

Cellphone : 9444140339

e-Mail ID : drgbbhaskar@mitindia.edu

Address : A-1, MIT ANNEX, Chitlapakkam Main Road, Nehru  
Nagar, Chrompet, Chennai - 600 044.



## Present Position

Associate professor, Department of Production Technology, Madras Institute of Technology, Anna University, Chennai from November-2014.

## Present Additional Responsibility

- > Deputy Controller of Examination, Madras Institute of Technology, Anna University, Chennai from February-2017.
- > Treasurer, Student Co-operative stores, Anna University, Chennai from March-2015.
- > CBCS - PG Co-ordinator, Department of Production Technology, Anna University, Chennai.

## Previous Additional Responsibility

- > Iqac-mit Campus Coordinator, Madras Institute of Technology, Anna University, Chennai during August-2015 and April-2016.
- > Chief Superintendent (pg), PROD, Anna University, Chennai during March-2015 and January-2016.
- > Engineering Mechanics Mit Campus Coordinator, , Anna University, Chennai during March-2015 and June-2015.
- > Vice President - Athenaeum(mit), , Anna University, Chennai during January-2015 and July-2016.

## Other Employment

- > Professor & Head, Department of Mechanical Enginee, Tagore Engineering College, Chennai for 05 Years.
- > Assistant Professor, Department of Mechanical Engi, Rajalakshmi Engineering College, Chennai for 02 Year 06 Months.
- > Senior Lecturer, Department of Mechanical Engineer, Meenakshi College of Engineering, Chennai for 01 Year.

- Senior Lecturer, Department of Mechanical Engineer, SRM Institute of Science and Technology, Chennai for 1 Year 06 Months.
- Assistant Professor, Department of Mechanical Engi, Thiruvalluvar College of Engineering and Technology, Vandavasi for 06 Year 06 Months.
- Graduate Engineer Trainee – Production, Ennore Foundries Ltd., Chennai. (Ashok Ley Land Group) for 01 Year.
- Production Engineer, VENU Engineering Services (P) Ltd for 01 Year.

## Degree

- ❖ M.B.A. in Human Resource Management , Annamalai University, Annamalai University (2000 - 2002).
- ❖ M.Tech. in MECHANICAL ENGINEERING , Indian Institute of Technology Madras, Indian Institute of Technology Madras (1999 - 2001).
- ❖ D.M.E. in Production Management , Annamalai University, Annamalai University (1997 - 1998).
- ❖ PGDMM in Materials Management, Annamalai University, Annamalai University (1996 - 1997).
- ❖ B.E. in MECHANICAL ENGINEERING , Adhiparasakthi Engineering College, Univesity of Madras (1992 - 1996).

## Research Degree

- ❖ Ph.D. in Composite Materials from Faculty of Mechanical Engineering, College of Engineering, Anna University Chennai (2006 - 2009).  
Title: Investigations on Fine Blanking for producing defects constrained holes in GFRP Composites .

## Area of Specialisation

- Composite Materials, Manufacturing, Green Manufacturing

## Membership in Professional Organization

- Life Member in Institution of Engineers, Indian Society for Technical Education and IAENG

## Research Guidance

Number of Ph.D Scholars Guided

: 10

Number of Ph.D Scholars Guiding	: 7
Number of M.E./ M.Tech. Projects Guided	: 28
Number of Ph.D Scholars Guided as Joint-Supervisor	: 2

## Papers Published in Journals

Research Papers Published in International Journals	: 69
Research Papers Published in National Journals	: 0

1. G.Baskaran, S. Gowri and R. Krishnamurthy, " Effect of fine blanking on hole quality in glass fiber reinforced plastic composites ", International journal of Manufacturing Science and Production, Vol. 10, Issue 1, pp. pp. 33-42 (2009).
2. G.Baskaran, S. Gowri and R. Krishnamurthy, " Study on vital static properties of fine blanking of GFRP composites with that of conventional drilling", International Journal of Advanced Manufacturing Technology, Vol. 50, pp. 659 - 666 (2010).
3. G.Baskaran, S. Gowri and K.Thiagarajan, " Optimization of fine blanking by improving hole quality in glass fiber reinforced plastic composites through numerical average method", International journal of Materials, Manufacturing and Optimization, Vol. 1, pp. pp. 21-26 (2010).
4. G.Baskaran, S.Gowri and R. Krishnamurthy, " The influence of volume fraction of fibers on fine blanked hole quality in GFRP composites ", International journal of Production Technology and Management Research, Vol. 1, Issue 1, pp. pp.1-8 (2010).
5. N.Venkatesan and G.B.Bhaskar, " Plate bending analysis by boundary element method", International Journal of Production Technology and Management Research, Vol. 2, pp. Pages: 39-44. (2011).
6. D. RamBabu, G.B.Bhaskar, A. Gnanavelbabu, A. Ratnakar & A. Karthik, " Development of an Algorithm for Nesting with Common Cut Methodology Using Identity Coordinate Function", International Journal of Production Technology and Management Research, published by Serial Publications. Vol. 3, Issue 1, pp. 1-10. (2012).
7. N. Venkatesan, G.B.Bhaskar, A. Gnanavel Babu, J. Fredric, S. Vigneshan & R.Kalaiarasu, " Mechanical Behavior of Various Volume Fractions of High Density Polyethylene Nanoclay Composite", International Journal of Mechanical Engineering and Material Science, published by Serial Publications. Vol. 5, pp. 01-05 (2012).
8. P. Shanmugavel, G.B. Bhaskar, M. Chandrasekaran, P.S. Mani, and S.P.Srinivasan, " An overview of fracture analysis in functionally graded materials", European Journal of Scientific Research, Vol. 68, Issue 3, pp. 412-439 (2012).
9. K.Pazhanivel, G.B.Bhaskar, S.Arunachalam, V.Hariharan and A.Elayaperumal, " Low velocity impact analysis on GFRP laminates under different temperatures.", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 110, pp. pp.632-636 (2012).

