

Bio – data of
Dr. BALU NAIK BANOTH
Professor of Mechanical Engineering & Director, UGC-HRDC
JNTUH, Kukatpally, Hyderabad-500085
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Name : Dr. Balu Naik Banoth
Father Name : Late Sri Lachiram Banoth
Date of Birth : 02-04-1969
Native District : Maripeda (Mdl), Warangal (Dist),
Telangana State.
Postal Address : MIG -357, Balaji Nagar Colony,
Kukatpally,
Hyderabad-500072

1. Academic Qualifications:

- B.Tech.(Mech. Engg.) from J.N.T. University, Hyderabad in the year 1992
- M.Tech (Prod. Engg.) from J.N.T. University, Hyderabad in the year 1999
- Ph.D. (Energy Systems) from J.N.T. University, Hyderabad in the year 2006

2. Details of Experience : Total Academic & Administrative Experience - 24 Years & 10 months

- 1992 to 2003 : Assistant Professor in Mechanical Engineering at J.N.T.U.H College of Engineering, Hyderabad.
- 2003 to 31.12.2010 : Associate Professor in Mechanical Engineering at J.N.T.U. H College of Engineering, Hyderabad.
- 01.01.2011 to 06.12.2012 : Professor in Mechanical Engineering at J.N.T.U College of Engineering, Hyderabad.
- 07.12.2012 to 27.07.2014 : Principal at J.N.T.U.H College of Engineering, Manthani, Karimnagar (Dist.)
- 28.07.2014 to 08-02-2015 : Professor in Mechanical Engineering at J.N.T.U.H

- 09-02-2015 till to date
Development Centre,

College of Engineering, Hyderabad.
: Director, UGC-Human Resource

JNTUH, Hyderabad

3. Other Administrative Responsibilities held:

- 1996 to 2001
J.N.T.U.H. Campus,
- 2001 to 2003
J.N.T.U.H
- 2003 to 2006
Campus, Hyderabad.
- 2007 to 15.10.2008
Staff College,
- 2007 to 15.10.2008
Examinations (UGC-
- 2008 to 2009
technical Manpower
- 2008 to 2009
Technology
- 2008 to 2010
Examination (Nodal
- 2010 and 2011
- 2010 to 2012
- 2012 to 27.07.2014
Engineering Manthani,
- 09-02-2015 to till date
Development Centre,

: Deputy Warden, Boys Hostel,
Hyderabad

: Hostel Manger, Boys & Girls Hostel ,
Campus, Hyderabad

: Co-ordinator, NSS, J.N.T.U.H.

: Deputy Director, UGC- Academic

J.N.T.U.H, Hyderabad.
: Officer-in-charge for University

Academic Staff College, Nodal Center-2)

: Project Officer(I/c) for National

Information System (NTMIS), J.N.T.U.H,
Hyderabad.

: Head Center for Nano - Science &
Technology

: Officer –in-charge for University
Centre – 3)

: Coordinator –EAMCET.

: Deputy Director, UGC-ASC,JNTUH

: Principal, JNTUH College of
Karimangar (Dist.)

: Director, UGC-Human Resource

JNTUH, Hyderabad

4. Research Work:

B.Tech Projects : 64 Students

M.Tech. Projects : 34 Students

Ph.D.Scholars : 06 Students

Ph.D Submitted : 04
Ph.D Awarded : 10

5. Research Publications : (Details in Annexure-1)

- Total National and International Publications : 142
- Papers published in International Journals : 43
- Papers published in National Journals : 17
- Papers presented in International Conference : 48
- Papers presented in National Conference : 34

