


FACULTY PROFILE

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Designation	: Professor	
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Qualification	: BE, ME, PhD	
Professional Experience		
Teaching experience	: 33 Years	
Industry experience	: 1.5 Years	
Administrative Responsibilities	: Coordinator Post Graduate Studies in Production Technology during 2010 to 2020 Coordinator, Mechanical Engineering Association during 2004 to 2005 Chairman, Gymkhana during 1997 to 2000	
Teaching	:	
No. of Projects Guided		
UG	: 04	
PG	: 18	
Research		
Interest Area	: Production Engineering, Metallurgy(Alloy development and characterization)	
No. of Research Scholars		

Pursuing	:	--
Awarded	:	03
Journals (with citations)	:	<ol style="list-style-type: none"> 1. Study on Microstructure and Mechanical Behavior of Spray Deposited and Hot Pressed Al-Si Alloy, Rudrakshi GB, Dayanand M Goudar, Kurahatti RV, Journal of Material Science and Metallurgy, 1(1), 2019, 1-7. 2. Microstructure and Mechanical Properties of Spray Formed and Hot Pressed Al-Si Alloy, Rudrakshi GB, Dayanand M Goudar, MR Alavandi, SS Khaji, Research and Developments of Material Science SDMS, 11(1), 2019, 1134-1149. 3. Design and Manufacture of Machining Fixture using 3D-Printing Technology, Shubham I Goudar, G B Rudrakshi, International Journal for Science and Advance Research in Technology (IJSART), 5, 6, June 2019, 563-566. ISSN [ONLINE]: 2395-1052. 4. <u>Comparative study on wear behavior of as cast and spray cast hypereutectic Al-Si alloy</u>, DM Goudar, MR Alavandi, SHS Khaji, GB Rudrakshi, VC Srivastava, Journal of the Mechanical Behavior of Materials 27, 2018, 3-4 5. Microstructure and Mechanical Properties of Spray Formed and Hot Pressed/Heat Treated Al-(20-30 wt%) Mg₂Si-2% Cu Alloy, <u>Dayanand M. Goudar, Srivastava VC, Rudrakshi G B</u>, Research & Reviews: Journal of Material Sciences, 6, 2018, 10-22. 6. <u>Effect of atomization parameters on size and morphology of Al-17Si alloy powder produced by free all atomizer</u>, DM Goudar, VC Srivastava, GB Rudrakshi, Engineering Journal 21 (1), 2017,155-168 7. <u>Effect of atomization parameters on size and morphology of Al-17Si alloy powder produced by free fall atomizer</u>, DM Goudar, VC Srivastava, GB Rudrakshi, Engineering Journal 21 (1), 2017, 155-168. 8. <u>Study of Microstructure and Wear Behavior of T6 Heat Treated As Cast Al-25Mg₂Si-2Cu Alloy</u>, DG Sondur, DM Goudar, DG Mallapur, GB Rudrakshi, Materials Science Forum 830, 2015, 358-361 9. <u>Effect of tin on the wear properties of spray formed Al-17Si alloy</u>, DM Goudar, VC Srivastava, GB Rudrakshi, K Raju, SN Ojha, Transactions of the Indian Institute of Metals 68 (1), 2015,3-7. 10. Taguchi analysis of the Thrust force and Delamination in drilling of glass fiber reinforced epoxy/Clay nanocomposites R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi , Amith, Journal of Polymer & Composites of STM, 2, 2, JoPC2014, 14-23. 11. Effect of drilling Parameters in drilling of Glass Fiber Reinforced Vinylester/carbon black nanocomposites, R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi , Sushilendra, International Journal of Scientific & Technology Research

