using part whole Schema	International journal of Mechanical and Production Engineering and development ( Trans stellar)	Approved by UGC , <u>Scopus Indexed Journal(IJMPERD)</u>	Impact Factor (JCC): <u>7.6197</u>
45.	March 2018	Enhancement of Heat Transfer in Solar Air Heater Duct having Different Pitch of Triangular Protrusions as Roughness Elements on Absorber Plate	Indian Journal of Science and Technology	Open access Indexed in: ISI, Thomson Reuters (Web of Science)	IC Impact Factor : 5.07
46.	March 2018	Enhancement of Heat Transfer in Solar Air Heater with Parallelogm Protrusions as Roughness Elements	International Journal for Research in Applied Science & Engineering Technology	Approved by UGC	SJ Impact Factor: 6.887
47.	Apr 2018	Impact strength, water absorption and chemical Resistance of untreated and	International Journal of Mechanical and Production	Approved by UGC Scopus	Impact Factor (JCC):

		treated cordia Dichotoma fiber/polyester composite	Engineering Research and Development (IJMPERD) ( Trans stellar)	Indexed Journal(IJMP ERD)	7.6197
48.	July-2018	Automobile Brake Failure Indicator, Volume 4, Issue 7, pp: 322-326.	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e- ISSN: 2455-2585	<b>Open access</b> ISO 9001: 2008 Certified	Impact Factor: 5.585 (SJIF)
49.	November 2018	Design and Fabrication of Cart with Crank- Based Walking Mechanism, Vol. 7, Issue 11, pp: 11211- 11218	International Journal of Innovative Research in Science, Engineering and Technology ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, www.ijirset.com	---	Impact Factor : 7.089
50.	2018	Experimental investigation on the mechanical properties of Hardwickia Binata fibre reinforced polymer composites, <a href="#">Volume 5, Issue 9, Part 3</a> , pp ;19899-19907	Materials Today: Proceedings ,Science Direct (Elsevier), Available online at www.sciencedirect.com	SCI Approved by UGC ( J.No 49021)	<b>RG Journal impact history=0. 71</b>
51.	2018	Processing of Magnesium Metal Matrix Composite Reinforced with Graphene Nanoplatelets through Vacuum Stir Casting and Investigating its Mechanical Behaviour, Volume 5(3) pp: 21–29	Journal of Thin Films, Coating Science Technology and Application, eISSN: 2455-3344	Open Access Indexed in Google Scholar	--
52.	December 2018	Specific power reduction in vertical roller coal mill by using cause & effect analysis, Volume 5, Issue 4, pp:533-540	International Journal of Research and Analytical Reviews, E-ISSN 2348-1269, P- ISSN 2349-5138, www.ijrar.org	An UGC- CARE Approved Group - II Journal ( Scopus Indexed Till 2005)	Scientific Journal Impact Factor - 6.1
53.	August- 2018	Fabrication and experimental analysis of solar based thermo electric cooling system, Volume 4, Issue 8, Pp:155-161	International Journal of Technical Innovation In Modern Engineering & Science, E-ISSN: 2455- 2585	Open Access ISO-9001- 2008 certified	Impact Factor: 5.22
54.	Feb 2018	Chemical and water absorption behaviour of hardwickia binata fiber reinforced composites,	International Journal of Mechanical and Production Engineering Research and	Approved by UGC Scopus Indexed	Impact Factor (JCC): <u>7.6197</u>