6. Courses Coordinated:

1. UGC sponsored four week “43rd Orientation Course” held from 31-08-2015 to 29-09-2015.
2. UGC sponsored three week Summer School on “Role of Communication Skills in Effective Teaching” held from 08-06-2015 to 27-06-2015.
3. UGC sponsored One Week Short Term Course on “e-Learning and ICT for Teaching Learning” held from 02-11-2015 to 07-11-2015.
4. UGC sponsored four week “44th Orientation Course” held from 08-02-2016 to 05-03-2016.
5. UGC sponsored three week Summer School on “Strategies for Research Oriented Teaching” held from 06-06-2016 to 25-06-2016.
6. UGC sponsored four week “45th Orientation Course” held from 11-07-2016 to 08-08-2016.
7. UGC sponsored one week Short Term Course on “ICT in Teaching & Research” held from 03-10-2016 to 08-10-2016.
8. UGC sponsored four week “46th Orientation Course” held from 06-02-2017 to 04-03-2017.
9. UGC sponsored one week Short Term Course on “e-Learning and ICT for Teaching & Learning” held from 06-03-2017 to 11-03-2017.
10. UGC sponsored four week “47th Orientation Course” held from 08-05-2017 to 03-06-2017.
11. UGC sponsored three week Summer School on “Strategies for Research Oriented Teaching” held from 05-06-2017 to 24-06-2017.

7. Foreign Universities Visited:

- Brazil University, Brazil.
- U.A.E University, U.A.E
- Massachusetts Institute of Tech.(M.I.T), Harvard University, Boston University, Massachusetts, Boston, U.S.A

8. Membership in Professional Bodies:

- Life Member in Indian Society for Technical Education: LM-30791.
- FIE, F-1213330.
- Life Member in ASME.
- Life Member of CSI Communications.
- Life Member in Solar Energy Society of India (SESI): LM/2205/2016

9. Personal Distinctions:

- 2001 to 2003 : General Secretary of J.N.T.U. College of Engineering,
Teachers Association, Hyderabad
- 2003 to 2005 : Vice-President of J.N.T.U. College of Engineering Teachers Association, Hyderabad
- 2011 to 2014 : Vice-President of Telangana Universities Tribal Teachers Association (TUTTA), Hyderabad
- 2014 to date : President of Telangana Universities Tribal Teachers Association (TUTTA), Hyderabad

10. Nominations to Governing Bodies:

As Governing Body Member of Self Financed Engineering Colleges, such as

- Indur Institute of Engineering & Technology, Siddipet, Medak Dist.,
- Vaagdevi College of Engineering , Bollikunts (P), Warngal Dist.,
- Viswa Bharati College of Engineering & Technology, Nizampet, Hyderabad
- Narasimha Reddy Engineering College, Dundigal, R.R. Dist.,
- Vidhya Jyothi College of Engineering, Aziznagar, Ranga Reddy Dist.,
- Anurag College of Engineering, Kodad (M), Nalgonda Dist.

11. Invited Lectures:

- Ramappa Engineering College, Warangal Dist.
- Institute of Aeronautical Engineering, R.R. Dist.
- Vaagdevi College of Engineering, Warangal Dist
- Vivekananda Institution of Technology, Karimnagar Dist.
- CMR College of Engineering & Technology, Kandlakoya
- Ellenki College of Engineering & Technology, Patancheru
- G. Narayanamma institute of Technology & Science, Shaikpet, Hyderabad.