12. [Processing and Charecterisation of Epoxy/Carbon Black Nanocomposites by Twin Screw Extrusion](#), RM Kulkarni, GB Rudrakshi, HN Narasimhamurthy, Asian Journal of Engineering and Applied Technology ISSN2249-068X, 3 (2), 2014, 55-58
13. [Effect of copper and iron on the wear properties of spray formed Al-28Si alloy](#), DM Goudar, K Raju, VC Srivastava, GB Rudrakshi, Materials & Design 51,2013, 383-390
14. [Effect of secondary processing on the microstructure and wear behavior of spray formed Al-30Mg2Si-2Cu alloy](#), DM Goudar, K Raju, VC Srivastava, GB Rudrakshi, Materials & Design 47, 2013,489-496
15. Optimization of drilling parameters for drilling of carbon black / Vinyl ester / Glass composites based on design of experiments. R.M.Kulkarni, G.B.Rudrakshi, H.N.Narasimhamurthy, Journal of International Mechanical Engineering Congress, 2013, 287-290.
16. Parametric study of twin screw extrusion for processing Epoxy/Carbon Black Nano composites using orthogonal array technique. R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi, M.prathap. Journal Of Polymer Composites 2013, 1, 2, 15-24.
17. [Wear Behavior Of Spray Formed Al-20 Mg 2 Si Alloy](#), GJ Reddy, VC Srivastava, GB Rudrakshi, International Journal of Engineering Research & Technology 2, 2, 2013, 1-9.
18. [Effect of secondary processing on the microstructure and wear behavior of spray formed Al-30Mg2Si-2Cu alloy](#), DM Goudar, K Raju, VC Srivastava, GB Rudrakshi, Journal of Materials & Design 47, 2013,489-496.
19. [Microstructural and hardness of spray deposited Al-30Mg2Si-2Cu alloy in solutionized and aged conditions](#), DM Goudar, GB Rudrakshi, GJ Reddy, VC Srivastava, J Wagamode, Materials Science: An Indian Journal, 0974-7486 8 (8), 2012, 303-308.
20. [Microstructures and Mechanical properties of Spray deposited and Heat-treated Al-25Mg2Si-2Cu alloy](#), DM Goudar, GB Rudrakshi, VC Srivastava, Innovative Systems Design and Engineering 2 (6), 2011, 72-85
21. [Spray Deposition Process of Hypereutectic Al-Si alloys: An overview](#), DM Goudar, GB Rudrakshi, VC Srivastava, J Reddy, AG Joshi, International Journal of Scientific and Engineering Research, ISSN 2229-5518, 2(6), 2011
22. [Wear characteristics of spray formed Al-alloys and their composites](#), GB Rudrakshi, V Uhlenwinkel, SN Ojha VC Srivastava, Journal of materials science 44 (9), 2009,2288-2299.
23. [Microstructural development in spray formed Al-3.5Cu-10Si-20Pb alloy and its comparative wear behaviour in different](#)

