

Dr. MAHESH B. PARAPPAGUDAR

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Work Experience

Principal, Padre Conceicao College of Engineering, Verna, Goa, Since, Aug. 2017

Professor, Sanjeevan Engineering and Technology Institute, Panahala, Feb 2017 – July 2017

Principal, Chhatrapati Shivaji Institute of Technology, Durg Jan 2010 – Jan 2017

Gogte Institute of Technology, Belgaum Oct 1996 – Dec 2009

Oct'96 – Sep'02 Lecturer

Oct'02 – Jul'05 Senior Lecturer

Aug'05 – Apr'08 Assistant Professor

May'08 – Dec'09 Professor

ShriJagadguru Murugharajendra Institute of Technology, Chitradurga Nov 1992 – Sep1996

Lecturer

EDUCATION

Ph.D. (Mechanical Engineering) Indian Institute of Technology, Kharagpur in 2008

M.E. (Production Management) from Gogte Institute of Technology, Karnataka University, Dharwad in 1996 with 1st Class

B.E. (Industrial & Production Engineering) from B.V Bhoomaraddi College of Engineering & Technology, Karnataka University Dharwad in 1990 with 1st Class

THESIS

Ph.D. Thesis Title: Modelling of Moulding Sand Systems Using Conventional Regression Tools and Neural Network-Based Approaches

PERSONAL DETAILS

Date of Birth : 8th June, 1968

Permanent Address : "RenukaKrupa" Building, Shivagiri, Barakotri, Dharwad - 580007, Karnataka, India

Current Address : Fl. No: A-05, Sapana Woods, Borda, Margaon, Goa, India

Languages Known : English, Hindi and Kannada

List of Publications:

International Journal Publications: (Under Review)

1. B. Surekha, Pandu R. Vundavilli, D. HanumathaRao, G. Krishna MohanaRao and **M.B. Parappagoudar**, Design and Development of Fuzzy Logic-based Expert System for Forward and Reverse Mappings in Resin Bonded Sand Systems, **International Journal of System Assurance Engineering and Management**, Springer Publications **(Under Review, Revised version submitted)**.
2. Manjunath Patel **G C**, Arun Kumar Shettigar and Mahesh B. Parappagoudar, A systematic approach for modelling and optimization of squeeze casting wear rate, **Journal of Manufacturing Processes**, Elsevier Publications, **(Under Review)**.
3. Ganesh R Chate, Manjunath Patel GC, Anand S Deshpande and **Mahesh B Parappagoudar** , Modelling and optimization of no-bake furan resin-bonded moulding sand system with saw dust as additive, **International Journal of Advanced Manufacturing Technology**, Springer Publications **(Under Review, Revised Version Submitted)**.

International Journal Publications: (Accepted/press/Published)

1. Manjunath Patel G C, Arun Kumar Shettigar, Prasad Krishna and **Mahesh B. Parappagoudar**, Modelling of squeeze casting process using neural network-based expert systems, **Applied Soft Computing**, Elsevier Publications **(Accepted, in press)**.
2. Ganesh R Chate, Manjunath Patel GC, Raviraj M. Kulkarni, Pavan Vernekar, Anand S Deshpande and Mahesh B Parappagoudar , Study of the effect of nano-silica particles on resin-bonded moulding sand properties and quality of casting, **Silicon**, Springer Publications **(Accepted, in Press)**
3. Ganesh R Chate, Manjunath Patel GC, Anand S Deshpande and Mahesh B Parappagoudar, Non-Linear Modelling Analysis and optimization of furan moulding sand system Using CCD DFA and MOPSO-CD. Proceedings of the iMeche, **Part E: Journal of Process Mechanical Engineering**, SAGE **(Accepted, in Press)**.
4. .Ganesh R Chate, Manjunath Patel GC, Anand S Deshpande and **Mahesh B Parappagoudar**, Modeling and optimization of phenol formaldehyde resin sand mould system, , **Achieves of foundry engineering**, DEGRUYTER Publishers Germany, **(Accepted, in Press)**
5. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Modelling of Squeeze Casting Process: Conventional Statistical Regression Analysis Approach, **Applied Mathematical Modelling**, Elsevier Publications, **Vol. 40. Issue. 15, 2016, pp. 6869-6888.**
6. Manjunath Patel G C, Prasad Krishna, Pandu R. Vundavilli and **Mahesh B. Parappagoudar**, Multi-Objective Optimization of Squeeze Casting Process using Genetic Algorithm and Particle Swarm Optimization, **Achieves of foundry engineering**, DEGRUYTER Publishers Germany, . **Vol. 16, 2016 Issue 3, pp. 172-186.**
7. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, An intelligent System for Squeeze Casting Process -Soft Computing Based Approach, **International Journal of Advanced Manufacturing Technology**, Springer Publications, **vol. 86,issue 9, 2016 pp 3051–3065.**
8. Abhinay Bhat, **Mahesh B. Parappagoudar**, Application of Response Surface Methodology, for Modelling the Effect of Alloying Elements on Mechanical Properties of Structural Steel, **International Journal of Research and Innovations inScience and Technology**, SAINTGITS Group of Institutes, India, **(Accepted, in press)**.

9. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Modelling and Multi-objective optimization of squeeze casting process using regression analysis and GA, **Australian Journal of Mechanical Engineering, Engineers Media Publication/Taylor and Francis Publications, Sydney, Australia, Vol. 14, Issue 3, 2016 pp. 182-198.**
10. Jayant K. Kittur, Manjunath Patel G.C, **M.B. Parappagoudar**, Modeling of Pressure Die Casting Process – An Artificial Intelligence Approach, **International Journal of Metal Casting, American Foundry Society/Springer, Vol. 10, Issue 1, 2016, pp. 70-87 .**
11. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Multi-Objective Optimization of Squeeze Casting Process Using Evolutionary Algorithms, **International Journal of Swarm Intelligence Research (IJSIR), IGI Publications, USA, Vol. 7, Issue 1,2016, pp. 57-76.**
12. Abhinay Bhat, **Mahesh B. Parappagoudar**, Modeling and Analysis of Mechanical Properties in Structural Steel – DOE Approach, **Achieves of foundry engineering, DE GRUYTER Publishers Germany, Vol. 15, issue 4, 2015, pp. 5-12.**
13. Pandu R. Vundavilli, J. Phani Kumar, Ch. Sai Priyatham, **Mahesh B. Parappagoudar**, Neural Network-based Expert System for Modeling of Tube Spinning Process, **Neural Computing and Applications, Springer Publications, Vol. 26, 2015, pp. 1481-1493.**
14. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Modelling of Squeeze Casting Process using Design of Experiments and Response Surface Methodology, **International Journal of Cast Metals Research, Maney Publications UK, Vol. 28, issue 3, 2015, pp. 167-180.**
15. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Modelling in Squeeze Casting Process – Present State and Future Perspectives, **Advances in Automobile Engineering, OMICS Publishing, Vol. 4, issue 1, 2015, pp. 3-9.**
16. S.S. Mahapatara, S.K. Sharma, **M.B. Parappagoudar**, Benchmarking of Product Recovery Alternatives in Reverse Logistics, Benchmarking: an International Journal, **Emerald Publications, Vol. 23, issue 3, 2016.**
17. Jayant K. Kittur, M.N. Choudhari, **M.B. Parappagoudar**, Modeling and Multi-response Optimization of Pressure Die casting Process using Response Surface Methodology, **International Journal of Advanced Manufacturing Technology, Springer Publications, Vol. 77, issue 1-4, 2015, pp 211-224.**
18. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Prediction of secondary dendrite arm spacing in squeeze casting using fuzzy logic based approaches, **Achieves of foundry engineering, DE GRUYTER Publishers Germany, Vol. 15, No 1, pp51-68, 2015.**
19. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, ABC and GA Optimized NN to Model Resin-bonded Mould/Core Sand System: A Soft Computing Based Approach, **Journal for Manufacturing Science and Production, DE GRUYTER Publishers Germany, Vol. 14, No. 4, pp 257-267, 2014.**
20. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Forward and reverse process models for the squeeze casting process using neural network based approaches, **Applied Computational Intelligence and Soft Computing, Hindwai Publication, Vol. 2014, Article ID 29396, <http://dx.doi.org/10.1155/2014/293976>.**
21. Manjunath Patel G C, Robins Mathew, Prasad Krishna and **Mahesh B. Parappagoudar**, Investigation of squeeze cast process parameters effects on secondary dendrite arm spacing using statistical regression and artificial neural network models, **Procedia Technology, Elsevier Publications, Vol. 14, pp. 149-156, 2014.**
22. Manjunath Patel G C, Prasad Krishna and **Mahesh B. Parappagoudar**, Optimization of squeeze cast process parameters using taguchi and grey relational analysis, **Procedia Technology, Elsevier Publications Vol. 14, PP. 157-164, 2014.**
23. Manjunath Patel G. C, Prasad Krishna, **Mahesh B. Parappagoudar**, Prediction of squeeze cast density using fuzzy logic based approaches, **Journal for Manufacturing Science and Production, DE GRUYTER Publishers Germany, Vol. 14, No. 2, pp. 125-140,2014.**
24. Pandu R. Vundavilli, J. Phani Kumar and **M.B. Parappagoudar**, Weighted average-based multi objective optimization of tube spinning process using non-traditional optimization techniques, **International Journal of Swarm Intelligence Research (IJSIR), IGI Publications, USA, Vol. 4, No. 3, pp. 42-57, 2013.**