**(Dr. BALU NAIK
BANOTH)**

Annexure-1

11. Detailed List of Research Publications:

1. A Solution for Efficient Energy Conservation and Pollution Reduction: Fuel Cell Technology, (Proceedings of National Conference on State of the Art of Technologies in Mechanical Engineering (NCSAME-2004) held on 29th and 30th June 2004 at J.N.T. University Hyderabad, PP: 469-476)
2. Performance Analysis of Two –Stage CONWIP Serial Productions System Under Saturated Condition (Proceedings of National Conference on State of the Art of Technologies in Mechanical Engineering (NCSAME-2004) held on 29th and 30th June 2004 at J.N.T. University Hyderabad PP: 117-122)
3. Bio Gas Energy, Proceedings of National Conference on Computer Applications in Mechanical Engineering (CAME-2005 held on 16th December 2005 at J.N.T. University Anantapur PP: 279-280)
4. The Prospectus of Solar Energy in Rural Areas, Proceedings of National Conference on Computer Applications in Mechanical Engineering (CAME-2005 held on 16th December 2005 at J.N.T. University Anantapur PP: 277-278)
5. Energy Audit Approach in Compressed Air-System (Proceedings of National Conference on Computer Applications in Mechanical Engineering (CAME-2005) held on 16th December 2005 at J.N.T. University Anantapur PP: 281-284)
6. On the Commercialization Aspects of Solar Hot Water Systems in India. Proceedings of (National Conference on State of the Art of Technologies in Mechanical Engineering (NCSANE-2006) held on 05th and 6th May 2006 at J.N.T. University Hyderabad)
7. Finite Element Modeling of some Fracture Mechanisms (Proceedings of International Conference of recent advances in Material proceeding Technology (RAMPT-2005) held on 23rd to 25th February 2005 at Koril Pathi, Tamil Nadu PP: 265-270)
8. Thermal Design and Analysis of Avionics (Proceeding of International Conference on 01st Asian Symposium on Computational Heat Transfer and Fluid Flow held on 18th to 21st October 2007 at Xian, China)

9. Phenomenological Three Zone Model Prediction for Fuel Spray Penetration and air Entertainment of Four Stroke C.I. Engine (Proceedings of 19th International Congress of Mechanical Engineering (COBEM-2007) held on 5th to 9th November 2007 at Brasilia, Brazil.
10. Review on Bio-Diesel Exhaust at Emission Basic, Standard & Control Measures (Proceedings of International Conference & XX National Conference on I.C Engine & Combustion (ICONICE-2007) held on 06th to 09th December 2007 at J.N.T University Hyderabad)
11. Finite Element Modeling and Analysis of Friction Stir Welding (Proceeding of International Conference of Recent Advances in Materials 2007 at J.N.T. University Hyderabad)
12. Applications of Design of Experiments on Direct and Indirect Resistance Spot Welding for Low Carbon Steel Sheet Fabrication (Publications of International Journal of Manufacturing Science & Technology issued on 02nd June 2008 PP:11-28)
13. Effect of Typical Process Parameters of Electro Discharge Sawing using Taguchi Method, (Proceedings of International Congress of 2008, ASME International Mechanical Engineering Congress and Expositions (IMECE-2008), held on 31st October to 06th November 2008)
14. Design Approach for Automotive spot welding (Publication of International Journal of Manufacturing Science & Technology issued on December 2008)
15. Optimization of cutting parameters to surface roughness of mild steel an experimental study (National Conference in August 2009)
16. Heat balance studies in Resistance Spot welds (International Journal of Highly reliable Electronics Systems published by International Science press Volume-1 Number-2 July-December 2008 PP: 59-80)
17. Evaluation of Tension-Shear stress for single and multi spot welds: Direct and indirect Techniques, (International Journal of Manufacturing Science and Technology, Vol. 3(1) June 2009, PP: 59-80)

18. Development design consideration of warm forming of Aluminum alloy (Presented at National Mechanical Conference, August 2009 at JNTUCE, Hyderabad)
19. P12-Study and analysis of process parameters in granite machining (National Conference on ACME March 25-26, 2010)
20. P-27 An analysis of scheduling rules in hypothetical job shop production system (National conference on Advances and Challenges in Mechanical Engineering (ACME-2010) March 25-26, 2010, Thudpathi, Erode, TN.)
21. D04-Finite element simulation studies on the effect of interface friction in drawing AISI304 stainless steel and AL1100 materials at Constant Blank Holding Force (National Conference on ACME Erode Sengunthar Engineering College, Erode, Tamilnadu, March 25-26, 2010)
22. "Forecast of Price inflation for Electronic Systems" (International Conference on Global Interdependence and Decision Sciences (ICGIDS) at Administrative Staff College of India (ASCI), Hyderabad, 28-30 December 2009, Proceedings: ISBN 0230-32852-0, PP: 151 to 155)
23. R10ME045: Recent advancement in EDM Micro drilling process: A review (National Conference on Trends in Mechanical Engineering (TIME 2010) dated 25th and 26th February 2010)
24. P12-Study and Analysis of Process Parameters in Granite Machining (National Conference on ACME Erode Sengunthar Engineering College, Erode, Tamilnadu dated 25th-26th March 2010)
25. P27-An Analysis of Scheduling Rules in a Hypnotically job shop production system (National Conference on ACME Erode Sengunthar Engineering College, Erode, Tamilnadu dated 25th-26th March 2010)
26. D04-Finite Element simulations studies on the Effect of interface friction in drawing AISI 304 stainless steel and Al 1100 Materials at constant holding Force (National Conference on ACME Erode Sengunthar Engineering College, Erode, Tamilnadu dated 25th -26th March 2010)
27. Development of indirect resistance spot welding for automotive applications (held at Puducheery organizes by Indian Institute of Welding theme National weld MEET 2010 dated. August 6-9, 2010)

