

## BIO DATA



### GENERAL INFORMATION

Name : B.R.Ramesh Bapu

Date of Birth : 19<sup>th</sup> December 1965

Fathers Name : B.S.Ramakrishnan

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Kilpauk Garden 2<sup>nd</sup> Street,  
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Google Scholar : <https://scholar.google.com/citations?hl=en&user=j85s9XsAAAAJ>

### EDUCATIONAL QUALIFICATIONS:

NAME OF DEGREE/DIPLOMA	NAME OF THE UNIVERSITY/COLLEGE	YEAR OF PASSING	DIVISION
Ph.D	Jawaharlal Nehru Technological University, Hyderabad. A.P	July 2005	
M.S. (Engineering)	BITS, Pilani	1997	I Class
M.E (CAD)	Madras University	2000	I Class
B.E(Mechanical Engg.)	Madurai Kamaraj University	1989	I Class
PGDCA	Madurai Kamaraj University	1991	I Class

## TEACHING EXPERIENCE

Name of the Institution	DURATION		EXP.IN YEARS	Different Positions Held.
	FROM	TO		
Prathyusha Engineering college, Chennai - 602025	07-07-2021	Till Date	1 Year 10 Months	<b>Principal (Head of the Institution)</b>
Chennai Institute of Technology Kundrathur P.O, Chennai – 600 069	01.10.2012	23.6.2021	8 Year 1 Month	<b>Professor of Mechanical Engg, Dean R&amp;D</b>
RVS Padhmavathy College of Engg & Technology, Chennai	07.05.2011	31.08.2012	1 year 4 Months	<b>Principal (Head of the Institution)</b>
Vel Tech Dr.RR & Dr.SR Technological University, Avadi, Chennai	14.07.2010	21.4.2011	9 Months	<b>Professor &amp; HoD, Aeronautical Engineering</b>
Shri Shirdi Sai Institute of Science and Engineering, Anatapur, AP, India	20.06.2009	13.07.2010	1 Year 1 Month	<b>Principal (Head of the Institution)</b>
Shri Sai Institute of Engineering and Technology, Anatapur, AP, India	14.05.08	19.06.2009	1 Year 1 Month	<b>Principal (Head of the Institution)</b>
SATHYABAMA UNIVERSITY, Old Mamallapuram Road, Chennai	15.11.1995	13.05.2008	12 ½ Years	1. <b>Professor and Head</b> of Aeronautical Engineering Dept. (June 2004-May 2008) 2. Assistant Professor of Mechanical & Production Engineering (1997 to 2003) 3. Sr. Lecturer (1995-97)
K.L.N College of Engineering, Madurai	14.10.1994	09.11.1995	1 Years	Lecturer / Mechanical Engineering
K.L.N. Polytechnic, Madurai	20.08.1984	13.10.1994	10 years	Lecturer / Mechanical Engineering

### **The List of researchers successfully completed Ph.D under Guidance**

1. Dr.V.Krishnamoorthy, Principal, SRR Engineering College, Chennai. Title: Enhancement of SI Engine performance through extended expansion and lean burn techniques.

**His PhD Final Viva-voce Examination held on 18.04.2008**

2. Dr.B.Kanimozhi (Reg no: 2006194242), Professor, Mechanical and Production Engineering, Sathyabama University, completed the research work on Behavior of Thermal Fluids in Cascaded-Multi Temperature Latent Heat Storage Systems. – **PhD Awarded from Sathyabama University**

3. Dr.S. Mahalingam, (Reg. No:2009794212), Assistant Professor, Mechanical, Sathyabama University. Research Topic: Experimental analysis of effect of injection parameters on ceramic coated CI engine using diesel blended with Jatropha and Rubber seed oil. **His PhD Final Viva-voce Examination held on 14.02.2015**

4. Dr. K.N.Balan (Reg. No. 2008194298), Associate Professor, Mechanical, Sathyabama University. Research Topic: Experimental Investigation and Analysis of High Velocity Oxy Fuel (HVOF) and Detonation Gun (D-Gun) Coating Technique **His PhD Final Viva-voce Examination held on 20.02.2015**

5. Dr. L.Saravana Kumar (Completed Ph.D at JNTU-A), Asst. Prof, Mechanical, Sai Ram Engg Collge, Chennai. Research Title: Experimental Investigations on 4-stroke single cylinder variable compression ratio 9VCR) C.I Engine using bio-fuels.