		<p><u>environmental conditions</u>, GB Rudrakshi, VC Srivastava, SN Ojha, Materials Science and Engineering: A, 457 (1-2), 2007,100-108</p> <p>24. <u>Spray forming and wear characteristics of liquid immiscible alloys</u>, GB Rudrakshi, SN Ojha, Journal of Materials Processing Technology 189 (1-3), 2007, 224-230.</p> <p>1. <u>Spray forming of Al-Si-Pb alloys and their wear characteristics</u>, GB Rudrakshi, VC Srivastava, JP Pathak, SN Ojha, Materials Science and Engineering: A 383 (1), 2004, 30-38.</p> <p>2. <u>PM processing of Al-Al₂O₃ composites and their characterisation</u>, K Soma Raju, VV Bhanu Prasad, GB Rudrakshi, SN Ojha, Powder metallurgy 46 (3), 2003,219-223.</p> <p>3. <u>Spray forming and wear characteristics of Al-Si-Pb alloys</u>. GB Rudrakshi, JP Pathak, SN Ojha, Transactions of the Indian Institute of Metals, 2003.</p> <p>4. <u>Processing characteristics of liquid immiscible alloys based on Al-Pb system</u>, GB Rudrakshi, JP Pathak, SN Ojha, Indian Foundry Journal 48 (6), 2002, 17-29.</p> <p>5. Near-net Shape Processing by Spray Casting, G.B. Rudrakshi, J.P. Pathak, S.N. Ojha Foundry 9, 2002, 39-43.</p>
<p>Conferences</p>	<p>:</p>	<p>1. Dayanand M G, V. C. Srivastava, G. B. Rudrakshi, K. Raju & S. N. Ojha, "Effect of tin on the wear properties of Al-17Si alloy", International Conference on Manufacturing and Materials Engineering (ICMME 2015), 23 & 24 July, 2015, Kottayam, Kerala.</p> <p>2. <u>Dayanand. M. Goudar</u>, D.G.Sondor, D.G.Mallapur, <u>G.B.Rudrakshi</u>, Study of microstructure and wear behaviour of T6 heat treated as -cast Al-25Mg2Si -2Cu alloy, International Conference on Advanced Materials and Manufacturing Processes for Strategic Sectors (ICAMPS 2015), May 13-15, 2015, Trivandrum, India</p> <p>3. RMKulkarni, Dr.HNNarasimhamurthy, Dr.GBRudrakshi, Sushilendra M, Amith, Optimisation of drilling parameters for drilling of carbon black/Vinyl ester/Glass composites based on design of experiments, International Mechanical Engineering congress-2014 at NIT Tiruchirapalli.</p> <p>4. RMKulkarni, Dr.HNNarasimhaMurthy, Dr.GBRudrakshi Effect of drilling parameters for drilling of Glass fiber reinforced Vinyl ester carbon black nano composites. In International conference on Nano technology-2014 at Haldia (Paper No:OP.1100)</p> <p>5. RMKulkarni, Dr.HNNarasimhaMurthy, Dr.GBRudrakshi, Prathap, Parametric study of twin scw extrusion for processing Epoxy/Carbon black, in International Conference of science, Engineering and management-2013 in Dayananda Sagar Institute, Bangalore.</p>

6. RMKulkarni, Sushilendra M, Dr.HNNarasimhamurthy, Dr.GBRudrakshi, Drillability of carbon Black /Vinyl ester/Glass composites based on design of experiments in IUMRS-ICA 2013 at Indian Institute of Science, Bangalore.
7. Dayanand M Goudar, K.Raju, V.C. Srivastava, G.B.Rudrakshi, Wear behavior of secondary processed spray formed Al-28Si-5Cu-4Mg alloy, 5th International Conference on Spray Deposition and Melt Atomization,(SDMA-2013) Bremen(Germany), September 2013. (ISBN 978-3-88722-740-1, A -179)
8. K. Raju, Dayanand M. Goudar, V. C. Srivastava, G. B. Rudrakshi, Wear behavior of secondary processed spray formed Al-28Si-5Cu-4Mg alloy, 5th International Conference on Spray Deposition and Melt Atomization,(SDMA-2013), Bremen (Germany), September 2013. (ISBN 978-3-88722-740-1, A-137)
9. G. B. Rudrakshi, Dayanand M.Goudar, V.C. Srivastava, A comparative study on microstructure and tensile properties of spray formed and as castAl-28Si-5Cu-4Fe and Al-28Si-5Cu-4Mg alloys, World Congress on Engineering 2013 London, U.K., 3-5 July, 2013.(ISBN of Vol III (pp1474-2249): 978-988-19252-9-9)
10. Dayanand M. Goudar, V.C.Srivastava, G.B.Rudrakshi, G.J.Reddy, Jagadish.W Microstructural and Hardness of Spray Deposited Al-30Mg2Si-2Cu Alloy in Solutionized and Aged Conditions, World Congress on Engineering and Technology,(WCET-2011), Sanghai, China, October 28 - November 02, 2011.
11. G. B. Rudrakshi, V. C. Srivastava and S. N. Ojha,A comparative Study of Wear Behavior of Spray Formed Al-3.5Cu-10Si-20Pb Alloy in Air and Vacuum, 3rd International Conference on Spray Deposition and Melt Atomization and Sixth Intern. Con. On Spray forming, Eds. K. Baukhage, Germany (2006).
12. V. B. Math, G. B. Rudrakshi, C. S. Rajshekhar, High speed machining – A potent strategy for future machining, Proceedings of the National conference on Emerging trends in mechanical engineering, Eds: K. Radhakrishna, G. Pundarika and L. Ravikumar (2006) 77-82.
13. P. C. Pawar G. B. Rudrakshi, Design Optimization of Composite Structure for Slithering Boom Proc. National Conference on Recent Advances in Mechanical Engineering, Eds.B. C. Pai (2005) 199-204.
14. G.B. Rudrakshi, V.C. Srivastava, J. P. Pathak and S.N. Ojha Spray forming of Al-Si-Pb Alloys and their wear Characteristics Proc. 5th International Conference on Spray Forming(SDMA 2003/ICSF V), Eds. K.Baukhage and V. Uhlenwinkel, Germany, (2003) 3/9-19.
15. G.B. Rudrakshi, S.Mohan and S.N. Ojha A Comparative Study on Tribology of Some Commercial and Experimental Bearing Alloys. Proc. International Conference on Non Ferrous Metals,Eds. R.N. Prasad, S.N. Ojha and T.R. Mankhand, India, (