28. Development of Friction stir welding of Aluminum to Copper dissimilar materials for electrical industries experimental design result (held at Puducheery organized by Indian Institute of welding theme National weld meet 2010 dated August 6-9, 2010)
29. Performance and emission characteristics of a diesel engine with kanuga and cotton seed oil As alternate flues (Publication of International Journal of Mechanics and Thermodynamics, Vol. 1, Number 1(2010) PP: 1-11)
30. Prediction of Surface Roughness in Machining of Homogenized SICP Reinforced Aluminum Metal Matrix Composites Using Multiple Regression Analysis (Publication of International Journal of Manufacturing Science and Technology, Vol. 4, Number 2, December 2010, PP: 81-91)
31. Effect of Process Parameters on Mechanical Properties of Friction Stir Welding Aluminum/Copper Lap Joint (Publication of International Journal of Manufacturing Science and Technology, Vol. 4, Number 2, December 2010, PP: 149-161)
32. Performance and emission characteristics a diesel engine with kanuga and cotton seed oil as alternate fuels (Publications of Technology Spectrum, Journal of Jawaharlal Nehru Technological University, Hyderabad, Vol. 4, No. 3, November 2010)
33. Reengineering treatment in Block Replacement Decision Using Higher Order Markow Chains (IUP Journal of Operations Management (ISSN 0972-6888) Vol. X No.4, 2011, PP: 1-17(Article in press)
34. Block Replacement Modeling for Electronics Systems with Higher Order Markov Chains (UP Journal of Computational mathematics (ISSN 0974-6544), Vol. IV, No.2, June 2011, PP: 49-63)
35. First Order Markov Chain Modeling for Replacement of Computers (International Journal of applied Engineering Research ISSN 0973-4562, Vol.7, 2011, PP: 861-871)
36. Deployment of Mathematical Model for Group Replacement of Electronic System Using Markov Chains (International Journal

Technology Today (ISSN 2180-0987), Vol. III, Issue 1, January 2011, PP: 175-182)

37. Development of Mathematical Model for Block Replacement of Electronics Systems with Second Order Markov Chain Indian of Mathematics an Mathematical Science (ISSN 0973-3329), Vol.7, June 2011, PP: 1-11)
38. Forecast of Inflation for Electronic Systems (International Conference on Global Interdependence and Decision Sciences (ICGIDS) at Administrative Staff College of Indian (ASCI), Hyderabad, 28-30 December 2009, ISBN 0230-32852-0, PP: 151-155)
39. Development of Indirect resistance spot welding for automotive application, (Publication International Journal of Advanced Materials Manufacturing & Characterization. Vol. 1, Issue 2, October 2012, PP: 199)
40. Development of a composite materials from agro waste for wear resistance application (Journal of Chemistry and Chemical Engineering, ISSN: 1934-7375mUSA (Accepted for publication in International Journals, 2014).
41. Ingredients Compositions formulations and development of anew metal matrix composite for friction lining applications using MINITAB16 (International Journal of Engineering and Technology, Publishers GSTF, Singapore, Volume1, Number 1, PP: 99-104, ISSN: 2251-3701, June 2012)
42. Effect of grit size and abrasive type on surface of machined AL-SIC MMC (International Journal of Manufacturing Engineering SMF Publications, Volume7, Issue 2. PP: 67-71, ISSN: 0973-6867, June 2012)
43. Development of bio-degradable friction material for brake pads form Palm Kernel Sheel (International Journal of Mechanical Engineering and Materials Science Vol. 4, Number 1, PP: 1-6, ISSN:0974-584X, June 2011)
44. Development of a composite from agro waste for wear resistance applications (15th International Conference on Advanced in Materials &