25. B. Surekha, D. Hanumantha Rao, G. Krishna Mohana Rao, Pandu R. Vundavilli and **M.B. Parappagoudar**, Application of Response Surface Methodology for Modeling the Properties of Chromite-based Resin Bonded Sand Cores, **International Journal of Mechanics, NAUN Journals, Vol. 7, No 4 2013.**
26. Surekha, D. Hanumantha Rao, G. Krishna Mohana Rao, Pandu R. Vundavilli and **M.B. Parappagoudar**, Prediction of resin bonded sand core properties using fuzzy logic, **Journal of Intelligent and Fuzzy Systems, IOS Press, Amsterdam, Vol. 25, No. 3, pp. 595-604, July 2013.**
27. S.S. Mahapatara, S.K. Sharma, **M.B. Parappagoudar**, A Novel Multi-Criteria Decision Making Approach for Selection of Reverse Manufacturing Alternative, **Int. J. of Services and Operations Management, Inder Science Publishers, Vol. 15, No. 2, pp.176-195.**
28. **Mahesh B. Parappagoudar**, Pandu R. Vundavilli, Applications of Modeling Tools in Manufacturing to Improve Quality and Productivity with Case Study, **Proceedings in Manufacturing Systems, Romanian Academy, Vol. 7, Issue 4, pp. 193-198, 2012.**
29. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, Forward and Reverse Mappings of the Cement - Bonded Sand Mould System using Fuzzy Logic, **International Journal of Advanced Manufacturing Technology, Springer Publications, Vol. 61, pp. 843-854, Aug'12**
30. Jayant K. Kittur, **M.B. Parappagoudar**, Forward and reverse mappings in die casting process by neural network-based approaches, **Journal for Manufacturing Science and Production, DE GRUYTER Publishers Germany, Vol. 12, issue 1, pp. 65-80, Apr'12**
31. B. Surekha, Pandu R. Vundavilli, D. Hanumatharao, G. Krishna Mohana Rao and **M.B. Parappagoudar**, Modeling and analysis of resin bonded sand mould system using design of experiments and central composite design, **Journal of Manufacturing Science and Production, DE GRUYTER Publishers Germany, Vol. 12, issue 1, pp. 31-50, Apr'12**
32. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, Reverse Modeling of Green Sand Mould System Using Fuzzy Logic-Based Approaches, **Journal for Manufacturing Science & Production, DE GRUYTER Publishers Germany, Vol. 12, issue 1, pp. 1-16, Apr'12**
33. Pandu. R Vundavilli, **M.B. Parappagoudar**, Shyam P Kodali, B. Surekha, Fuzzy Logic-based Expert System for Prediction of Depth of Cut in Abrasive Water Jet Machining Process, **Knowledge – Based Systems, Elsevier Publications, Vol. 27, pp. 456-464, Mar'12**
34. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, Modeling of Cement-Bonded Moulding Sand System – An Artificial Intelligence Approach, **International Journal of Manufacturing, Materials and Mechanical Engineering, IGI Publications, USA, Vol. 2, Issue 1, January – March 2012, pp 31-47**
35. B. Surekha, Lalith K. Kaushik, Abhishek K. Pandu, Pandu. R Vundavilli, **M.B. Parappagoudar**, Multi Objective Optimization of Green Sand Mould System Using Evolutionary Algorithms, **International Journal of Advanced Manufacturing Technology, Springer Publications, Vol. 58, No. 1-4, pp. 9-17, Jan'12**
36. **M.B. Parappagoudar**, D.K. Pratihari, G.L Datta, , Modeling and Analysis of Sodium Silicate-Bonded Moulding Sand System Using Design of Experiments and Response Surface Methodology, **Journal for Manufacturing Science & Production, DEGRUYTER Publishers Germany, Vol. 11, issue 1-3, pp. 1-14, Dec'11**
37. B. Surekha, Pandu. R Vundavilli, R.P. Bhat, **M.B. Parappagoudar**, Forward and Reverse Mappings in Metal Casting – A Step towards Quality Casting and Automation, **AFS Transactions, American Foundry Society Publishers, Vol. 119, 2011, pp 19-34**
38. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, A. Srinath, Design of Genetic-Fuzzy System for Forward and Reverse Mapping of Green Sand Mould System, **International Journal of Cast Metals Research, Maney Publications, UK, Vol. 24 Number 1, 2011, pp 53-64**
39. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, K. Shyam Prasad, Modeling of High Speed Finish Milling Process Using Soft Computing, **International Journal of Modeling, Simulation and Scientific Computing, World Scientific Publications, Vol. 1, Number 3, 2010, pp 405-420**
40. B. Surekha, Pandu. R Vundavilli, R.P. Bhat, **M.B. Parappagoudar**, Design of Fuzzy Logic-Based Expert System for Forward Modeling of Green Sand Mould System, **International Journal on Mechanical & Automobile Engineering, Scientific Engineering Research Corporation Publications, Vol. 4, Number 5, Jun'09 – Aug'09, pp 69-93**