10. Santhanamoorthy.P and Bhaskar.G.B, " Machining, Analysis, Characterization and Applications of Glass, Carbon and Glass-Carbon Hybrid Composites", International Journal of Mechanical Engineering and Material Science, published by Serial Publishers. Vol. 6, pp. 153 - 157 (2013).
11. K. Pazhanivel, N. Ramadoss, K. Poyyathappan, P. Anandan, G.B.Bhaskar, " Flexural Analysis on GFRP Composites Subjected to Cyclic Gradual Load and Cyclic Impact", Journal of Advanced Materials Research, Vol. 685, pp. 35-39 (2013).
12. Ramanan.A,Senthilkumar.P and Bhaskar.G.B, " Experimental Study on R744/R134a and R744/R290 Mixture Boiling in Horizontal Tube", International Journal of Mechanical Engineering and Material Science, published by Serial Publishers. Vol. 6, pp. 129 - 132 (2013).
13. Rajesh.S and G.B.Bhaskar, " Modelling and Experimental Analysis of composite leaf spring", International Journal of Mechanical Engineering and Material Sciences, published by Serial Publishers. Vol. 6, pp. 163-169 (2013).
14. D. Rambabu, A. Lenin, G.B.Bhaskar and A. Gnanavel babu, " Gap analysis and optimization of process involved in product design and development by integrating enterprise resource planning & product lifecycle management", International Journal of Procedia Engineering, published by Elsevier Publications. Vol. 64, pp. 983-992 (2013).
15. G. Elumalai and G.B.Bhaskar, " GPS/GSM based intelligent monitoring System for vehicle tracking", International Journal of Mechanical Engineering and Material Sciences, published by Serial Publishers. Vol. 6, pp. 141-145 (2013).
16. Rambabu.D, Srinivasan.V, Lennin.A, Bhaskar.G.B, " Design and Optimization of Material Selection through the Enterprise Resource Planning and Product Lifecycle Management Integration", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 815 - 822 (2014).
17. S.Rajesh and G.B.Bhaskar, " Response of Composite Leaf Springs to Low Velocity Impact Loading", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 47-50. (2014).
18. C.Muthazhagan, Gnanavelbabu, G.B. Bhaskar and K.Rajkumar, " Corrosion behavior of Aluminium Boron Carbide Graphite Composites", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 51-54. (2014).
19. D. Ram babu, A. Lenin and G.B. Bhaskar, " Advanced product configuration in manufacturing using enterprise resource planning variant configuration with optimization in manufacturing and assembly processes", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 94-97 (2014).
20. Rajesh.S, Bhaskar.G.B and Achudhan.M., " Modeling and Analysis of Composite Leaf Springs", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 847- 852 (2014).
21. G.Elumalai, G.B.Bhaskar and R.Subash, " Controlling of Faulty vehicles using GSM and GPS Technology", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 180-183 (2014).

22. Shanmugavel P, Bhaskar G. B. and Chandrasekaran M, " Determination of Stress Intensity Factors and Fatigue Characteristics of Al-SiC Composite Material and Al-SiC Functionally Graded Material by Simulation", International Review of Mechanical Engineering , published by Praise Worthy Prize. Vol. 8, (2014).
23. Shanmugavel P., Bhaskar G. B., Chandrasekaran M. and Srinivasan S. P., " 'Determination of Stress Intensity Factors and Fatigue Characteristics for Aluminium, Aluminium-Alumina Composite Material and Aluminium-Alumina FGM Specimens with Edge Crack by Simulation," , International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 1759- 1768. (2014).
24. Rambabu.D, Hariharan.R, Karthik Nambi.A, Nataraj.R, Bhaskar.G.B.,, " Design and development of human factors based shoe midsole using additive manufacturing", International Journal of Engineering & Technology, published by Engg Journals Publications. Vol. 3, Issue 2, pp. 194 - 200 (2014).
25. Pazhanivel.K, Sabarish.R, Poyyathappan.K and Bhaskar.G.B, " Impact Analysis on Stainless Steel Wires Embedded GFRP Composites", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, Issue 3, pp. 879- 886 (2014).
26. K.Poyyathappan, G.B.Bhaskar, N.Venkatesan, K.Pazhanivel, G.Saravanan and S.Arunachalam, " Dynamic Mechanical and Flexural characteristics of Glass-Carbon Hybrid Composites", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 72-76 (2014).
27. Rambabu.D, Gopinath. R, Senthilrajan.U and Bhaskar.G.B, " Weight reduction of a standard brake drum: A design approach", International Journal of Engineering & Technology, published by Engg Journals Publications. Vol. 3, Issue 2, pp. 201 - 207 (2014).
28. N. Venkatesan, G. B. Bhaskar, K. Pazhanivel, K. Poyyathappan, " Reinforcing Effect of Montmorillonite Nanoclay on Mechanical Properties of High Density Polyethylene Nano composites", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 60-63 (2014).
29. K. Pazhanivel, G.B. Bhaskar, N. Venkatesan, P. Anandan and S.Arunachalam, " Influence of SMA Short Fibers on Mechanical Properties of Copper/GFRP Composites", International Journal of Applied Mechanics and Materials, published by Trans Tech Publishers. Vol. 591, pp. 64-67. (2014).
30. Ramanan.A, Senthilkumar.P and Bhaskar.G.B, " Study of Boiling Heat Transfer and Pressure Drop of R744/R134a and R744/R290 Mixture in a Smooth Horizontal Tube", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 637-643 (2014).
31. G.Elumalai and G.B.Bhaskar, " An Intelligent Transport System methodology to identify and controlling of Faulty Vehicles", Journal of Advanced Materials Research, published by Trans Tech Publishers. Vol. 875, pp. 2179-2183 (2014).
32. Senthilnathan D, Gnanavel Babu A., Bhaskar G B. and Gopinath KGS, " Characterization of Glass Fibre – Coconut Coir– Human Hair Hybrid Composites", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 75 - 82. (2014).

33. C.Muthazhagan, A.Gnanavel babu, G.B.Bhaskar and K. Rajkumar, " Influence of Graphite Reinforcement on Mechanical Properties of Aluminum-Boron Carbide Composites", Journal of Advanced Materials Research, published by Trans Tech Publishers. Vol. 845, pp. 398-402. (2014).
34. Rajesh S and Bhaskar G B, " Experimental Investigation on Laminated Composite Leaf springs Subjected to Cyclic Loading", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 95 - 101 (2014).
35. Shanmugavel P, Bhaskar G. B. and Chandrasekaran M, " Experimental Study on Fatigue Characteristics for Aluminium and Al-SiC Composite Material Edge Crack Specimens under Flexural Loading Conditions", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 13 - 27 (2014).
36. Poyyathappan.K, Manavalan.S, Bhaskar.G.B., Pazhanivel.K and Venkatesan.N, " Assessment of Vital Mechanical Properties on Glass-Carbon Hybrid Composites Subjected to Low Frequency Point Loading", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 887 - 893 (2014).
37. Elumalai G and Bhaskar G B, " Identification and Control of Spark Ignition Type Vehicles using Intelligent Transportation Technologies", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 91 - 94. (2014).
38. Rajesh.S, Nakkeran.S and Bhaskar.G.B, " Laminated Composites as the Material for the Replacement of Conventional Leaf Springs used in Light Commercial Vehicle", International Journal of Applied Environmental Sciences, published by Research India Publications. Vol. 9, pp. 831 - 836 (2014).
39. Rajesh.S, Nakkeran.S and Bhaskar.G.B., " A survey of GFRP composite leaf spring", International Journal of Engineering & Technology, published by Engg Journals Publications. Vol. 3, pp. 185 - 193. (2014).
40. Pazhanivel K, Bhaskar G B. and Elayaperumal A., " Significance of stainless steel wire reinforcement on the mechanical properties of GFRP composites", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 178 - 182 (2014).
41. Venkatesan.N, Sabarish.R, Poyyathappan.K and Bhaskar.G.B., " Mechanical Properties of Montmorillonite Nanoclay Reinforced High Density Polyethylene Composites", International Journal of Applied Environmental Sciences, published by Engg Journals Publications. Vol. 9, pp. 865- 870 (2014).
42. Poyyathappan K., Bhaskar G B., Pazhanivel K. and Venkatesan K., " Tensile and flexural studies on glass – carbon hybrid composites subjected to low frequency cycle loading", International Journal of Engineering and Technology, published by Engg Journals Publications. Vol. 6, pp. 178 - 182. (2014).
43. Saravanan.G, Arunraja.K, Thirumavalavan.S, Bhaskar.G.B and Vijayaraghavan.G.K, " Structural and Dynamic Analysis of Composite Stator Vanes in Compressor", International Journal of Applied Environmental Sciences, published by Engg Journals Publications. Vol. 9, pp. 853- 863. (2014).