		Vol. 8, Issue 1,pp: 471-478	Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001, TJPRC Pvt. Ltd., Trans stellar publications	Journal(IJMP ERD)	
55.	2018	Effect of Temperature on Tensile Properties of Aa6061-ALNP Composite, Vol. 10, Issue 10,pp: 01-06	Journal of advanced research in dynamical and control systems, ISSN: 1943-023X	—	Scopus SJR 2019=0.19
56.	2018	Characterization of New Cellulosic Fiber from the bark of Hardwickia Binata (Narepa), Volume 13, Number 2, pp. 967-972	International Journal of Applied Engineering Research, Print ISSN 0973-4562 Online ISSN 0973-9769 Research India Publications. <a href="http://www.ripublication.com">http://www.ripublication.com</a>	SCOPUS(20 10-2017), UGC Approved Journal - 2017 (Journal No. - 64529)	<b>RG Journal Impact: 0 .14</b>
57.	October 2019	Performance Evaluation of Shell-and-Tube Heat Exchanger with 3-Fluid Sets using CFD and NTU, Volume-9, Issue-1, pp:1416-1420	International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958. (Blue Eyes Intelligence Engineering & Sciences Publication)	Scopus Indexed( Else vier )	Impact Factor : 5.97
58.	June 2019	Tribological & Mechanical Characterization Of Al- 6061 Hybrid Metal Matrix Composite With SiC & Graphite As An Reinforcement, Volume 6, Issue 6, pp: 624-633	Journal of Emerging Technologies and Innovative Research (JETIR) ,ISSN-2349- 5162, <a href="http://www.jetir.org">www.jetir.org</a>	<b>Open access,</b> UGC Approved (Journal No: 63975)	Impact Factor: 5.87
59.	2019	A Review On Materials Used For Marine Propellers, Proceeding 18, 4482–4490	ICMPC_2019, Materials Today: Proceedings, Science Direct (Elsevier), Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>	SCI Approved by UGC ( J.No 49021)	<b>RG Journal impact history=0. 71</b>
60.	June 2019	Experimental investigation on vapour compression Refrigeration system with phase change material including diffuser and nano particles, Volume 6, Issue 2, pp; 439-444	International Journal of Research and Analytical Reviews (IJRAR), E- ISSN 2348-1269, P- ISSN 2349-5138, <a href="http://www.ijrar.org">www.ijrar.org</a>	Open Access, UGC Approved Journal NO: 43602	Google Scholar h- index impact factor of 2018: 5.75

61.	June 2019	Improvement of Plant Layout using Systematic Layout Planning (SLP) in Idler Manufacturing Industry, Volume 09 Issue 06, pp: 295-305	International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, <a href="http://indusedu.org">http://indusedu.org</a>	UGC approved Journal No. 42301	Impact Factor: 6.565(SJIF)
62.	July 2019	Experimental investigation on performance of diesel engine on mixing of two biodiesels blended with diesel, Volume: 06 Issue: 07, pp: 2846- 2852	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, <a href="http://www.irjet.net">www.irjet.net</a>	Open Access, UGC Approved (UGC 45170) ISO 9001:2008 Certified Journal	Impact Factor value: 7.211
63.	June 2019	Optimization of Turning Parameters on 45C8 Steel Cylindrical Rods Using Grey- Taguchi Methodology, Volume-9, Issue-6,pp: 314-324	International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, <a href="http://indusedu.org">http://indusedu.org</a>	UGC approved Journal No. 42301	Impact Factor: 6.565(SJIF)
64.	June 2019	Six Sigma-DMAIC Approach for Improving Quality of Sinter at Sinter plant, Volume 09 Issue 06, pp: 325-346	International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, <a href="http://indusedu.org">http://indusedu.org</a>	UGC approved Journal No. 42301	Impact Factor: 6.565(SJIF)
65.	August 2019	Fabrication and Performance Evaluation of the Solar Parabolic Dish Collector with Pin Fin Absorber, Volume XI, Issue VIII,PP:962-973	The International journal of analytical and experimental modal analysis. ISSN NO: 0886-9367	Open Access, An UGC-CARE Approved Group - II Journal list -Serial No. 36272 ( Scopus Indexed Till 1992)	Scientific Journal Impact Factor - 6.3
66.	<b>June 2019</b>	Optimal design of spur gear by using rapid prototyping and reverse engineering	International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, <a href="http://www.ijrar.org">www.ijrar.org</a>	Open Access, UGC Approved Journal NO:	Google Scholar h-index impact factor of