41. Jayant K. Kittur, T. V. Herwadkar, **M.B. Parappagoudar**, Linear Modeling of Aluminium Alloy Die Casting Process Using Conventional Statistical Regression Analysis, **International Journal on Mechanical & Automobile Engineering**, Scientific Engineering Research Corporation Publications, **Vol. 5, Number 7, Jun'09 – Aug'09, pp 64-74**
42. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, Prediction of Flank Wear in Drilling Using Genetic-Neural and Genetic-Fuzzy Systems, **Emerging Journal Engineering Science and Technology**, Scientific Engineering Research Corporation Publications, **Vol. 2, Number 3, Mar'09 – May'09, pp 15-26**
43. **M.B. Parappagoudar**, D.K. Pratihari, G.L Datta, Neural network-based approaches for forward and reverse mappings of sodium silicate-bonded, carbon dioxide gas hardened moulding sand system, **Materials and Manufacturing Processes**, Taylor and Francis Publications, **Vol. 24, Number 1, Jan'09, pp 59-67**
44. **M.B. Parappagoudar**, D.K. Pratihari, G.L Datta, Linear and non-linear modelling of cement-bonded moulding sand system using statistical regression analysis, **Journal of Materials Engineering & Performance**, ASM & Springer publications, **Vol. 17, Number 4, Aug'08, pp 472-481**
45. **M.B. Parappagoudar**, D.K. Pratihari, G.L Datta, Forward and reverse mappings in green sand mould system using neural networks, **Applied Soft Computing**, Elsevier Publications, **Vol. 8, Number 1, 2008, pp.239-260**
46. **M.B. Parappagoudar**, D.K. Pratihari, G.L Datta, Modelling of Input - Output Relationships in Cement-Bonded Moulding Sand System using Neural Networks, **International Journal of Cast Metals Research**, Maney Publications UK, **Vol. 20, Number 5, 2007, pp. 265-274**
47. **M.B. Parappagoudar**, D.K. Pratihari, G.L. Datta, Linear and non-linear statistical modelling of green sand mould system, **International Journal of Cast Metals Research**, Maney Publications UK, **Vol. 20, Number 1, 2007, pp. 1-13**
48. **M.B. Parappagoudar**, D.K. Pratihari, G.L. Datta, Non-linear modelling using central composite design to predict green sand mould properties, **Proceedings of the IMechE Part - B Journal of Engineering Manufacture**, Professional Engineering Publications USA, **Vol. 221, Number 5, 2007, pp. 881-895**