6. N.Gayathri (Reg.No: 2011172052 - AUT, Chennai), “Enhancing the life and efficiency of Turbo engines by optimizing the design of turbine blades by using nano composite coating and validation using CFD Analysis”. (**PhD Final Viva-voce Exam held on 01.03.2019**)

7. S.Mohamed Illyas (Roll No. 10022P0333), JNTU, Kakinada, Research Topic: Research Scholar Experimental and Computational Analysis of Heat Transfer and Flow Characteristics of Swirling Jet Impingement Cooling, **(PhD Final Viva-voce Exam held on 20.07.2020)**
8. G.Suganya, (Regn. No. SP11MEDB185) , St. Peters University, Avadi, Research Title: “Experimental Investigation and Analysis of Compact PCM Filled Thin Tube Latent Heat Solar Water Heater”, **(PhD Final Viva-voce Exam held on 11.01.2020)**
9. S. Kayalvizhi, (Reg. No: 1522499259 – Under ICE Dept, AUT, Chennai), “An Heterogenous Investigation on Thermal Problems of High Density Network-On-Chip’s Throughput Enhancement”.  
**(PhD Final Viva-voce Exam held on 08.02.2021)**
10. Somasundaram S, (Reg. No: 2011172056), “STUDIES ON NOVEL SWIRL THERMAL SPRAY COATING OF CARBONACEOUS NANO PARTICLES ON IC ENGINE COMPONENTS”.  
**(PhD Final Viva-voce Exam held on 15.03.2021)**
11. T.Sukumar (Jawaharlal Nehru Technological University, Anantapur), “Investigation on Hyper-Elastic Materials to Predict the Sealing Behaviors using Numerical Analysis”.  
**(PhD Final Viva-voce Exam held on 20.05.2022)**

**Patent Filed:**

1. Intellectual property rights, Patent filled in title “*Design & Fabrication of comfort tooth brush with paste kit for travel*”. CBR No.21720.Ref. No. **E-2/1697/2017-CHE**. APP.No. **201741021869**.
2. Intellectual property rights, Patent filled in title “*Compactable Ear Phone Holder*”. Ref.No.**E-2/1354/2018-CHE** APP. No. **201841016393**

**Patent to be filed:**

1. “Design & Fabrication of comfortable Class room Duster box” to be filled.
2. “Design & Fabrication of contented Class room chalk piece holder” to be filled.

**MEMBERSHIPS WITH PROFESSIONAL BODIES:**

<b>Name of the Professional Body</b>	<b>Type of Membership</b>	<b>Membership No</b>
Institution of Engineers, (India).	AMIE	AM – 76363 / 5
Society of Automotive Engineers (SAE)	Member	6101972772
Indian Institution of Production Engineers (IIPE)	Member	
Member of Indian Society for Technical Education (MISTE)	Life member	Life Member No: 9426

## **HONOURS:**

- Editorial member for the journal “Lecture Notes on Mechanical Engineering” of Springer
- Review board of member for the journal ‘International Journal of Engineering Research & Technology (IJERT) (ISSN: 2278-0181)
- Editorial Board Executive Member for the International Journal on Design and Manufacturing Technologies 2007-08
- Executive member in IIPE, Tamil Nadu section in the year 2007-08.
- Organising committee member in International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007 (ECHDEM 2007) held between 28 -30 November, 2007. Conducted by Sathyabama University in association with CVRDE, DRDO, India
- Acted as Chairperson for the Session IV of “National Seminar-cum-Workshop on NANOTECHNOLOGY & NANOBIO TECHNOLOGY”, which is organized by the Department of Biotechnology of Sathyabama University between 14-16 Feb 2008.
- International organising committee member in International conference & Xx national conference on I.C. Engines and Combustion organized by Faculty of Mechanical Engineering, Jawaharlal Nehru Technological University, Kukatpally, Hyderabad – 500085, Andhra Pradesh, India .held between December 6-9, 2007