				43602	2018: 5.75
67.	October-2019	Statistical Approach for behavior of Cutting Parameters of Turning Operation, Vol. 8 Issue 10, pp:455-459	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 <a href="http://www.ijert.org">http://www.ijert.org</a>	Open Access (Expect to be indexed in SCOPUS & Web of Science (WoS))	--
68.	September 2019	Tensile Properties of Hardwickia Binata and Banana Fiber Reinforced Hybrid Composites, Special Issue, No.-3, pp 194-201	J. Mech. Cont.& Math. Sci., ISSN PRINT : 0973-8975 ISSN ON LINE : 2454-7190, <a href="http://www.journalimcms.org">www.journalimcms.org</a>	ESCI(Emerging Sources Citation Index) UGC CARE List, Group - II, India, Web of Science	GENERAL IMPACT FACTOR: 2.6243
69.	February, 2020	Mechanical and Metallurgical Characterization of Al/Ceramic MMC, Volume-9, Issue-3 and pp:526-529	International Journal of Engineering and Advanced Technology (IJEAT) , ISSN: 2249 – 8958, (Blue Eyes Intelligence Engineering & Sciences Publication)	Scopus Indexed( Elsevier )	Impact Factor : 5.97
70.	2020	Open Water Characteristics and Free Vibration Analysis of Actual and Scaled Marine Propeller, Vol. 29, No. 10S, pp. 8262-8273, 2020	International Journal of Advance Science and Technology, ISSN: 20 05-4238 IJAST, SERSC Australia.	Scopus Indexed( Elsevier)	<b>SJR 2019 0.108</b>
71.	June 2020	Fabrication and Study of the Mechanical Properties of AA7129 Alloy Reinforced with B4C &TiC Volume 4 Issue 4, pp: 1566 -1571	International Journal of Trend in Scientific Research and Development (IJTSRD), e-ISSN: 2456 – 6470, Available Online: <a href="http://www.ijtsrd.com">www.ijtsrd.com</a>	Open Access	Impact Factor : 6.005
72.	2020	Mechanical characterization of chemically treated used jute fiber reinforced epoxy composite with SIC fillers	Materials Today: Proceedings ,Science Direct (Elsevier), Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>	SCI Approved by UGC ( J.No 49021)	RG Journal impact history=0.71
73.	2020	The effect of granite powder on mechanical, structural and water absorption characteristics	Polymer Testing, Science Direct (Elsevier), ISSN: 0142-9418 journal homepage:	SCI (Science Citation Index), Web of Science,	Impact Factor: 3.275

		of alkali treated cordia dichotoma fiber reinforced polyester composite, Polymer Testing 91, 106782	<a href="http://www.elsevier.com/locate/polytest">http://www.elsevier.com/locate/polytest</a>	Scopus	
74.	31 Jul 2020.	Study on the Effect of Granite Powder Fillers in Surface-treated Cordia Dichotoma Fiber-Reinforced Epoxy Composite	Journal of Natural Fibers (Taylor & Francis Inc)	Indexed: SCI, Elsevier Open access Approved by UGC ( J.No: 24766),	Impact Factor 1.076 (Thomson Reuters)
75.	2020	Effect of ceramic fillers on flexural strength of the GFRP composite material	Materials Today: Proceedings ,Science Direct (Elsevier), Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>	SCI Approved by UGC ( J.No 49021)	RG Journal impact history=0.71
76.	2020	Feature extraction of moving objects using background subtraction technique for robotic applications, DOI: <a href="https://doi.org/10.1007/s41315-020-00145-0">https://doi.org/10.1007/s41315-020-00145-0</a>	International Journal of Intelligent Robotics and Applications, ISSN 2366-5971	<a href="http://www.springer.com">Springer</a> UGC-CARE List (India) Emerging Sources Citation Index, SCOPUS, open access	--
77.	2020	A study on mechanical, structural, morphological, and thermal properties of raw and alkali treated Cordia dichotoma-polyester composite,; pp: 1–11., DOI: 10.1002/pc.25826	Polymer Composites. 2020ISSN: 0272-8397 eISSn: 1548-0569	SCIE (Science Citation Index Expanded), Scopus,	Impact Factor: 2.265

### National Journals:

S.No	Month and Year	Title of the Paper & details	Name of the Journal	Recognized by UGC/SCI/SCI Expand/others	Impact Factor
1.	2006	Simulative comparison of inventory policies used in service oriented distribution centers of supply chains, Special Issue, pp. 15-21	Industrial Engineering journal, Indian institution of industrial engineering, Navi Mumbai	--	--