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44. S.Rajesh, G.B.Bhaskar, C.B.Sekar and V.Muthamizhselvan, " Optimization of composite leaf spring using Taguchi techniques", International Journal of Applied Engineering Research,, published by Research India Publications. Vol. 10, pp. 30941- 30946 (2015).
  45. Palani K, Elanchezhian C and Bhaskar G.B, " Multi Response DEA-Based Taguchi Optimization of Process Parameters on AA8011 Friction Stir Welded Aluminium Alloys", Applied Mechanics and Materials, published by Trans Tech. Vol. 766, pp. 921-927 (2015).
  46. P.Santhanamoorthy, S.ShivaSwabnil and G.B.Bhaskar, " Study on drilling characteristics of glass carbon hybrid composite laminates""", International Journal of Applied Engineering Research, published by Research India Publications. Vol. 10, pp. 30963- 30968 (2015).
  47. K.Pazhanivel, G.B.Bhaskar, A.Elayaperumal, P.Anandan and S.Arunachalam, " Influence of stainless steel wire reinforcement on the impact resistance of GFRP composite laminates""", The Arabian Journal for Science and Engineering, published by Springer Publications. pp. 13369-015-1571-7 (2015).
  48. A.Thirumurugan, G.B.Bhaskar, K.Poyyathappan, R. Jai Karthik, M. Kishore Kumar, G. Somasundaram and G. Venkatakrishnan, " Investigations on Aluminium wire mesh, Banana fiber and Glass fiber reinforced hybrid composites", Indian Journal of Science and Technology, published by Indian Society for Education and Environment. Vol. 9, Issue 42, pp. DOI: 10.17485/ijst/2016/v9i42/103306 (2016).
  49. K.G. Rajasekaran, G.B.Bhaskar, M.Chandrasekaran and S.Murali, " Identification and Prioritisation of Supplier, Customer and Organization Collaborating Factors Influencing New Product Development", Indian Journal of Applied Research, published by World wide Journals. Vol. 6, Issue 7, pp. pp.535-547. (2016).
  50. Rajesh S, Bhaskar GB, venkatachalam J, Pazhanivel K and Suresh Sagadevan, " Performance of Leaf Springs made of composite Material subjected to Low frequency impact loading", Journal of Mechanical Science and Technology , published by Springer Publications. Vol. 30, Issue 9, pp. 4291-4298 (2016).
  51. K Pazhanivel, G B Bhaskar, A Elayaperumal, P Anandan and S Arunachalam, "Influence of SMA reinforcement on the impact resistance of GFRP composite laminates under different temperatures", Bulletin of Materials Science - Indian Academy of Sciences, published by Springer Publications. pp. 12034-016-1201-3 (2016).
  52. K.G. Rajasekaran, G.B.Bhaskar, M.Chandrasekaran and S.Murali, "A Review on Employing Multi Criteria Decision Making Methods for Supplier Selection", Asian Journal of Research in Social Sciences and Humanities, published by Asian Research Consortium. Vol. 6, pp. 802-810. (2016).
  53. R. George Sahaya Nixon, B. S. Mohanty & G. B. Bhaskar, " Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24 in friction surfacing", MATERIALS AND MANUFACTURING PROCESSES , published by Taylor & Francis. Vol. 33, Issue 7, pp. 778-785 (2017).
  54. Rajesh S, Bhaskar G B, Pazhanivel K, Suresh Sagadevan and venkatachalam J, " Optimization of composite leaf spring design using response surface methodology", Romanian Journal of Materials, published by Foundation for Materials Science and Engineering . Vol. 47, Issue 1, pp. 296-302 (2017).

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55. N.Venkatesan, Bhaskar G B, Rajesh S, Pazhanivel K and Suresh Sagadevan, " Effect of Cloisite 30B nano clay on the mechanical properties of HDPE nano composites", Journal of Materials Testing, published by Carl Hanser Verlag,. Vol. 59, Issue 4, pp. 355-360 (2017).
  56. K.G. Rajasekaran, G.B.Bhaskar, S.Murali and M.Chandrasekaran, " An Empirical Study on Selection of Supply Chain Partner by Multi-Criteria Decision Making Method VIKOR - A Case of Automotive Industry", International Journal of Engineering and Technology, published by Engineering Journals Publications. Vol. 8, Issue 6, pp. 2997- 3004 (2017).
  57. Alfred Franklin. V, Chenthil Jegan. T.M, Bhaskar. G.B, Mohandass. M., Vasudevan. N, "Fracture strength evaluation of composite lamination using modified wek model", International Journal of Mechanical and Production Engineering Research and Development, published by Trans Stellar. Vol. 8, Issue 8, pp. 345-351 (2018).
  58. Purushothaman Santhana Moorthy, Govindasamy Bhavani Bhaskar, Natarjan Raja, Vijaya Ramnath and Sankaranarayanan Gowri, "Mechanical properties and microstructure of glass carbon hybrid composites", Materials Testing, published by Carl Hanser Verlag. Vol. 60, Issue 11, pp. 1131-1137 (2018).
  59. K Palani, C Elanchezhian, B Vijaya Ramnath and GB Bhaskar, " Modeling and Optimization of FSW Parameters on Tensile Behavior of Aluminium Alloys using D-Optimal Design", Journal of Advanced Science, Engineering and Medicine, published by American Scientific Publishers. Vol. 10, Issue 3, pp. 384-389 (2018).
  60. D. Rambabu G. B. Bhaskar, A. Lenin and K. Pazhanivel, "ADVANCED PRODUCT DESIGN AND OPTIMIZATION USING SAP PLM AND INTEGRATION WITH SUPPLY CHAIN PROCESSES IN AUTOMOTIVE MANUFACTURING", Journal of Web Engineering, published by Rinton press. Vol. 17, Issue 6, pp. 2089-2103 (2018).
  61. U.Vishnuja and G.B.Bhaskar, " Study on AISI1045 Material for Various Applications: An over View", International Journal of Engineering and Manufacturing Science, published by Research India Publications. Vol. 8, Issue 2, pp. 125-144 (2018).
  62. Bhaskar Govindasamy Bhavani, Guru Prasath Muthukrishanan Yoga, Mohana Sundaram Ramasubramania, Arun Kumarr Balaji, Selva Kumar Mariappan, Lenin Raj Sundarajan, Varatharajan Rajagopalan, "AN EXPERIMENTAL STUDY ON DEEP HOLE MACHINING IN BRASS USING ABRASIVE WATER JET MACHINE", International Journal of Modern Manufacturing Technologies, published by Professional Association in Modern Manufacturing T. Vol. 10, Issue 1, pp. 27-36 (2018).
  63. K.Poyyathappan, G.B.Bhaska, K.Pazhanivel, S.Rajesh and Suresh Sagadevan, "Mechanical and Microstructural Characteristics of the Glass – Carbon Fiberous Composite Materials", TAGA JOURNAL OF GRAPHIC TECHNOLOGY, published by SWANSEA PRINTING TECHNOLOGY LTD. Vol. 14, pp. 2684 -2696 (2018).
  64. M Sreehari and G B Bhaskar, " Experimental investigations on resistance spot welding for producing indentation free joints on AISI 409M grade stainless steels", Materials Research Express, published by IOP Publishing. Vol. 6, Issue 4, pp. <https://doi.org/10.1088/2053-1591/aafa97> (2019).