### International Journals: (Recent Publications)

S.NO.	Recent International Journals
1.	B.R Ramesh Bapu, S Kayalvizhi, S Murugavalli, 'Numerical Analysis of Thermal Management of On-Chip Circuits', Wireless Personal Communications 121 (4), 3029-3040, Springer US, Published: 18 August 2021, DOI: <a href="https://doi.org/10.1007/s11277-021-08862-w">https://doi.org/10.1007/s11277-021-08862-w</a>
2.	B.R. Ramesh Bapu, J Senthil kumar, YN Shinde, DA Skaria, ' Emission investigation of VCR diesel engine by TiO <sub>2</sub> nanocatalyst and Jamun biodiesel blended with diesel', ISSN:0143-0750, Vol 43, Issue 1, PP 2673-2680, Taylor & Francis, <a href="https://doi.org/10.1080/01430750.2020.1758784">https://doi.org/10.1080/01430750.2020.1758784</a>
3.	J Senthil Kumar, BR Ramesh Bapu, ' Cerium oxide nano additive impact of VCR diesel engine characteristics by using Ginger grass oil blended with diesel', ISSN:0143-0750, Vol 43, Issue 1, PP 578-583, Taylor & Francis, <a href="https://doi.org/10.1080/01430750.2019.1653975">https://doi.org/10.1080/01430750.2019.1653975</a>
4.	J Senthil Kumar, B.R Ramesh Bapu, S Sivasaravanan, M Prabhu, 'Experimental studies on emission reduction in a DI diesel engine by using a nano catalyst coated catalytic converter', International Journal of Ambient Energy, ISSN:0143-0750, Vol 43, Issue 1, PP 1241-1247, Taylor & Francis, <a href="https://doi.org/10.1080/01430750.2019.1694584">https://doi.org/10.1080/01430750.2019.1694584</a>
5.	N. Sadasivan, M. Balasubramanian, B.R. Ramesh Bapu, 'A comprehensive review on equal channel angular pressing of bulk metal and sheet metal process methodology and its varied applications', Journal of Manufacturing Processes, ISSN: 1526-6125, Vol: 58, Oct 2020, pp 698-726, Impact Factor: 4.086, AU Annexure:6808, Elsevier Sci Ltd, US, <a href="https://doi.org/10.1016/j.jmapro.2020.10.032">https://doi.org/10.1016/j.jmapro.2020.10.032</a>
6.	Sukumar T., Ramesh Bapu B.R., Durga Prasad B. 'Numerical analysis and experimental evaluation of rubber boot design', Engineering Failure Analysis, ISSN: 1350-6307, Vol 118, Dec 2020, Impact Factor: 2.897, AU Annexure: 3358, <a href="https://doi.org/10.1016/j.engfailanal.2020.104867">https://doi.org/10.1016/j.engfailanal.2020.104867</a>
7.	M Karthigairajan, PK Nagarajan, R Raviraja Malarvannan, BR Ramesh Bapu, D Jayabalakrishnan, T Maridurai, VK Shanmuganatha, 'Effect of Silane-Treated Rice Husk Derived Biosilica on Visco-Elastic, Thermal Conductivity and Hydrophobicity Behavior of Epoxy Biocomposite Coating for Air-Duct Application', Silicon, ISSN: 1876-990X, Vol:12, Impact Factor: 1.499, AU Annexure: 10590, Springer, Netherlands <a href="https://doi.org/10.1007/s12633-020-00772-z">https://doi.org/10.1007/s12633-020-00772-z</a>
8.	S Somasundaram, BR Ramesh Bapu, R Raj Jawahar, ' Tribological characteristics of n-(GO/WC-10Co-4Cr) HVOF coatings under biolubricant conditions', Surface Engineering, ISSN: 0267-0844, 2020/5/14, Impact Factor: 2.433, AU Annexure: 10920, DOI: 10.1080/02670844.2020.1762467.
9.	B.R Ramesh Bapu, S Kayalvizhi, S Murugavalli, ' Two phase cooling with nano-fluid for highly dense electronic systems-on-chip–A pilot study', Microelectronics Reliability, ISSN: 0026-2714, Vol 108, 2020/5/1, Impact Factor: 1.535, AU Annexure:8383, <a href="https://doi.org/10.1016/j.microrel.2020.113640">https://doi.org/10.1016/j.microrel.2020.113640</a> .
10.	Gokulakrishnan, S., Ramesh Bapu, B.R., Ravinder, R., Karthik, G., 'Fabrication of polymer matrix reinforced composite by using bio waste materials', International Journal of Advanced Science and Technology, 2020, 29(3), pp. 8628-8637, IF: 0.108