2.	March 2019	Computational Analysis of Heat Transfer Effect on Liquid–Vapor Phase Change and Boiling-Induced Phase Instabilities, volume 101, pp:193–201(2020)	Journal of The Institution of Engineers (India)- Series- C, ISSN: 2250-0545 (Print), 2250-0553 (Online)	Springer Journal, SCOPUS	--
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### International Conferences:

S. No.	Month and Year of Presentation	Title or Topic of Invited Lecture or Presentation	Name of the conference/seminar	International / National / State / University level	Location where the event is organized
1.	15 <sup>th</sup> - 17 <sup>th</sup> December-2008.	Suppliers selection problem for the supply chain under Suppliers' uncertainty and demand uncertainty by using Fuzzy goal programming, pp.106	International conference on operations research for a growing nation in conjunction with the 41 <sup>st</sup> Annual convention of operational research society of India (ORSI)	International	Tirupati Chapter, S.V. University, Tirupati, A.P., India,
2.	19 <sup>th</sup> – 21 <sup>st</sup> December-2003	Internet Based Condition Monitoring Of Multi-Stations Industrial Machines By Using Vibrational Analysis	International Conference in Engineering and Technology-2003	International	Kalinga Institute Of Industrial Technology, Bhubaneswar, Orissa, India
3.	<b>December 27-30, 2011</b>	<b>Temperature Dependence of Thermal Conductivity of Water Based Tio<sub>2</sub> Nanofluids</b>	<b>Proceedings of the 21<sup>st</sup> National 10<sup>TH</sup> ISHMT-ASME Heat and Mass Transfer Conference,</b>	International	<b>IIT Madras, India</b>
4.	February 4 <sup>th</sup> - 7 <sup>th</sup> ,2014	Structural analysis and experimental validation of exhaust frame of an aero gas turbine engine , , Indira Gandhi center for atomic research	First international conference on structural integrity, ICONS-2014	International	Kalpakkam Societ for failure analysis, The Indian Institute of Metals, Kalpakkam Chapter, The Indian Institute



					of welding, Bangalore
5.	August 21-23, 2014	Performance and emission analysis of a diesel engine using tobacco seed oil as alternative fuel, ISBN 978-93-5107-271-3, pp.142-151	International Multi Conference on innovation in Engineering and Technology(International Conference on mechanical Engineering) ICME-2014(ELSEVIER)	International	Bangalore, India
6.	2017	Trace the centriopd object on a conveyor using digital image processing, pp.33-37	Proceedings of ICMTS	International	IIT Madras
7.	July 27- 29, 2017	Effect of nano-clay mineral addition on tribological properties on jute/epoxy composite by using design of experiment approach	10 <sup>th</sup> International Conference on emerging materials and nanotechnology,	International	Vancouver, Canada
8.	Decemb er 07- 09,2017	Feature Extraction of Moving Object over a Belt Conveyor Using Background Subtraction Technique, , India, pp.87-91,	10 <sup>th</sup> International Conference on Precision, meso, micro and nano Engineering (COPEN 10)	International	Indian Institute of technology madras, Chennai- 600036
9.	5 <sup>th</sup> and 6 <sup>th</sup> January 2018	Optimization of WEDM parameters for Super Ni-718 using Neutrosopic sets and TOPSIS METHOD, pp 184	1 <sup>st</sup> International Conference on innovations in mechanical engineering	International	Department of Mechanical Engineering, Gurunanak Institutions, Hyderabad
10.	29 <sup>th</sup> &30 <sup>th</sup> Novemb er 2017	Optimization of Tensile strength of hybrid class/epoxy composite material with white cement filler by using ANOVA, pp 178-183	International Conference on Future Technologies in Mechanical Engineering (ICFTME'17),	International	Department of Mechanical Engineering, Malla Reddy College of Engineering, Hyderabad
11.	2018	An investigation on dry sliding wear behaviour of AA6061-AlNp composite	IOP Conf. Series: Materials Science and Engineering, volume(330)	International	Published under licence by IOP Publishing Ltd

			(ICRAMMCE 2017)		
12.	12 December 2019	Experimental Investigations on Microstructure, Mechanical and Wear Behavior Under Dry Sliding of Al6061 with Particulate-Reinforced SiC and TiB <sub>2</sub> Metal Matrix Composite Developed by Stir Casting, pp 293-304	<a href="#">Emerging Trends in Mechanical Engineering</a> , Print: ISBN978-981-32-9930-6 Online: ISBN978-981-32-9931-3	International	Publisher Name: Springer, Singapore
13.	First Online: 07 November 2019	A New Approach to Control the Position of Joint Arm Robot Using Image Background Subtraction Technique, pp 845-854	<a href="#">Advances in Simulation, Product Design and Development</a> , Print: ISBN: 978-981-32-9486-8 Online: ISBN: 978-981-32-9487-5	International	Publisher Name: Springer, Singapore
14.					