Proceeding Technologies (AMOT 2012), University of Wollongong, Australia, PNAM-12007)

45. Ingredients Compositions Formulations and development of a new metal matrix composite for friction Lining applications using MINITAB16 (Annual International Conference on Materials Science, Metal & manufacturing (M3 2011), Michigan Technological University, December 12-13, 2011 SINGAPORE, PP: 7-13, ISSN:2251-1857)
46. Comparative evaluation of surface finish (Ra) for AL-SiC metal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN(MATLAB) (5th International Conference on Advance in Mechanical Engineering (ICAME-2011) June 2011, S.V. National Institute of Technology, Surat, India. PP: 586-591)
47. Performance of different grinding wheels machining of AL-SiC Metal matrix Composite (International Conference on Futuristic Trends in Materials & Energy Systems FTME 2011, 29-30 December 2011, V.R Siddhartha Engineering College, Vijayawada-520 007, Andhra Pradesh, INDIA.
48. Effect of grit size and abrasive type on surface finish of machined AL-SiC MMC (Second National Conference on Recent Advance In Manufacturing September 15-17,2011, S.V.NIT, Surat, INDIA, PP:1-6)
49. Optimization of process parameters for machining of AL-SiC MMC using Taguchi design (National Conference on Advance in Mechanical Engineering (AMIM 2012), October 11-12, VCE, Hyderabad, INDIA, PP: 228-233)
50. Some aspects of formability of ASS 304 under conditions (Journal of Manufacturing Engineering, December 2013, Vol.8, PP: 221-224)
51. Study of Formability and Thickness Distribution in Warm Forming of ASS 304 (4th International & 25th AIMTDR Conference 2012)
52. Study of Micro hardness of Deep Drawn Cups for Austenitic Stainless steel-304 under warm Conditions (International Conference, PP: 16 and participated in the HNS-2012 conference from 27th to 29th September, 2012 at GRT Grand, Chennai.

53. Experimental Investigation of Punch load of ASS 304 at various Temperatures (International Conference on Materials Processing and characterization March 8-10, 2012, Hyderabad)
54. Micro hardness Studies of Austenitic Stainless Steel-304 (International Conference on Materials Processing and Characterization March 8-10, 2012, Hyderabad)
55. Development and Design Considerations of Warm forming of Aluminum-alloy (National Conference on State of the Art of Technologies in Mechanical Engineering (NCSAME-2009) Aug. 20-21, 2009 at JNTUHCEH, Hyderabad.
56. Characterization of Friction Stir Welded Joint (AZ31) by TAGUCHI (National Conference on Innovation in Mechanical Engineering, 21st March 2014)
57. Friction Stir Welding of AZ31 MG Alloy (International Conference on Engineering Trends in Mechanical Engineering, 24th - 25th February 2014)
58. Formability Studies of ASS 304 and evaluations of friction for AI in deep drawing setup at elevated temperature using LS-DYNA (Journal of King Saud University – Engineering Sciences (2014) 26, 21-31)
59. Simulation and experimental investigation of AA 304 at Various temperatures in warm deep drawing forming Process (International Conference on Smart Systems (ICSS-2013), 07-08 October 2012, Hyderabad, India)
60. Experimental Analysis of Z-Pinned Carbon Fiber Composites (International Conference on Advanced Materials and Manufacturing Technologies (AMMT) 978-93-82163-46-6, 2011)
61. Experimental Investigations of process parameters of electro discharge sawing, a modified EDM using TAGUCHI approach. (International journal of emerging technology and advanced engineering, Nov-2012)