National Journals:

1. **M.B. Parappagoudar**, D.K. Pratihari, G.L. Datta, Green Sand Mould System modelling through design of experiments, **Indian Foundry Journal**, **Vol. 51 (April 2005), pp. 40-51.**
2. B. Surekha, Pandu. R Vundavilli, **M.B. Parappagoudar**, A. Jagadeesh, Modeling of Cement Bonded Sand Mould System using Fuzzy Logic, **CSVTU Research Journal**, **Vol. 06, 2013, pp. 47-51.**

International Conference:

1. Manjunath Patel G C, Prasad Krishna and Mahesh B. Parappagoudar, Optimization of squeeze cast process parameters on hardness of LM20 alloy using taguchi method, 3rd WCSET 2014, Kathmandu, **Nepal** (Accepted:), September 27-28, 2014
2. Manjunath Patel G C, Robins Mathew, Prasad Krishna and Mahesh B. Parappagoudar, Investigation of squeeze cast process parameters effects on secondary dendrite arm spacing using statistical regression and artificial neural network models, ICIAME-2014, GCET, Gujarat, **India**, March 7-8, 2014, pp. 62
3. Manjunath Patel G C, Prasad Krishna and Mahesh B. Parappagoudar, Optimization of squeeze cast process parameters using taguchi and grey relational analysis, ICIAME-2014, GCET, Gujarat, **India**, March 7-8, 2014, pp. 63
4. Mahesh. B. Parappagoudar, Pandu. R Vundavilli, Application of Modeling Tools in Manufacturing to Improve Quality and Productivity with Case Study, International Conference on Manufacturing Systems – ICMaS 2012, 8-9 November, Bucharest, **Romania (Presented in plenary session)**
5. J. K. Kittur, M. Patel, M.N. Choudhari, T.V. Herwadkar & M.B. Parappagoudar - Neural Network Model to Predict the Process Parameters and Responses Using Forward and Reverse Mappings. "International Conference on Advances in Materials and Materials Processing" (ICAMMP-2011), December 9-11, at I.I.T, **Kharagpur**, India, pp. 33-34

6. Jayant K. Kittur, Manjunath Patel G.C, M.N. Choudhari, T. V. Herwadkar, M.B. Parappagoudar, Neural Network Model to Predict Drilling Parameters on Surface Roughness, Proc. Of the 5th International Conference on Advances in Mechanical Engineering (ICAME – 2011), June 06-08,2011, S.V. National Institute of Technology, **Surat** – 395007, Gujarat, India, pp. 1238-1242
7. Jayant K. Kittur, T. V. Herwadkar, M.B. Parappagoudar, Modeling of Die Casting Using Response Surface Methodology, International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT-2010), held at SIT, **Tumkur**, 18-19 Nov'10
8. Jayant K. Kittur, T. V. Herwadkar, M.B. Parappagoudar, Modeling and Analysis of the Pressure Die Casting Using Response Surface Methodology, International Conference on Modelling, Optimization and Computing (ICMOC 2010), National Institute of Technology, **Durgapur**, India, AIP Conf. Proc. – October 26, 2010 – Volume 1298, pp. 735-741

National Conference:

1. M.B. Parappagoudar, R.P. Bhat, Developing Mathematical Models to Improve Quality Characteristics of Sand Moulds, Proceedings of the National Conference on “World Class Manufacturing” Amrita Institute of Technology, Coimbatore, India, May'02, PP. 199-204
2. B. Surekha, Pandu. R Vundavilli, M.B. Parappagoudar, Fuzzy Logic-Based Modeling of High Speed Finish Milling Process, Proceedings of the National Conference on “AICON'10, The Latest Trends in Mechanical Engineering & Mechatronics Engineering” Chhatrapati Shivaji Institute of Technology, Durg, India, 22nd - 24th Jan'10, pp. 56-65.

Ph. D Guidance:

J.K. Kittur Modeling and analysis of Pressure Die Casting Process using Conventional Regression and Soft Computing-based Approaches, Visvesvaraya Technological University, Belgaum – **(Awarded: 2013)**

Two research scholars have registered (VTU Belgaum).