#### National conferences:

S. No.	Month and Year of Presentation	Title or Topic of Invited Lecture or Presentation	Name of the conference/seminar	International / National / State / University level	Location where the event is organized
1.	Dec 21 <sup>st</sup> , 2002	Numerical predictions of the effect of piston bowl configuration on the in cylinder fluid flow in a D.I. Diesel Engine	National Conference on advanced trends in Mechanical Engineering Research and Development	National	Dept. of Mech.Engg., J.N.T.U.C.E, Anantapur

2.	Dec 21 <sup>st</sup> , 2002,	Use of alcohols in Diesel Engines with the concept of surface ignition	National Conference on advanced trends in Mechanical Engineering Research and Development	National	Dept. of Mech.Engg., J.N.T.U.C.E, Anantapur
3.	Dec 21 <sup>st</sup> , 2002	Web based condition monitoring of the industrial machines by using vibration analysis	National Conference on advanced trends in Mechanical Engineering Research and Development	National	Dept. of Mech.Engg., J.N.T.U.C.E, Anantapur
4.	21 <sup>st</sup> & 22 <sup>nd</sup> June 2013	Prediction and analysis of surface roughness of an Aluminium alloy materials using ANN in CNC turning, , pp. 150-157	National Conference on Innovations in Mechanical Engineering	National	MITS, Madanapalli, Chittoor (Dist.) AP, India,
5.	23 <sup>rd</sup> september-2015.	Comparison of performance and emission characteristics of C.I. Engine by using different piston coatings	National Conference on Trends in Mechanical Engineering	National	Dept. of Mech.Engg, JNTUACEA.,A P, India.(Sponsored by UGC),
6.	23 <sup>rd</sup> september-2015	Effect of capillary tube diameter on the performance of vapour compression refrigeration system using R437A as working medium	National Conference on Trends in Mechanical Engineering	National	Dept. of Mech.Engg, JNTUACEA.,A P, India.(Sponsored by UGC),
7.	23 <sup>rd</sup> september-2015	Design and analysis of grid connected hybrid PV – Diesel power system	National Conference on Trends in Mechanical Engineering	National	Dept. of Mech.Engg, JNTUACEA.,A P, India.(Sponsored by UGC),
8.	23 <sup>rd</sup> september-2015	Evaluation of performance and emission characteristics of poppy seed oil blends on single cylinder four stroke diesel engine	National Conference on Trends in Mechanical Engineering	National	Dept. of Mech.Engg, JNTUACEA.,A P, India.(Sponsored by UGC),
9.	23 <sup>rd</sup> september	Optimization of commercial vehicle	National Conference on	National	Dept. of Mech.Engg,

	ber-2015	Exhaust flex bellow	Trends in Mechanical Engineering		JNTUACEA.,A P, India.(Sponsored by UGC),
10.	23 <sup>rd</sup> September-2015	Experimental analysis of double pass solar air heater with different inclinations.	National Conference on Trends in Mechanical Engineering	National	Dept. of Mech.Engg, JNTUACEA.,A P, India.(Sponsored by UGC),
11.	9 <sup>th</sup> -12 <sup>th</sup> December 2016.	objective tracking on moving conveyor using image subtraction with Gaussian mixture model(GMM),,	Silver Jubilee Congress of APSMS-2016 and national conference on Emerging trends in mathematical Sciences & applications in engineering Sciences	National	Department of mathematics, N.B.K.R.Institute of science and Technology (Autonomous), Vidyanagar, SPSR Nellore Dist

Place: Anantapur

Date :

**(Dr. B.CHANDRA MOHANA REDDY)**