<b>11.</b>	J Senthil kumar, BR Ramesh Bapu, R Gudan, ‘ Emission examination on nanoparticle blended diesel in constant speed diesel engine’, Petroleum Science and Technology, ISSN: 1091-6466, Vol 38, Issue 2, 2020/1/17, Impact Factor: 0.976, AU Annexure: 9297, DOI: 10.1080/10916466.2019.1683579.
<b>12.</b>	T Sukumar, BR Ramesh Bapu, B Durga Prasad, ‘ Prediction of hyperelastic material sealing pressure using experimental and numerical analyses’, Journal of Elastomers and Plastics, ISSN: 0095-2443, Vol 52. Issue 8, December 23, 2018; pp. 684–697, Impact Factor: 1.200, AU Annexure: 6304, SAGE Publications, <a href="https://doi.org/10.1177/0095244319891211">https://doi.org/10.1177/0095244319891211</a>
<b>13.</b>	BR Ramesh Bapu, J Senthil kumar, Yash Nitin Shinde, Derin Anto Skaria, ‘ Emission investigation of VCR diesel engine by TiO <sub>2</sub> nanocatalyst and Jamun biodiesel blended with diesel’, International Journal of Ambient Energy, ISSN:0143-0750, Vol 41, Issue 13, <a href="https://doi.org/10.1080/01430750.2020.1758784">https://doi.org/10.1080/01430750.2020.1758784</a>
<b>14.</b>	Illyas, S. Mohamed; Bapu, B. R. Ramesh; Rao, V. Venkata Subba , ‘Experimental Analysis of Heat Transfer and Multi Objective Optimization of Swirling Jet Impingement on a Flat Surface’, Journal of Applied Fluid Mechanics . 2019, Vol. 12 Issue 3, p803-817. 15p. ISSN: 1735-3645. DOI: 10.29252/jafm.12.03.29172, IF: 0.689
<b>15.</b>	T Sukumar, BR Ramesh Bapu, B Durga Prasad, BR Vijay Prithiv, ‘Numerical Analysis and Design Optimization of Lip Seal Opening Pressure for Automotive Valves’, Advances in Manufacturing Technology, Springer, Singapore, 2019, pp. 119-129, DOI: <a href="https://doi.org/10.1007/978-981-13-6374-0_15">https://doi.org/10.1007/978-981-13-6374-0_15</a> , ISBN: 978-981-13-6373-3
<b>16.</b>	T Sukumar, BR Ramesh Bapu, B Durga Prasad, ‘Determination of sealing pressure in hyperelastic O-ring with different hardness using numerical method’, Journal of Elastomers & Plastics, SAGE Publications, ISSN: 0095-2443, Dec 2018., Impact Factor:1.200., <a href="https://doi.org/10.1177/0095244318817889">https://doi.org/10.1177/0095244318817889</a>
<b>17.</b>	T Sukumar, BR Ramesh Bapu, D Durga Prasad, ‘ Numerical and Experimental Evaluation of Hyperelastic Material Parameters,’ Advances in Materials and Metallurgy, Springer, Singapore, Jan 2019, pp 485-494, <a href="https://doi.org/10.1007/978-981-13-1780-4_47">https://doi.org/10.1007/978-981-13-1780-4_47</a>
<b>18.</b>	B. R. RAMESH BAPU, T. SUKUMAR & B. DURGA PRASAD, ‘ AN ANALYSIS OF HYPER ELASTIC MATERIAL MODELS’, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Aug 2018, Vol 8, Issue 7, pp 1220-1229., ISSN(Print) : 2249-6890, Impact Factor(JCC) : 7.6197, NAAS Rating : 3.11, TRANS STELLAR Publications.
<b>19.</b>	S. Mohamed Illyas, B. R. Ramesh Bapu, and V. Venkata Subba Rao, ‘Heat transfer and flow visualization of swirling impinging jet on flat surface using helicoid inserts’, Journal of Visualization (Springer Berlin Heidelberg), Print ISSN 1343-8875 Online ISSN 1875-8975, 5- May’2018, DOI 10.1007/s12650-018-0493-3
<b>20.</b>	J. Senthil Kumar and B. R. Ramesh Bapu, ‘Experimental analysis of DI diesel engine using dual biofuel blended with diesel’, International Journal of Ambient Energy (Taylor & Francis Group), 2018/5/18, Vol 39, Issue 4, pp 1-4, Print ISSN: 0143-0750 Online ISSN: 2162-8246
<b>21.</b>	J. Senthil Kumar, B. R. Ramesh Bapu, S. Ganesan & L. Krishnan, ‘Evaluation of performance and emission behaviour of DI diesel engine powered by biofuel’, International Journal of Ambient Energy (Taylor & Francis Group), 15, Jan’ 18, Print ISSN: 0143-0750 Online ISSN: 2162-8246