62. Evaluation of Electro discharge sawing, A modified EDM process (National conference on trends and advances in Mechanical Engineering, Oct. 2012)
63. Morphology of machined surfaces from Electro discharge sawing and sinking EDM (International Conference cum Journal-World Academy of Science, Engineering and Technology, 2013)
64. Study of Investigations on process parameters of Electro discharge sawing using Taguchi approach (International Journal of Engineering Research and Technology, July 2013)
65. Experimental Design and Analysis of Relative effects of variable factors on electro discharge sawing process using Taguchi approach (International Conference cum journal applied Mechanics and Materials, April-2013)
66. Machining characteristics of H.S.S. and Titanium using electro discharge sawing and wire-electro discharge machining (International conference cum journal on materials processing and characterization, 2014)
67. Experimental Investigations of HSS Mz alloy on wire electric discharge machining process using Taguchi methodology (International journal of Engineering Science and Innovative Technology, May-2014)
68. Some Metallurgical Studies of Austenitic Stainless steel 304 under warm deep drawing (Journal on Iron and Steel Research, International, 2014)
69. Parametric Optimization of Tool Wear Rate in Micro Drilling of Maraging Steel 300 Alloy (Reason – A Technical Journal, ISSN 2277-1654, Volume XIII.2014, Page No. 33-40)
70. Alcohol as Alternative Fuels for Diesel Engines : A Review (International Journal for Research in Applied Science & Engineering Technology, ISSN No: 2321-9653, Volume 3, Issue VI, June 2015)

71. Laser Ignition System for International Combustion Engine (International Journal of Engineering and Computer Science, ISSN No. 2319-7242, Volume 4 Issue 4 April 2015, page No. 11407-11412)
72. Laser Ignition System for Internal Combustion Engine (ISBN: 978-15-086565-24, International Conference on Emerging Trends in Engineering Research” , held at Hotel NRS Sakithyan, Chennai on 22nd March 2015)
73. Alcohols as alternative fuels to internal combustion diesel engine (All Indian Conference on Sustainable Product Development in Mechanical & Mechatronics Engineering”, April 24th–25th 2015, Chhatrapati Shivaji Institute of Technology, Shivaji Nagar, Durg (C.G.), India, ISBN: 978-81-923288-3-6)
74. An Entrepreneurship Opportunity on Bio-Diesel as an alternative Green Fuel to Internal Combustion Diesel Engine (2nd International Conference on Next Generation Education for Entrepreneurial Engineers on 9th – 10th March 2015, ISBN: 978-93-84743-53-6)
75. Biodiesel: Production, Properties, Applications and its Implementation in India (National Conference on Recent Trends in Science & Technology (NCRTST 2015), JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar, T.S. 25-26 February, 2015, pp. 78-83, ISBN: 978-93-82570-52-3)
76. Performance and emission analysis of waste vegetable oil and it's blends with diesel and additive (International Journal of Engineering Research and applications ISSN: 2248-9622, Vol.3, Issue 6, Nov-Dec 2013, pp. 473-478)
77. Experimental Analysis of Single cylinder diesel engine fueled with methyl ester mustard oil blended to diesel additive (International Symposium on “Recent advances in integrated Energy and energy Conservation (RAIEEC-2012), Dec. 19-20, 2012)
78. Effect of Process Parameters on Tool wear rate in Micro Drilling of Maraging Steel 300 Alloy (4th International & 25th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2012) December 14th -16th 2012, Jadavpur University, Kolkata, India.