Professional Activities:

Editor/Reviewer

1. Editorial Board Member: CSVTU Research Journal
2. Reviewer: International Journal of System Assurance Engineering and Management, **Springer Publications**
3. Reviewer: Journal of Manufacturing Processes, **Elsevier Publications**
4. **Reviewer:** Journal of Process Mechanical Engineering, **SAGE Publications**
5. Reviewer: International Journal of Advanced Manufacturing Technology, **Springer Publications**
6. Reviewer: Alexandria Engineering Journal, Elsevier Publications, **Elsevier Publications**
7. Reviewer: Journal of Mechanical Science and Technology, **Springer Publications**
8. Reviewer: Benchmarking: an International Journal, **Emerald Publications**
9. Reviewer: Journal of Control Engineering and Technology, **American V-King Scientific Publishing**
10. Reviewer: International Journal of Research and Innovations in Science and Technology
11. Reviewer: Journal of Institute of Engineers (India) – **Series C, Springer Publications**
12. Reviewer: Journal of Manufacturing Science and Production, **DE GRUYTER Publishers Germany**

A. Advisory/Scientific/Technical Committee Member – International Conferences

1. International Technical Committee Member, Conference on Operations Research Fuzziology (ORF 2015), Shanghai, China, January 29-31, 2015.
2. International Technical Committee Member, Conference on Operations Research Fuzziology (ORF 2016), Bangkok, Thailand, January 14-16, 2016.
3. International Scientific Committee Member, ICMAS 2013, 22nd International Conference on Manufacturing Systems – ICMAS 2013, Nov. 13 & 14, 2014, University Politehnica of Bucharest, Romania.

4. International Technical Committee Member, ICIT 2014 2nd Science One International Conference on Information Technology, Dubai, UAE, January 21-23, 2014.
5. International Scientific Committee Member, ICMAS 2013, 22nd International Conference on Manufacturing Systems – ICMAS 2013, Nov. 14 & 15, 2013, University Politehnica of Bucharest, Romania.
6. Technical Committee Member, ICGITS 2013, International Conference on Global Innovations in Technology and Science, 4,5 & 6 April 2013, SAINTGITS College of Engineering, Kerala, India.
7. National Advisory Committee Member, ICARET 2013, IEEE International Conference on Advanced Research in Engineering and Technology, Feb 8 & 9 2013, KL University, Vaddeswaram, Andhra Pradesh, India.
8. National Advisory Committee Member, ICARET 2012, IEEE International Conference on Advanced Research in Engineering and Technology, Dec 7 & 8, 2012, Vijayawada, Andhra Pradesh, India.

B. Invited Lectures

1. Invited lecture on “Genetic Algorithm – An Optimization Technique” at Osmania University, Hyderabad, A short term Course “Knowledge Based Systems in Engineering” under Tequip –II, 13th June 2013.
2. Invited lecture on Process modeling – Applied to Foundry in the Visvesvaraya Technological University – VGST sponsored Faculty development programme on “Issues and Challenges in Foundry Industry in 21st Century”, Gogte Institute of Technology, Belgaum, Karnataka, 17th - 19th Mar’11
3. Invited Lecture on “Process Modeling and its Role to Improve Productivity in Foundry” in Sourecon 2009, 27th June 2009, organized by The Institute of Indian Foundry men, BFC Belgaum
4. Invited Lecture on “Modeling Tools and Their Applications in Manufacturing” in the ISTE – STTP Course at National Institute of Technology, Karnataka, Surathkal, Karnataka, India, 16th - 21st Jun’08
5. Invited Lecture on Applications of soft computing Tools in Foundry in the DST-sponsored National Seminar on "Applications of Soft Computing in Mechanical Engineering", Siddartha Engineering College, Vijayawada, AP, India, 28-29 Jan’08

C. Awards & Achievements

Biography (distinguished personality) is published in 30th edition of *Marquis Who’s Who in the world 2013*

D. Membership of Professional Bodies

Indian Society of Technical Education (ISTE)
 Institute of Engineers (AMIE)
 Asian Council of Science Editors

E. Abroad Visit

Bucharest, Romania (2012) Polytechnic University of Bucharest