<b>22.</b>	B. R. Ramesh Babu, N. Gayathri, B. Vijayakumar, V. K. Shanmuganathan, 'Chemical Synthesis and Characterization of Thoria Incorporated Ytria Ceria-Stabilized Zirconia Nano Particles for High Temperature Applications', Digest Journal of Nanomaterials and Biostructures, ISSN: 1842-3582, Vol. 12, No. 4, October-December 2017, p. 973-979
<b>23.</b>	V Dattatreya, BR Ramesh Babu, and B Durga Prasad, 'Analysis of combustion and performance characteristics of multilayer HVOF and plasma ceramic coatings on piston in a diesel engine', Advances in Natural and Applied Sciences, April 2017, ISSN 1995-0772
<b>24.</b>	A. John Rajan, K. T. Anand, K. V. Narayanan and B. R. Ramesh Babu, 'A Study on Environmental Sustainability in Textile Processing Industries of South India', Indian Journal of Science and Technology, Feb 2016, Vol 9, Issue 5, ISSN 0974-6846, DOI: 10.17485/ijst/2016/v9i5/87263
<b>25.</b>	K. T. Anand, A. John Rajan, K. V. Narayanan, and B. R. Ramesh Babu, 'Key Variables in the Control of Lead Time in Spinning Mills', FIBRES & TEXTILES in Eastern Europe, 2016, ISSN 1230-3666,
<b>26.</b>	Amith Kishore Pandian, Ramesh Babu Bathey Ramakrishnan, et.al 'Influence of an oxygenated additive on emission of an engine fueled with neat biodiesel', Petroleum Science, Springer Link. (2017) 14:791–797, ISSN: 1672-5107 (Print) 1995-8226 (Online) DOI 10.1007/s12182-017-0186-x, Impact Factor: 1.624
<b>27.</b>	B.R. Ramesh Babu, B. Kanimozhi, 'Thermal energy storage system operating with phase change materials for solar water heating applications: DOE modelling', Applied Thermal Engineering, Elsevier, ISSN 1359-4311, Vol. 123, 25 Aug 2017, p. 614-624
<b>28.</b>	B.R. Ramesh Babu, L. Saravanakumar, and B. Durga Prasad. "Effects of combustion chamber geometry on combustion characteristics of a DI diesel engine fueled with calophyllum inophyllum methyl ester." Journal of the Energy Institute 90, no. 1 (2017): 82-100.
<b>29.</b>	G. Suganya, and Dr. B. R. Ramesh Babu, 'Experimental Studies on Performance of Latent Heat Thermal Energy Storage Unit Integrated with Solar Water Heater', International Journal of Chemical Sciences, 2016, ISSN0972-768X 1165-1171,
<b>30.</b>	B.R.Ramesh Babu, L.Saravana Kumar 'Effect of combustion chamber geometry on combustion characteristics of a di diesel engine fueled with calophyllum inophyllum methyl ester', Journal of the Energy Institute, ISSN: 1743-9671, Oct-2015, Page 1-19
<b>31.</b>	Kanimozhi B. and Ramesh Babu B.R. (2012), "Experimental study of thermal energy storage in solar system using PCM", Transaction on Control and Mechanical Systems, Vol.2, No.5, pp.
<b>32.</b>	S.Mahalingam, B.R.Ramesh Babu 'Experimental and emission analysis of rubber seed oil and jatropha oil blends with diesel in compression ignition engine', International Review of Mechanical Engineering (I.RE.M.E) ISSN 1970 – 8734. Vol.7, Issue.5, PP 954 – 959. (2012) (ANNUXTRE II). Impact factor 0.19.
<b>33.</b>	S.Mahalingam, B.R.Ramesh Babu 'Environmentally efficient biodiesel blend of jatropha oil and rubber seed oil as an alternative fuel for a direct injection diesel engine for reducing engine emission', Pensee, ISSN 0031-4773, vol.76, Issue no:2, PP 290-297(2014) (ANNXURE I), Impact factor 0.063.
<b>34.</b>	Mahalingam S., Ramesh Babu B.R. and Balaji B.(2014), "Emission analysis of DI-diesel engine at different injection pressures using jatropha and rubber seed oil blended with diesel", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e- ISSN: 2278-1684, p-ISSN : 2320–334, pp .78-80.