		<p>2003) 131/1-7.</p> <p>16. G.B. Rudrakshi, J.P. Pathak, S.N. Ojha Distribution of lead in lead containing Aluminum Alloys by Spray Casting process for bearing materials. Proc. National Conference on Advances in materials and their processing, Eds. S.A. Kori and A.A. Gokhale (2003) 144-152.</p> <p>17. G.B. Rudrakshi, P. Shukla, S.N. Ojha Solidification of under cooled droplets during spray atomization process V.C. Srivastava, Proc. National Conference on Advances in materials and their processing, Eds. S.A. Kori and A.A. Gokhale (2003) 44-52.</p> <p>18. G.B. Rudrakshi, V.C. Srivastava, S.N. Ojha, Spray, Processing of Particulate Reinforced Composites, Proc. Indo-Malaysian Joint Workshop on Advanced Materials, Eds. L. C. Pathak and A. K. Ray, (2002) 160-170.</p> <p>19. G.B. Rudrakshi, J.P. Pathak and S.N. Ojha, Spray Forming of Liquid Immiscible Al-Si-Cu-XPb Based Bearing Materials, Proc. International Conference on Metals and materials for Automobile Industries, Eds..S. P. Gupta India (2002) 129 – 134.</p>
Events Organized	:	Short term training programme on Material development, Manufacturing and Characterisation (MDMC-07), 16-21 April, 2007
Conferences/ Symposiums/ Workshops/ Training Programs Attended	:	<ol style="list-style-type: none"> 1. World Congress on Engineering 2013 London, U.K., 3-5 July, 2013 2. 3rd International Conference on Spray Deposition and Melt Atomization and Sixth Intern. Con. On Spray forming, Eds. K. Baukhage, Germany (2006). 3. National Conference on Advances in materials and their processing, Eds. S.A. Kori and A.A. Gokhale (2003) 4. International Conference on Non Ferrous Metals, Eds. R.N. Prasad, S.N. Ojha and T.R. Mankhand, India, (2003) 5. 5th International Conference on Spray Forming (SDMA 2003/ICSF V), Eds. K. Baukhage and V. Uhlenwinkel, Germany, (2003) 6. Indo-Malaysian Joint Workshop on Advanced Materials, Eds. L. C. Pathak and A. K. Ray, (2002). 7. International Conference on Metals and materials for Automobile Industries, Eds..S. P. Gupta India (2002)