65. K. Pazhanivel, G. B. Bhaskar, A. Elayaperumal, P. Anandan and S. Arunachalam, " Influence of Ni–Ti shape memory alloy short fibers on the flexural response of glass fiber reinforced polymeric composites", SN Applied Sciences, , published by Springer Nature Journal. Vol. 1, pp. 1: 789, Doi:10.1007/s42452-019-0823-7 (2019).
66. Neelamegam Vasudevan, Govindasamy Bhavani Bhaskar, Tadvika Srinivasa Rao and Muthukrishnan Mohandass, "Mechanical properties of cryogenically treated AA5083 friction stir welds", Materials Testing, published by Carl Hanser Verlag. Vol. 61, Issue 12, pp. 1129-1134 (2019).
67. K. Venkatesan and G. B. Bhaskar, "Evaluation and Comparison of Mechanical Properties of Natural Fiber Abaca-Sisal Composite", Fibers and Polymers, published by Springer. Vol. 21, Issue 7, pp. 1523-1534 (2020).
68. Neelamegam Vasudevan, Govindasamy Bhavani Bhaskar, Muthukrishnan Mohandass and Tadvika Srinivasa Rao, "Investigation on corrosion behavior of cryogenically treated friction stir welded AA5083", Journal of Mechanika, published by Kaunas University of Technology. Vol. 26, Issue 5, pp. 442-449 (2020).
69. Manikandan. A and Bhaskar G.B, "Damage characterization of Glass Fiber Reinforced with Perforated Aluminum Laminates (GLARE) under low velocity impact using pulse Thermography", Interciencia Journal, published by INTERCIENCIA. Vol. 45, Issue 3, pp. 81-96 (2020).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 44  
Research Papers Presented in National Programmes : 8

1. G.Baskaran and S.Gowri, "Aspects of Dynamic Mechanical Analysis in Glass Fiber Reinforced Plastic Composites" presented in a International level conference on International Conference on Recent Advances in Materials and Processing, India from 08-Jun-2006.
2. G.Baskaran, S. Gowri, S.Arul and R. Krishnamurthy, "Mechanical Properties of unidirectional GFRP composites subjected to low cycle fatigue" presented in a International level conference on International Conference on Advanced Materials Processing and Characterization, India from 02-Aug-2006.
3. G.B.Bhaskar and S.Vigneshwaran , "Modelling and analysis of magneto rheological dampers" presented in a National level conference on Recent Advancements in Mechanical Engineering, organised by Rajalakshmi Engineering College, India from 30-Mar-2011 to 30-Mar-2011.
4. D.Rambabu, G.B.Bhaskar, V.Peeradeep Vignesh and I.Venkatesan , "An approach to dynamic process based cost in modeling round duct elbow forming process" presented in a National level conference on Technological Advances in Manufacturing, Modeling and Analysis, organised by St. Joseph's College of Engineering, India from 08-Apr-2011 to 08-Apr-2011.
5. N.Venkatesan, K. Muruganandam, G.B.Bhaskar, K.Pazhanivel, P.Anandan and A.Gnanavelbabu, "A Critical Review on Nano Clay Related Polymer Composite Material " presented in a International level conference on International Conference on Futuristic Trends in Mechanical Engineering, India from 06-Jan-2012.

6. N.Vasudevan and G.B.Bhaskar, "A Review of Cryogenic Cooling in Engineering Materials" presented in a International level conference on International Conference on Futuristic Trends in Mechanical Engineering, India from 06-Jan-2012.
7. D.K.Mohan kumar, J.S.Saravanan, K.Pazhanivel, S.Arunachalam and G.B.Bhaskar, "A Review on Impact Studies on Smart Composites" presented in a International level conference on International Conference on Futuristic Trends in Mechanical Engineering, India from 06-Jan-2012.
8. A. Chidambaram, R. Periyardhasan, N. Ramadoss, K. Pazhanivel and G.B.Bhaskar, "A Review on Impact Study on Metal Wire Embedded Composites" presented in a International level conference on International Conference on Futuristic Trends in Mechanical Engineering, India from 06-Jan-2012.
9. G. Ashok Kumar, R.Naveen Kumar, S.Vignesh, K.Poyyathappan and G.B. Bhaskar , "Low Cyclic Impact Fatigue study properties of Glass Fiber Reinforced Plastics (GFRP) composites" presented in a National level conference on Research Trends in Mechanical Engineering, organised by Vels University, India from 11-Apr-2012 to 11-Apr-2012.
10. K.Poyyathappan, K.Pazhanivel, G.B.Bhaskar, S.Arunachalam, M.C.Leninbabu and A.Elayaperumal, "Fatigue flexural properties of glass plastic composites subjected to low cyclic impact" presented in a International level conference on Conference on Mechanical, Production and Automobile Engineering,, Singapore from 28-Apr-2012 to 29-Apr-2012.
11. P. Anandan , G. Parthipan, K. Pazhanivel, S. Arunachalam, T. Saravanan, R. Jayavel, G. B.Bhaskar and A. Elayaperumal, "Synthesis, growth and characterization of additive mixed L-arginine phosphate monohydrate semi organic nonlinear optical single crystals" presented in a International level conference on International Conference on Solid State and Material, USA from 01-Jun-2012 to 02-Jun-2012.
12. G.Elumalai and G.B.Bhaskar, "An Intelligent Transport System methodology to identify and controlling of Faulty Vehicles" presented in a International level conference on International Conference on Frontiers of Mechanical Engineering, Materials and Energy,, China from 20-Dec-2012 to 21-Dec-2012.
13. K.Pazhanivel and G.B.Bhaskar, "Flexural analysis on GFRP composites subjected to cyclic gradual load and cyclic impact" presented in a International level conference on The 3rd International Conference on Advanced Materials Research, Dubai,UAE from 19-Jan-2013 to 20-Jan-2013.
14. D.Rambabu, U.Senthil rajan, K.P.Vasanthan, G.B.Bhaskar, and A.Gnanavel babu, ""Modelling of heavy vehicle brake drum through static and thermal analysis using CAE", " presented in a National level conference on Fascinating Advancements in Mechanical Engineering , organised by R.M.K College of Engineering and Technology , India from 11-Mar-2013 to 11-Mar-2013.
15. S.Rajesh, R. Amrith kumar, L.M Berlin raj, C. Herbert bebiyan and G.B.Bhaskar. , ""Laminated Composites as the Material for the Replacement of Conventional Leaf Spring Materials in Automobiles"" presented in a National level conference on Fascinating Advancements in Mechanical Engineering , organised by R.M.K College of Engineering and Technology , India from 11-Mar-2013 to 11-Mar-2013.