<b>35.</b>	Mahalingam S. and Ramesh Bapu B.R.(2013), “The effect of injection timing on the performance and emission characteristics of a DI constant speed diesel engine fuelled with dual-fuel biodiesel”, International Journal on Design and Manufacturing Technologies, Sathyabama University, ISSN: 0973-9106, Vol.7, pp. 42-45.
<b>36.</b>	Ramesh Bapu B.R, et al, “Hydrogen fuel generation and storage”, Indian Journal of Science and Technology Vol. 4 No. 6 (June 2011) ISSN: 0974- 6846, pp. 717-720.
<b>37.</b>	Kanimozhi B. and Ramesh Bapu B.R. (2011), “Experimental Study of Heat Transfer Enhancement in Latent Heat Thermal Storage System during Charging and Discharging Processes”, International Journal of Design and Manufacturing Technologies, Vol.2, No.5,
<b>38.</b>	Ramesh Bapu B.R, et al, “ CFD Analysis of Heat Transfer and Fluid Flow Characteristics of Swirl and Non Swirl Impinging Jet for Electronic Cooling Application”, International Journal of Dynamics of Fluids.ISSN 0973-1784 Volume 7, Number 2 (2011), pp. 203-214
<b>39.</b>	Ramesh Bapu B.R, et al, “Co-firing of Coal and Biomass Blends – Experimental Studies of Ambient Air Emissions”, International Journal on Design and Manufacturing Technologies, Volume 1, November 2007, Page 95-99.
<b>40.</b>	Kanimozhi B. and Ramesh Bapu B.R. (2011), “Experimental study on Thermal Energy Storage System in Domestic Geyser”, International Journal of Coimbatore Institute of Information Technology, Vol.3, No.4, pp. 210-214.
<b>41.</b>	Kanimozhi B. and Ramesh Bapu B.R. (2011), “Performance Study on Latent Heat Thermal Energy Storage in Solar System Using PCM”, International Journal of coimbatore Institute of Information Technology, Vol.3, No. 8, pp. 406-411.
<b>42.</b>	Ramesh Bapu B R, Balan K N, “The Hardness Enhancement Technique for Detonation Gun Coating”, IEEE Xplore, 25-27 Nov. 2010 page(s): 274-279, ISBN: 978-1-4244-9081-3, Digital Object Identifier: 10.1109/FAME.2010.5714834
<b>43.</b>	Dr. B.R.Ramesh Bapu, et al, “Hydrogen Storage in Wind Turbine Tower – A Review”, IEEE Xplore, 25-27 Nov. 2010 page(s): 308-312, ISBN: 978-1-4244-9081-3, Digital Object Identifier: 10.1109/FAME.2010.5714852
<b>44.</b>	B.R.Ramesh Bapu, et al, “The Abrasive Wear Behaviour of Al-SiCp Composites for Automotive Parts”, 25-27 Nov. 2010, page(s): 54 – 59, ISBN: 978-1-4244-9081-3, Digital Object Identifier 10.1109/FAME.2010.5714798

