

**B. V. V. Sangha's**  
**Basaveshwar Engineering College (Autonomous), Bagalkot**  
**Department of Mechanical Engineering**

**Research Publications till Date**

**Books:**

1. **B. K. Venkanna, "Basic Thermodynamics", Prentice Hall India, New Delhi**
2. **B. K. Venkanna, "Applied Thermodynamics", Prentice Hall India, New Delhi**
3. **B. K. Venkanna, "Fundamentals of Turbomachines", Prentice Hall India, New Delhi**
4. **B. K. Venkanna, "Fundamentals of Heat and Mass Transfer", Prentice Hall India, New Delhi**
5. **H. M. Kadlimatti, "Condensation Aerosol Generator-A New Way to Aerosol Research". Lambert Academic publishers, Germany, April 2012.**

**Journals (National and International):**

1. **Ajoy K. Ray, S. A. Kori, Pathak, A. N. Sonnad, "Microstructural characterization and mechanical property evaluation o SiC coated graphite – 304 stainless steel brazed joints."** International Journal of Innovative Research in Science, Engineering and Technology, vol. 6, Issue 9, September 2017.
2. **Ajoy K. Ray, Abhijit Kar, S. A. Kori, L.C. Pathak, A. N. Sonnad, "Graphite to 304SS braze joining by active metal brazing technique - Improvement of mechanical properties."** Journal of Materials Engineering and Performance, vol. 22, No.1, 2013, pp. s258-266(9), publisher: Springer Science and Media.
3. **Ajoy K. Ray, S. A. Kori, A. N. Sonnad, "Microstructural Characterization and Mechanical Property Evaluation Of SiC Coated Graphite – Stainless Steel Brazed Joint."** Journal of Materials Research (In press).
4. **Rudrakshi GB, Dayanand M Goudar, Kurahatti RV Study on Microstructure and Mechanical Behavior of Spray Deposited and Hot Pressed Al-Si Alloy, , Journal of Material Science and Metallurgy, 1(1), 2019, 1-7.**
5. **Rudrakshi GB, Dayanand M Goudar, MR Alavandi, SS Khaji, Microstructure and Mechanical Properties of Spray Formed and Hot Pressed Al-Si Alloy, Research and Developments of Material Science SDMS, 11(1), 2019, 1134-1149.**
6. **Goudar, G B Rudrakshi Design and Manufacture of Machining Fixture using 3D-Printing Technology, Shubham I, International Journal for Science and Advance Research in Technology (IJSART), 5, 6, June 2019, 563-566. ISSN [ONLINE]: 2395-1052.**

7. DM Goudar, MR Alavandi, SHS Khaji, GB Rudrakshi, VC Srivastava Comparative study on wear behavior of as cast and spray cast hypereutectic Al-Si alloy, , Journal of the Mechanical Behavior of Materials 27, 2018, 3-4
8. Dayanand M. Goudar, SrivastavaVC, Rudrakshi G B Microstructure and Mechanical Properties of Spray Formed and Hot Pressed/Heat Treated Al-(20-30 wt%) Mg<sub>2</sub>Si-2% Cu Alloy,, Research & Reviews: Journal of Material Sciences, 6, 2018, 10-22.
9. DM Goudar, VC Srivastava, GB RudrakshiEffect of atomization parameters on size and morphology of Al-17Si alloy powder produced by free all atomizer, , Engineering Journal 21 (1), 2017,155-168
10. DM Goudar, VC Srivastava, GB RudrakshiEffect of atomization parameters on size and morphology of Al-17Si alloy powder produced by free fall atomizer, , Engineering Journal 21 (1), 2017, 155-168.
11. DG Sondur, DM Goudar, DG Mallapur, GB RudrakshiStudy of Microstructure and Wear Behavior of T6 Heat Treated As Cast Al-25Mg<sub>2</sub>Si-2Cu Alloy, , Materials Science Forum 830, 2015, 358-361
12. GB Rudrakshi, K Raju, SN OjhaEffect of tin on the wear properties of spray formed Al–17Si alloy, DM Goudar, VC Srivastava, , Transactions of the Indian Institute of Metals 68 (1), 2015,3-7.
13. R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi , Amith, Taguchi analysis of the Thrust force and Delamination in drilling of glass fiber reinforced epoxy/Clay nanocomposites Journal of Polymer & Composites of STM, 2, 2, JoPC2014, 14-23.
14. R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi, Sushilendra Effect of drilling Parameters in drilling of Glass Fiber Reinforced Vinylester/carbon black nanocomposites, , International Journal of Scientific & Technology Research (IJSTR) 3, 7, July 2014, 342-348
15. RM Kulkarni, GB Rudrakshi, HN Narasimhamurthy Processing and Charecterisation of Epoxy/Carbon Black Nanocomposites by Twin Screw Extrusion, Asian Journal of Engineering and Applied Technology ISSN2249-068X, 3 (2), 2014, 55-58
16. DM Goudar, K Raju, VC Srivastava, GB RudrakshiEffect of copper and iron on the wear properties of spray formed Al–28Si alloy, , Materials & Design 51,2013, 383-390

17. DM Goudar, K Raju, VC Srivastava, GB Rudrakshi Effect of secondary processing on the microstructure and wear behavior of spray formed Al-30Mg2Si-2Cu alloy, , Materials & Design 47, 2013,489-496
18. R.M.Kulkarni, G.B.Rudrakshi,H.N.Narasimhamurthy, Optimization of drilling parameters for drilling of carbon black / Vinyl ester / Glass composites based on design of experiments. Journal of International Mechanical Engineering Congress, 2013, 287-290.
19. R.M.Kulkarni, H.N.Narasimhamurthy, G.B.Rudrakshi, M.prathap.Parametric study of twin screw extrusion for processing Epoxy/Carbon Black Nano composites using orthogonal array technique. Journal Of Polymer Composites 2013, 1, 2, 15-24.
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27. GB Rudrakshi, SN Ojha Spray forming and wear characteristics of liquid immiscible alloys, , Journal of Materials Processing Technology 189 (1-3), 2007, 224-230.

28. GB Rudrakshi, VC Srivastava, JP Pathak, SN Ojha, Spray forming of Al–Si–Pb alloys and their wear characteristics, *Materials Science and Engineering: A* 383 (1), 2004, 30-38.
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41. **Gopinath Rathod**“Developing agility system in supply chains”, International Journal of Business and Systems Research Vol. 13 Issue. 2, 2019, pp. 247-258 (Citations 02)
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