16. N.Venkatesan, Babu, Jaheer hussain, Ashok raj, G.B.Bhaskar and A.Ganavel babu, "Important Mechanical Properties of HDPE/MMT nano composites" presented in a National level conference on Fascinating Advancements in Mechanical Engineering , organised by R.M.K College of Engineering and Technology , India from 11-Apr-2013 to 11-Mar-2013.
17. P.Arunagiri, A.Gnanavel Babu, and G.B.Bhaskar , "Redesign of Manufacturing Process Flow for UPCR Pump Housing in Automobile Industry to Improve Productivity through Lean Production Systems" presented in a International level conference on International Conference on Engineering Materials and Processes, India from 23-May-2013 to 24-May-2013.
18. S.Rajesh and G.B.Bhaskar , "Assessment of the Performance of Laminated Composite Leaf springs Subjected to Cyclic Loading" presented in a International level conference on International Conference on Engineering Materials and Processes,, India from 23-May-2013 to 24-May-2013.
19. N.Venkatesan, G.B.Bhaskar, K.Poyyathappan and A.Gnanavel Babu , "Effect of Nanoclay (MMT) on Mechanical Properties of High Density Polyethylene Nanocomposites" presented in a International level conference on International Conference on Engineering Materials and Processes, India from 23-May-2013 to 24-May-2013.
20. N.Vasudevan and G.B.Bhaskar , "Experimental investigation and optimization on machining of cryogenically treated Al-SiC Composites" presented in a International level conference on International Conference on Engineering Materials and Processes, India from 23-May-2013 to 24-May-2013.
21. K. Pazhanivel, G.B.Bhaskar, N.Ramadoss, A.Elayaperumal and P.Anandan , "Influence of SMA Short Fibers on Mechanical Properties of Copper Wire Embedded GFRP Composites" presented in a International level conference on International Conference on Engineering Materials and Processes, India from 23-May-2013 to 24-May-2013.
22. P.Shanmugavel, G.B.Bhaskar and M.Chandrasekaran , "Determination of Stress Intensity Factors and Fatigue Characteristics for Al-TiO<sub>2</sub> Composite Material Experimentally and Al-TiO<sub>2</sub> Functionally Graded Material by Simulation" presented in a International level conference on International Conference on Engineering Materials and Processes, India from 23-May-2013 to 24-May-2013.
23. V.Velmurugan, G.B.Bhaskar and D.M.Santhoshsarang , "Mechanical Characterization and Analysis of Natural Fibre Reinforced Hybrid Composites" presented in a International level conference on International Conference on Engineering Materials and Processes, organised by Tagore Engineering College, India from 23-May-2013 to 24-May-2013.
24. K.G. Rajasekaran and G.B.Bhaskar, "An Overview of multi criteria decision making methods" presented in a National level conference on Modeling, Simulation and Optimization , organised by Vels University, India from 09-Nov-2013 to 09-Nov-2013.
25. K.Palani, C.Elanchezian and G.B.Bhaskar, "Optimization of Process Parameters on AA8011 Friction Stir Welded Aluminum Alloys Using Taguchi Based Grey Relational Analysis" presented in a International level conference on Proceedings of the International Conference on Applied Research in Engineering, India from 21-May-2014 to 22-May-2014.

26. R. Gowtham, G. Bhavesh, T. N. Abubakkar Sithik, G.B. Bhaskar and K. Gangatharan, "Tribological behavior of Copper hybrid Multi Walled Carbon Nano Tube – Boron Carbide Composites" presented in a International level conference on Proceedings of the International Conference on Advance Research and Innovation in Engineering Science, Technology and Management, India from 04-Apr-2015 to 05-Apr-2015.
27. R. Jai Karthik, M. Kishore Kumar, G. Somasundaram, G. Venkatakrishnan and G. B. Bhaskar, "Comparative analysis and experimental investigation of aluminum and banana fibers reinforced GFRP hybrid composites for automotive applications" presented in a International level conference on Proceedings of the International Conference on Advance Research and Innovation in Engineering Science, Technology and Management, organised by ARS College of Engineering, India from 04-Apr-2015 to 05-Apr-2015.
28. S.Rajesh, G.B.Bhaskar, V.Gnanamoorthi, K.Pazhanivel and S.Suresh, "Assessment of Performance on Composite Leaf Springs subjected to Low Velocity impact loading" presented in a International level conference on International Conference on Advances in Mechanical Engineering , India from 15-Oct-2015 to 16-Oct-2015.
29. D. Rambabu, G.B.Bhaskar, A.Lenin and K.Pazhanivel , "Radically reducing the lead time of product design and development with Product Life Cycle Management integrated with Advanced Product Quality Planning process" presented in a International level conference on International Conference on Advances in Mechanical Engineering (ICAME 2015), organised by University College of Engineering, Villupuram, India from 15-Oct-2015 to 16-Oct-2015.
30. D.Rambabu, G.B.Bhaskar, A.Lenin and K.Pazhanivel , "Optimization of Product design and development with Product Life Cycle Management incorporated with Advanced Product Quality Planning process" presented in a International level workshop on International Workshop on Advanced Functional Nanomaterials (TIWAN-2015), organised by Anna UNiversity, India from 16-Dec-2015 to 18-Dec-2015.
31. N.Venkatesan, G.B.Bhaskar and K.Pazhanivel , "Influence of organo-modified cloisite 30b nanoclay on mechanical properties of HDPE nano composites" presented in a International level workshop on International Workshop on Advanced Functional Nanomaterials (TIWAN-2015), organised by Anna UNiversity, India from 16-Dec-2015 to 18-Dec-2015.
32. S.Rajesh, G.B.Bhaskar and K.Pazhanivel, "Investigation of Laminated Composite Leaf Springs subjected to Low Velocity Impact Loading" presented in a International level workshop on International Workshop on Advanced Functional Nanomaterials (TIWAN-2015), organised by Anna UNiversity, India from 16-Dec-2015 to 18-Dec-2015.
33. K. Pazhanivel, G.B. Bhaskar, P. Anandan, A. Elayaperumal and S. Arunachalam , "Fabrication and flexural properties of GFRP composites embedded with Ni-Ti SMA reinforcements" presented in a International level workshop on International Workshop on Advanced Functional Nanomaterials (TIWAN-2015), organised by Anna UNiversity, India from 16-Dec-2015 to 18-Dec-2015.
34. A.Thirumurugan, G.B.Bhaskar, K.Poyyathappan, R. Jai Karthik, M. Kishore Kumar, G. Somasundaram and G. Venkatakrishnan, "Investigations on Aluminium wire mesh, Banana fiber and Glass fiber reinforced hybrid composites" presented in a International level conference on Proceedings of International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS-16), organised by Sri SaiRam Engineering College Chennai, India from 24-Feb-2016 to 25-Feb-2016.