**National Journals:**

S.NO.	Recent National Journals
1.	S.Mahalingam, B.R.Ramesh Bapu ‘Experimental and emission analysis of esterified rubber seed oil with diesel in direct injection constant speed diesel engine’ National Journal on Advanced in Building Sciences and Mechanics, Sathyabama University.ISSN 0975-7317.Vol 3,No 2,PP 7-10.(2012)
2.	S.Mahalingam, B.R.Ramesh Bapu ‘Influence of injection timing on emission analysis of a DI engine running on rubber seed and jatropha oil fuelled with diesel fuel’, Indian Streams Research Journal, ISSN 2230 – 7850, Vol 2, Issue 2, PP 1-5.(2014).
3.	Ramesh Bapu B.R., et al, (2010), “Enhancement of Solar Water Heating System Using PCM”, National Journal of Advanced Mechanics and Building Science, Vol.1, No.2, pp. 48-51
4.	Ramesh Bapu B.R, et al, (2011), “Performance Test on Enhancement of Heat Transfer Using Copper Tubes in Phase Change Thermal Energy Storage System”, National Journal of Chembios, Vol.2, No.1, pp. 20-25.
5.	Dr B. R. Ramesh Bapu and Dr K. Vimalanathan Rakesh. R, Subash. D, ‘ An Experimental Approach of Convertible Bike, ‘International Conference on Scientific Research and Innovation – 1.0 (Jointly Conducted by Chennai Institute of Technology and ATALON), 2018/4/7