79. Investigating the Effect of Machining Parameters on Micro drilling of Titanium Grade 19 Alloy (ASME 2013 International Mechanical Engineering Congress and Exposition, Volume 2B: Advanced Manufacturing, San Diego, California, USA, November 15-21, 2013 ISBN: 978-0-7918-5619-2)
80. Realization of surface morphology and process parameter optimization in Micro EDM hole drilling of maraging steel 300 alloy (ASME 2015 International Mechanical Engineering Congress & Exposition IMECE2015, November 13-19, 2015 Houston, Texas, USA)
81. Parametric Optimization of tool wear rate in micro drilling of maraging steel 200 alloy (Reason – A Technical Journal ISSN 2277-1654, Volume XIII, 2014)
82. Evaluation of electrode wear rate in micro drilling of titanium 19 grade alloy using Taguchi Method (International Conference on Materials Processing and Characterization March 8-10, 2012, Hyderabad)
83. Recent Advances in Micro – EDM (National Conference on “Recent Advances in Manufacturing Engineering & Technology” January 10-11, 2011)
84. R10ME045: Review of EDM Micro Drilling Process (National Conference on Trends in Mechanical Engineering (TIME-2010) 25th – 26th February, 2010)
85. Parametric Study of Microwave horn antenna for optimum surface finish and improving electrical performance (Global Journal of Mechanical Engineering & Computer Sciences, 2011: 1(4))
86. Investigation of physiochemical properties of Fly Ash from Kothagudem Thermal Power Station (International Conference on “Environment and Energy – 2014, ISBN: 978-93-81212-96-7)
87. Resistance Spot Weld Quality Characteristics Improvement by Taguchi Method (4th International Conference on “Materials Processing and Characterization” Proceedings 2 (2015) 2595 - 2604)

88. Formability analysis of austenitic stainless steel – 304 under warm conditions (AIP Conference Proceedings 1567, 378-381 (2013), doi:10.1063/1.4849994)
89. Experimental Study on friction stir welding of Aluminium to copper dissimilar metals lap joint (4th National conference on “Advances in Mechanical Engineering (AIM 2013), Vasavi College of Engineering, AP., November 7-8, pp. 297-300)
90. Finite Element Modeling and analysis of Rotational tool used for friction stir welding of Al/Cu Bimetallic Lap Joints (National Conference Recent Advancements in Engineering and Management, April 10-13, 2012 (NCRAEM’12))
91. Mechanical Behavior of Friction Stir Welding of Aluminium to Copper Dissimilar Metals Lap Joint (National Conference on Advances in Mechanical Engineering [AIM-2010] 18th – 19th Nov. 2010, at Vasavi College of Engineering, Ibrahimbagh, Hyderabad)
92. Finite Element Modeling and Analysis of Friction Stir Welding International Conference on Recent Advances in Materials, Processing and Characterization, V.R. Siddhartha Engineering College, Vijayawada, A.P., 3-4 July 2008, pp. 37-42)
93. Parametric Optimization in Friction Stir Welded Aluminium / Copper Dissimilar Materials Lap Joint (International Conference on Advanced Materials, Manufacturing, Management & Thermal Sciences, 18th -19th Nov. 2010, Siddhartha Institute of Technology, Tumkur)
94. Thermo-Mechanical model of friction stir welding applied to Al/Cu Bimetallic lap joint (International Welding Symposium (IWS 2012), Mumbai)
95. Effect of Tool Geometry on Joint Properties of Friction Stir Welded Al/Cu Bimetallic Lap Joints (The IUP Journal of Mechanical Engineering, Vol. No.1, February 2012, PP: 38-50)
96. Evaluation of joint properties of Friction Stir Welded Al/Cu Bimetallic Lap joints made by threaded tool (Technology Spectrum ISSN: 0974-6854, Vol. 5, No.3, 2011)