35. Palani K, Elanchezhian C, Bhaskar G.B, Pranavadithya A.S.V.G.J and Chaitanya Govind C, "Effect of friction stir welding process parameters on microstructural behavior on nugget zone in AA8011 aluminium alloys" presented in a International level conference on Proceedings of International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS-16) , organised by Sri SaiRam Engineering College Chennai, India from 24-Feb-2016 to 25-Feb-2016.
36. Palani K, Elanchezhian C, Bhaskar G.B ,Vijaya Ramnath B, Sai Jagadeesh J, and Manoj Kumar G, "Multi response optimization of process parameters on mechanical properties of friction stir welded aluminium alloys using taguchi-grey method" presented in a International level conference on Proceedings of International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS-16), organised by Sri SaiRam Engineering College Chennai, India from 24-Feb-2016 to 25-Feb-2016.
37. Rajesh S, Franklin Issac R and Bhaskar G B, "Evaluation of composite leaf spring subjected to low velocity impact loading and cyclic loading" presented in a International level conference on International Conference on Materials Science & Technology (ICMTech -2016), organised by VBRI Press, India from 01-Mar-2016 to 04-Mar-2016.
38. K. Venkatesan and Bhaskar G.B, "Evaluation of Mechanical Properties of Sisal Fiber Reinforced Epoxy Composites" presented in a International level conference on Recent Innovations in Production Engineering , organised by MIT anna university, india from 24-Mar-2017 to 25-Mar-2017.
39. Manikandan A., Raja Narayanan S. and Bhaskar G.B. , "Optimization of Abrasive Water Jet Machining Process on Glass Laminate Aluminium Reinforced Epoxy" presented in a International level conference on Recent Innovations in Production Engineering , organised by MIT anna university, india from 24-Mar-2017 to 25-Mar-2017.
40. N. Venkatesan, G.B. Bhaskar, A.C. Rabindra and K. Pazhanivel, "Analysis of Mechanical Properties of HDPE Reinforced with Rice Husk Ash and Nanoclay Composites" presented in a International level conference on Recent Innovations in Production Engineering , organised by MIT Anna Univeraity, india from 24-Mar-2017 to 25-Mar-2017.
41. V. Aravindan, N. Ramadoss, K. Pazhanivel and G.B. Bhaskar, "Analytical Investigation and Improving the Material Characteristics on Polypropelene Adding with High Density Polyethelene" presented in a International level conference on Recent Innovations in Production Engineering , organised by MIT Anna University, India from 24-Mar-2017 to 25-Mar-2017.
42. V. Porselvan, N. Ramadoss, K. Pazhanivel and G.B. Bhaskar, "Performance Analysis and Comparison of Inclined Type Solar Still by using Nano Materials and Wick Absorber" presented in a International level conference on Recent Innovations in Production Engineering, organised by MIT Anna University, India from 24-Mar-2017 to 25-Mar-2017.
43. U.Vishnuja, G.B. Bhaskar and Manu Ravuri, "A Numerical Study of Stress and Temperature on Turning Process by using DEFORM-3D" presented in a International level conference on Recent Innovations in Production Engineering, organised by MIT Anna University, India from 24-Mar-2017 to 25-Mar-2017.

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44. N. Vasudevan and G.B.Bhaskar, "Microstructure and Mechanical Properties of AA5083/SiC Fabricated by Stir Casting" presented in a International level conference on Recent Innovations in Production Engineering, organised by MIT Anna University, India from 24-Mar-2017 to 25-Mar-2017.
  45. P.Santhanamoorthy, G. B. Bhaskar and R.V.Manoj Kumar, "Comparative study of mechanical properties of glass carbon hybrid Composites with fine blanking using analysis software and Experimental method" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science, organised by Sri Sai Ram Engineering College , india from 30-Mar-2017 to 31-Mar-2017.
  46. K.Poyyathappan, Bhaskar G.B , Rajendra Prasad A and Suresh S.M, , "Experimental Analysis and Comparative Mechanical testing on Glass-Carbon Hybrid Composites" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science , organised by Sri Sai Ram Engineering College , India from 30-Mar-2017 to 31-Mar-2017.
  47. Saravanan G, G. B. Bhaskar, Kaviyaran.E, Naveen B, Prabakaran and Rajesh S, "Experimental Investigation of Mechanical Behavior of Bauhinia Racemosa-Based Glass Fiber Reinforced Composites" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science , organised by Sai Ram Engineering College , India from 30-Mar-2017 to 31-Mar-2017.
  48. B.Janarthanan, C.Elanchezhian, Dr.G.B.Bhaskar, N.Ramkumar and B.Vijaya Ramnath, "Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science, organised by Sai Ram Engineering College , India from 30-Mar-2017 to 31-Mar-2017.
  49. C.Elanchezhian, B.Vijaya ramanth, G.B.Bhaskar and M.Vivekanandhan, "An Investigation of the Mechanical Properties of Hybrid Composites in Applications of Automotive Industry" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science, organised by Sai Ram Engineering College , India from 30-Mar-2017 to 31-Mar-2017.
  50. Vasudevan N , Bhaskar G.B , Rajendra Prasad A and Suresh S.M, "Corrosion study on AA5083 aluminum alloy-boron carbide composites" presented in a International level conference on International Conference on Advances in Materials, Manufacturing and Applied Science , organised by Sai Ram Engineering College , India from 30-Mar-2017 to 31-Mar-2017.
  51. S.Rajesh, G.B.Bhaskar, J.Venkatachalam, and K. Pazhanivel, "Comparative study on composite leaf spring used in light commercial vehicles" presented in a National level conference on Recent Advances in Materials Science & Nanotechnology (RAMN-2017) , organised by AMET University, India from 26-May-2017 to 27-May-2017.
  52. M Bharath, G B Bhaskar, Beulah Gnana Ananthi,S Arunachalam, K Pazhanivel and A.GaneshKumar, "Experimental investigation on Epoxy Resin mixed Reinforced Cement Concrete used in Road Pavements" presented in a International level conference on International Conference on Advances in Structural and Geotechnical Engineering(ICASGE'19), organised by Structural Engineering Department, Faculty of Engineering, Tanta University, Egypt from 25-Mar-2019 to 28-Mar-2019.