**PAPERS PUBLISHED/PRESENTED (Earlier):**

<b>1.</b>	International Conference on Energy and Environmental Technologies for Sustainable Development 2003 at Malaviya National Institute of Technology, Jaipur, India.	<b>Cascaded Multi-Temperature Latent Heat Solar Thermal Storage Device</b>
<b>2.</b>	International Conference on New Millennium – Alternative Energy Solutions for Sustainable Development at PSG TECH, Coimbatore, 17-19, Jan 2003.	<b>Solar Energy as an Alternate Heat Source for Textile Industrial Processing</b>
<b>3.</b>	National Conference on Advanced Trends in Mechanical Engineering Research & Development at JNTU College of Engg, Ananthapur, Dec 2002.	<b>Improving Supply Chain performance Through Customer Supplier Relationship</b>
<b>4.</b>	National Conference on Advanced Trends in Mechanical Engineering Research & Development at JNTU College of Engg, Ananthapur, June 2000.	<b>Recent Advances in Finite Element Analysis in Mechanical Engineering Research &amp; Development</b>
<b>5.</b>	National conference on Trends in Industrial and Commercial Applications of Electronics (TICAE-2006), 22nd-24th, March 2006, at Department of Electronics & Communication Engineering	<b>Contemporary fuel cell – A review</b>
<b>6.</b>	Proceedings of the International Conference & XX National Conference on I.C. ENGINES AND COMBUSTION December 6-9, 2007, Page 155-160	<b>Study of the performance and emission characteristics of a diesel engine using rice – bran oil methyl ester and its blends with diesel</b>
<b>7.</b>	Proceedings of the International Conference & XX National Conference on I.C. ENGINES AND COMBUSTION December 6-9, 2007, Page 380-385	<b>Hydrogen Energy Storage a Preliminary Review</b>
<b>8.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007, ECHDEM 2007, 28-30 November 2007, Page 36 – 39	<b>Model Analysis of Vibration for Aero-Engine Test Bed Flexure Plate</b>
<b>9.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007,	<b>Production and Characterization of 12% Titanium Carbide Particulate Reinforced Aluminium-11.8% Silicon Alloy Matrix Composite Casting Processed by Vortex</b>

	ECHDEM 2007, 28-30 November 2007, Page 53 – 66.	<b>Method – Liquid Metallurgy Route for Aerospace applications</b>
<b>10.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007, ECHDEM 2007, 28-30 November 2007, Page 132 – 137	<b>Life Cycle Assessment of Solar Thermal Collectors with Integrated Water Storage</b>
<b>11.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007, ECHDEM 2007, 28-30 November 2007, Page 177 – 179	<b>Recent Developments in Centralized Solar Water Heating System</b>
<b>12.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007, ECHDEM 2007, 28-30 November 2007, Page 299 – 302	<b>Emerging Trends of Avionics in Flight Control System of Wide Body Aircraft</b>
<b>13.</b>	Proceedings of the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007, ECHDEM 2007, 28-30 November 2007, Page 317 – 320	<b>Evaluation of Aircraft Maintainability and Aircraft Maintenance</b>
<b>14.</b>	Proceedings of the VIT-vellore International conference on advances in mechanical and building sciences 2009 (ICAMB2009)	<b>Thermal Cooling on PCB Using Phase change materials</b>
<b>15.</b>	Proceedings of the National Conference on Recent Trends in Manufacturing and Industrial Engineering (NCRTMIE) 2010, 9th & 10th April 2010, Page 176 - 181	<b>Thermal Spraying Process – An Overview</b>
<b>16.</b>	Proceedings of the International Conference on Frontiers in Automobile and Mechanical Engineering [FAME-2010] November 25-27, 2010, Page 70-75	<b>The Abrasive Wear Behaviour of Al-SiCp Composites for Automotive Parts</b>
<b>17.</b>	Proceedings of the International Conference on Frontiers in Automobile and Mechanical Engineering [FAME-2010] November 25-27, 2010 at, Page 392 - 395	<b>Experimental Investigation on the Effect of Angles of Attack and Nose Shape on Slender Body</b>
<b>18.</b>	Proceedings of the International Conference on Frontiers in Automobile and Mechanical Engineering [FAME-2010] November 25-27, 2010 at, Page 419 - 423	<b>Hydrogen Storage in Wind Turbine Tower – A Review</b>

<b>19.</b>	Proceedings of the International Conference on Frontiers in Automobile and Mechanical Engineering [FAME-2010] November 25-27, 2010 at, Page 355 - 360	<b>The Hardness Enhancement Technique for Detonation Gun Coating</b>
<b>20.</b>	International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy, (ICST 2011), January 05-07, 2011	<b>Enhancing the Energy Storage in Domestic Geyser</b>
<b>21.</b>	International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy, (ICST 2011), January 05-07, 2011	<b>Experimental Investigations on 4-Stroke Single Cylinder C. I. Engine using Cottonseed Biofuels</b>