97. Effect of Process Parameters on Mechanical Properties of Friction Stir welded Aluminium/Copper Lap Joint (International Journal of Manufacturing Science and Technology 4(2) December 2010; pp.149-161)
98. Finite Element Modeling and Thermo Mechanical Analysis of Friction Stir Welded Al/Cu Bimetallic Lap Joints (International Journal of Mechanical Engineering and Robotics Research, ISSN 2278-0149, Vol. 1, No. 2, July 2012)
99. Characterization of friction stir welded joint (AZ31) by Taguchi (Conference on Recent Innovation in Mechanical Engineering 2014, ISBN: 978-93-83038-13-8) March 21, 2014, Hyderabad)
100. Friction Stir welding of AZ31 MG Alloy (International Conference on Emerging Trends in Mechanical Engineering (International Conference on Emerging Trends in Mechanical Engineering ISBN: 978-93-82163-09-1, Vol. 1, 24th, 25th February 2014)
101. Effect of Liquid nitrogen on friction stir welded joint of magnesium alloy AZ31B (International Journal of Applied Engineering and Technology ISSN: 2277-212X (online), 2015 Vol. 5(2), April-June, pp. 40-44)
102. Microstructure and Mechanical Properties of Friction Stir Welded AZ31B Magnesium Alloy (International Journal of Ethics in Engineering & Management Education, ISSN: 2348-4748, Vol. 2, Issue 6, June 2015)
103. Investigating the effect of Cryogenic Process on a Friction Stir welding AZ31sB Magnesium Alloy (International Journal of Advanced Research Foundation ISSN: 2394-3394, Volume 2, Issue 5, May 2015)
104. Optimizing the Process parameters of friction stir welded joint of magnesium alloy AZ31B (International Journal of Research in Engineering & Technology, eISSN: 2319-1163, pISSN: 2321-7308, May 2014)
105. Mechanical behavior of friction stir welded joint of magnesium alloy (AZ31) by Taguchi (International Journal of Ethics in Engineering & Management Education, ISSN: 2348-4748, Volume 1, Issue 3, March 2014).

106. Resistance Spot Weld Quality Characteristics Improvement by Taguchi Method (4th International Conference on Materials Processing and Characterization (ICMPC 2015))
107. Characterization of Aluminium matrix composites (AA6061/B₄C) fabricated by stir Casting Technique (4th International Conference on Materials Processing and Characterization (ICMPC 2015))
108. Experimental Investigation of Bi directional Carbon Fiber Composite (4th International Conference on Materials Processing and Characterization (ICMPC 2015))
109. Finite Element Simulation Studies for ASS 304 for Deep Drawing at various Temperatures (4th International Conference on Materials Processing and Characterization (ICMPC 2015))
110. Performance Characteristics of VCR Engine with Diesel Additive and Eucalyptus Oil (Aspects of Mechanical Engineering and Technology for Industry, ISBN: 978-93-83842-96-4, First Impression: 2014)
111. Experimental Investigation of performance and Emission Characteristics of Methyl Ester Palm Kernel Oil-Eucalyptus Oil Blends in a single cylinder diesel engine (International Journal of Mechanical Engineering Research & Applications (IJMERA), ISSN: 2347-1719, Vol. 1, Issue 3, August, 2013)
112. Experimental Investigations of HSS M2 Alloy on Wire Electric discharge machining Process Using Taguchi Methodology (International Journal of Engineering Sciences and Innovative Technology (IJESIT), ISSN: 2319-5967, Vol. 3, Issue 3, May 2014)
113. Experimental Investigations of Process Parameters of Electrodischarge Sawing, A modified EDM using TAGUCHI APPROACH (International Journal of Emerging Technology and Advanced Engineering ISSN: 2250-2459, Vol. 2, Issue.1, November 2012)
114. Study of Investigations on Process Parameters of Electro Discharge Sawing using Taguchi Approach (International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol.2, Issue 7, July-2013)

115. Optimization of IRSW Process Parameters by Taguchi Method (IJMST: 8(2) December 2014, pp. 157-171)
116. Study on Nugget Development in RSW Process with Flat Tip Cylindrical Electrode (IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN:2278-1684, p-ISSN: 2320-334X, Volume 11, Issue 5, Ver. 1 (Sep.-Oct. 2014), pp. 09-17)
117. Influence of Welding Parameters on Nugget Formation in RSW Process (International Journal of Emerging Technology and Advanced Engineering (ISSN: 2250-2459, ISO 9001:2008 certified Journal, Vol. 4, Issue 6, June 2014)
118. Effect of Electrode Force on Spot Weld Quality (National Conference on "Emerging Trends in Science, Technology and Management (NCETSTM 2K14), ISBN::978 93 83038 20 6)
119. RSW Process Parameters Optimization by Taguchi Method (IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN:2278-1684, p-ISSN: 2320-334X, Volume 11, Issue 5, Ver. II (Sep.-Oct. 2014), pp. 46-54)
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