## Sponsored Projects Completed

1. "Experimental studies on the characteristics of evaporative heat transfer and pressure drop of CO<sub>2</sub> mixed with various refrigerants", funded by Tamilnadu State Council for Science and Technology (July-2012 - January-2014). Project Cost: 160000.00.
2. "Optimization of fine blanking process for glass-carbon hybrid composites", funded by NRB-DRDO (February-2014 - December-2019). Project Cost: 1483500.00.
3. "Life saving jacket for workers working at high altitude jobs" (March-2016 - December-1969). Project Cost: 25000.00.
4. "Formability studies on incremental forming of polymers with increasing wall angle " (March-2016 - December-1969). Project Cost: 25000.00.

## Programme Chaired

1. Chairman, International level conference titled "2nd International Conference on Mechanical, Production and Automobile Engineering (ICMPAE 2012)" conducted by Singapore from 28-Apr-2012 to 29-Apr-2012.
2. Chairman, International level conference titled "2nd International Conference on Futuristic Trends in Mechanical Engineering (ICFTME-2013), " conducted by Thiruvalluvar College of Engineering and Technology from 02-Mar-2013 to 03-Mar-2013.
3. Chairman, International level conference titled "International Conference on Computational Intelligence and Advanced Manufacturing Research (ICCIAMR 2013)" conducted by Vels University from 05-Apr-2013 to 06-Apr-2013.
4. Co Chairman, National level Short Course titled "Advancements in Materials, Manufacturing Processes and Management Systems" conducted by Sri Sairam Engineering College from 04-Nov-2013 to 16-Nov-2016.
5. Chairman, International level conference titled "International Conference on Futuristic Trends in Mechanical Engineering (ICFTME-2014)" conducted by Thiruvalluvar College of Engineering and Technology from 01-Mar-2014 to 02-Mar-2014.
6. Chairman, International level conference titled "International Conference on Computational Intelligence and Advanced Manufacturing Research (ICCIAMR 2014)" conducted by Vels University from 02-May-2014 to 03-May-2014.
7. Chairman, International level conference titled "International Conference on Advances in Mechanical Engineering (ICAME-2015)" conducted by University College of Engineering, Villupuram from 15-Oct-2015 to 16-Oct-2015.
8. Chairman, International level conference titled "International Conference on Materials, Design and Manufacturing Process (ICMDM 2016)" conducted by Anna University from 17-Feb-2016 to 19-Feb-2016.

9. Chairman, International level conference titled "International Conference on "Mechanical, Materials and Manufacturing Systems (ICMMMS'16)" conducted by Sri Sairam Engineering College from 24-Feb-2016 to 25-Feb-2016.
10. Co Chairman, National level conference titled "National Conference on Automation, Robotics and Mechatronic Systems (NCARMS-2016)" conducted by MIT Campus, Anna University from 25-Mar-2016 to 26-Mar-2016.
11. Chairman, National level workshop titled "Technical Symposium - PROKRAFT 2K16" conducted by SriSairam Engineering College, Chennai from 24-Aug-2016 to 24-Aug-2016.

## Programme Organized

1. National level seminar.
2. As Coordinator, Organized TNSCST sponsor, National level workshop on "Recent Trends in Manufacturing Processes (RTMP-2012)" from 07-Aug-2012 to 08-Aug-2012.
3. As Convenor, Organized , International level conference on "International Conference on Engineering Materials and Processes (ICEMAP-2013) " from 23-May-2013 to 24-May-2013.
4. As Co-coordinator-Organized UGC Sponsore, National level workshop on "Green Manufacturing Concepts (GMC-2015)" from 16-Feb-2015 to 17-Feb-2015.
5. Organizing the Lecture Event, National level workshop on "Emerging Trends in Mechatronic Systems (ETMS-2015)" from 06-Mar-2015 to 07-Mar-2015.
6. As Coordinator - Organized CFD-AU sponso, National level Short Course on "Metrology and Measurements" from 30-May-2016 to 05-Jun-2016.
7. As Coordinator - Organised, International level conference on "Recent Innovations in Production Engineering " from 24-Mar-2017 to 25-Mar-2017.
8. Co-ordinator for a session, International level conference on "7th International and 28th All India Manufacturing Technology, Design and Research (AIMTDR 2018) " from 13-Dec-2018 to 15-Dec-2018.

## Programme Attended

1. Attended a National level Short Course on "CNC Training" organized by MTAB Technology center, India.
2. Attended a International level Short Course on "recent advances in metal shaping techniques " organized by PSG college of Technology, India from 15-Nov-1999 to 28-Nov-1999.
3. Participated in a National level workshop on "Taguchi method based quality engineering techniques" organized by Arunai Engineering College, India from 18-Feb-2001 to 20-Feb-2001.
4. Participated in a National level workshop on "Staff Development Programme" organized by Anna University, India from 27-Jan-2003 to 14-Feb-2003.



5. Participated in a International level conference on "Advances in Materials " organized by IIT Madras , India from 02-Apr-2004.
6. Attended a National level seminar on "Recent Trends in Product Design" organized by Sri Muthukumaran Institute of Technology, India from 28-Sep-2006.
7. Attended a National level Short Course on "Computer Integrated Manufacturing" organized by Sri Muthukumaran Institute of Technology, India from 11-Jun-2007 to 23-Jun-2006.
8. Attended a National level Short Course on "Applied Hydraulics and Pneumatics" organized by Anna University, India from 12-Jun-2008 to 28-Jun-2008.
9. Attended a National level Short Course on "MATLAB Programming and Applications" organized by Rajalakshmi Engineering College Chennai, India from 29-Dec-2008 to 31-Dec-2008.
10. Participated in a National level workshop on "Kaizen - The Stepping stone for Innovations and Inventions" organized by Rajalakshmi Engineering College, India from 20-Mar-2009 to 21-Mar-2009.
11. Attended a National level seminar on "Composites for Aerospace Applications" organized by Hindustan University, India from 24-Mar-2009 to 26-Mar-2009.
12. Participated in a National level conference on "Optimization Techniques and its application in Engineering" organized by Rajalakshmi Engineering College, India from 06-Aug-2009 to 07-Aug-2008.
13. Attended a National level Short Course on "Genetic algorithm and other optimization techniques" organized by Rajalakshmi Engineering College, India from 19-Aug-2009 to 01-Sep-2009.
14. Participated in a National level workshop on "Recent Developments in Manufacturing and Management" organized by Sri SaiRam Engineering College, India from 25-Jul-2011 to 30-Jul-2011.
15. Attended a National level Short Course on "Processing and Applications of Advanced Composite Materials" organized by St. Joseph's College of Engineering, India from 07-Nov-2011 to 19-Nov-2011.
16. Attended a National level seminar on "Alternate Fuels" organized by Vels University, India from 25-Feb-2012.
17. Participated in a International level workshop on "Recent Research Trends in Advanced Engineering Materials and Composites and its Characterisation" organized by Anna University, India from 27-Mar-2012 to 28-Mar-2012.
18. Participated in a National level conference on "Research Trends in Mechanical Engineering"" organized by Vels University, India from 11-Apr-2012.
19. Attended a National level seminar on "Alternate Fuels and Automotive Electronics" organized by Karpaga Vinayaga College of Engineering and Technology, India from 07-Sep-2012 to 08-Sep-2012.

20. Participated in a National level conference on "Fascinating Advancements in Mechanical Engineering" (FAME 2013) " organized by RMK College of Engineering and Technology, India from 11-Mar-2013.
21. Participated in a International level workshop on "International Workshop on Research Methodology" organized by Karpaga Vinayaga College of Engineering and Technology, India from 03-Apr-2013.
22. Attended a National level Short Course on "The World Community Service Centre" organized by KAYAKALPA, India from 07-Apr-2013.
23. Attended a National level Short Course on "Metallurgy and Materials for Practicing Engineers & Researchers" organized by IIT Madras , India from 21-Sep-2013 to 22-Sep-2013.
24. Participated in a National level workshop on "Raise the Bar Workshop 2K14" organized by Hindustan University , India from 01-Feb-2014.
25. Participated in a National level workshop on "Recent Trends on Nanomaterials for Engineering Applications (ETNEA 2014)" organized by MIT, Anna University , India from 21-Feb-2014 to 22-Feb-2014.
26. Participated in a National level workshop on "Emerging Trends in Mechatronic Systems (ETMS-2015)" organized by MIT Campus, Anna University, India from 06-Mar-2015 to 07-Mar-2015.
27. Participated in a International level conference on "Advanced Manufacturing Technologies for Engineering Sector" organized by Confederation of Indian Industry (CII), Chennai, India from 26-Jun-2015.
28. Participated in a National level workshop on "Third International workshop on Advanced Functional Materials (TIWAN - 2015)" organized by Anna University Chennai, India from 15-Oct-2015 to 16-Oct-2015.
29. Attended a National level Short Course on "Production Planning and Control" organized by Anna University, Chennai , India from 27-Nov-2015 to 03-Dec-2015.
30. Participated in a National level workshop on "Recent Trends in AWJM" organized by MIT Campus, Anna University, India from 19-Feb-2016.
31. Attended a National level Short Course on "Metrology and Measurements" organized by MIT Campus, Anna University, India from 30-May-2016 to 05-Jun-2016.
32. Attended a National level Short Course on "Design of Machine Elements" organized by Saveetha Engineering College, India from 13-Jun-2016 to 20-Jun-2016.
33. Participated in a National level workshop on "Faculty Knowledge Program" organized by IBS - ICFAI Business School, India from 05-Aug-2016.
34. Participated in a National level workshop on "Surface and Form Measurements in Automobile Engineering" organized by Department of Mechanical Engineering, CEG, Anna University Chennai, India from 12-Jan-2017.

35. Attended a National level Short Course on "Green Techniques for Sustainable Construction" organized by National Technical Teachers Training and Research, Chandigarh, India from 06-Feb-2017 to 10-Feb-2017.
36. Attended a National level Short Course on "Design of Machine Elements" organized by University College of Engineering, Panruti, India from 17-May-2017 to 23-May-2017.
37. Attended a National level seminar on "Advances in Manufacturing Technology (AMT-2018)" organized by Department of Manufacturing Engg., CEG, Anna University, India from 16-Mar-2018 to 17-Mar-2018.
38. Attended a National level seminar on "COMPOSITE IN PRECISION ENGINEERING" organized by BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, TAMILNADU from 05-Jun-2021.

## Honours

1. "Best Teacher award " given by Thiruvalluvar College of Engineering from India (1999).
2. "Best Teacher award " given by Meenakshi College of Engineering from India (2006).
3. "Teacher's Day Award " given by Education Today Publication from India (2012).

## Experience Abroad

1. Visited ICMAE 2011 Conference, Thailand from 29-Jul-2011 to 31-Jul-2011. Purpose of visit :Presenting a research paper at the Conference.
2. Visited ICMPAE 2012 Conference, Singapore from 27-Apr-2012 to 01-May-2012. Purpose of visit :Conference Session Chair.
3. Visited TANTA University, Egypt from 25-Mar-2019 to 28-Mar-2019. Purpose of visit :Presentation of research paper.

## Invited Lectures

1. Delivered a Lecture on "Engineering Graphics" in Faculty Development Programme organized by Easwari Engineering College, Chennai (25-Jul-2015).
2. Delivered a Lecture on "Green Manufacturing & Composite Materials" organized by Adhiparasakthi College of Engineering, Kalavai, Tamilnadu (12-Feb-2016).
3. Delivered a Lecture on "Green Manufacturing & Composite Materials" organized by Jeyalakshmi Institute of Technology, Salem (07-Jan-2017).
4. Delivered a Lecture on "Effective Way of writing Research papers for Journals, Conferences & Submission of Project Proposals for funding agencies" in one day workshop organized by Pallavan College of Engineering, Kanchipuram (21-Jan-2017).

5. Delivered a Lecture on "Green Manufacturing" organized by University College of Engineering , Panrutti (03-Feb-2017).
6. Delivered a Lecture on "Green Manufacturing" in IET Sponsored one day workshop organized by Eswari Engineering College, Chennai (06-Sep-2018).
7. Delivered a Lecture on "Processing of Composite Materials" in 7 Days FDP on Manufacturing Processes organized by Sri Sairam Engineering College, Chennai (17-Aug-2021).