



Faculty Profile

Name : Dr. Dayanand M. Goudar
 Designation : Professor
 Qualification : P.hD
 Contact No. : 9448996057
 Email id : dmkgoudartce@gmail.com
 Date of joining the institution : 25/11/1999

Experience :

Industry	Academic
: <input style="width: 40px; height: 20px;" type="text" value="6"/>	: <input style="width: 40px; height: 20px;" type="text" value="24"/>

Area of Research : Material science, Metallurgy- (Spray forming process, Al-Si alloys, Rapid solidification, Metal matrix composites)

Ph.D Guide : Yes/No

No.of.Ph.Ds guided (Awarded) : ----

No.of.Ph.Ds presently guiding : 03

No.of.UG projects guided : 25

No.of. Papers published in Conference :

National	International
: <input style="width: 40px; height: 20px;" type="text" value="01"/>	: <input style="width: 40px; height: 20px;" type="text" value="10"/>

No.of. Papers published in Journals :

National	International
: <input style="width: 40px; height: 20px;" type="text"/>	: <input style="width: 40px; height: 20px;" type="text" value="16"/>

Grants received : No

If Yes

Year of receipt	Agency	Scheme

Membership of professional bodies : Member of the International Association of Engineers (IAENG) Number: 129079.

Additional responsibilities at College level : Dean Academic

Additional responsibilities at Department level : HOD –Department of Mechanical Engineering

Any additional information :

Publication List

International Journals

- [1] **Dayanand M. Goudar**, R.V.Kurahatti, G.B.Rudrakshi Study on Microstructure and Mechanical behavior of spray deposited and hot pressed hypereutectic Al-Si alloy” **Journal of Material Science and Metallurgy (JMSM),Scholarena Journals** (Accepted)
- [2] **Dayanand M. Goudar**, S.S.Khaji, M.R.Alawnadi, G.B.Rudrakshi,“Comparative studies on wear behavior of as cast and spray cast hypereutectic Al- Si alloy” **Journal of Mechanical behavior of Materials(JMBM)-DE-GRUYTER-2018(8)**
- [3] **Dayanand. M. Goudar**, Srivastava VC, Rudrakshi G B “ Microstructure and Mechanical Properties of Spray Formed and Hot Pressed/Heat Treated Al-(20-30 wt%) Mg₂Si-2% Cu Alloy, **Research & Reviews: Journal of Material**. 2018, 6: 211
- [4] **Dayanand M. Goudar**, Srivastava VC, Rudrakshi G B “Effect of atomization process parameters on size and morphology of Al-17Si alloy powder produced by Free fall atomizer” **Engineering Journal (EJ)** Vol. 21, No 1 (2017) 155-167, ISSN 0125-8281 (<http://www.engj.org/>)
- [5] **Dayanand M Goudar**, K.Raju, S.N.Ojha, “Influence of Fe addition on wear behavior of spray formed Al-35Si alloy” **Transactions of the Indian Institute of Metals (Springer)** , **August 2015**, Volume 68, Issue 6, pp 1001 -1005 IF- 1.176
- [6] **Dayanand M. Goudar**, K.Raju, S.N.Ojha “Effect of Tin on the Wear Properties of Spray Formed Al-17Si Alloy “**Transactions of the Indian Institute of Metals (Springer)**, **June 2015**, Volume 68, Issue1 Supplement, pp 3-7 (IF-1.176),
- [7] **Dayanand M. Goudar**, K.Raju, V.C.Srivastava, G.B. Rudrakshi, “Effect of copper and iron on the wear properties of spray formed Al-28Si alloy’, **Journal of Materials and Design, Vol, 51, 2013, pp 383-390. Elsevier**
- [8] **Dayanand M. Goudar**, K.Raju, V.C.Srivastava, G.B. Rudrakshi, “Effect of secondary processing on the microstructure and wear behavior of spray formed Al-30Mg₂Si-2Cu alloy”, **Journal of Materials and Design**, Vol 47, 2013, pp 489- 496. **Elsevier**
- [9] **Dayanand M. Goudar**, D.G.Sondor, D.G.Mallapur, G.B.Rudrakshi, “Study of microstructure and wear behavior of T6 heat treated As -Cast Al-25Mg₂Si -2Cu alloy”, **Material Science forum** Vo830/831(2015) pp358-361 Trans-Tech Publishers,
- [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” **J. Materials Science: An Indian Journal**, Vol 8, 2012 pp 303-308.
- [11] **Dayanand M. Goudar**, V.C.Srivastava, G.B.Rudrakshi, “Microstructures and Mechanical properties of Spray deposited and Heat-treated Al-25Mg₂Si-2Cu alloy”, **IISTE Innovative systems Design and Engineering**, Vol 2(6), 2011

- [12] **Dayanand. M. Goudar**, V.C.Srivastava, G.B.Rudrakshi, G.J.Reddy, Ajit Joshi, “**Spray deposition process of hypereutectic Al-Si alloys: An overview**,” International Journal of Scientific & Engineering Research” (IJSER), Vol 2(6), 2011 (No of citation-7)
- [13] Hiregoudar Yerrennagoudar, **Dayanand M. Goudar**, Mr. M Balaji Ravikumar “**Studies on Wear Behavior of Aluminum 6061Alloy Reinforced with Al₂O₃ & Mica Particulates Hybrid Metal Matrix Composite**” International Journal of Innovative Research in Science, Engineering and Technology Vol.5, Issue 6, June 2016 ISSN (Online): 2319-8753 ISSN (Print) : 2347-6710
- [14] Hiregoudar Yerennagoudar, **Dayanand M Goudar**, M. Balaji, Ravikumar D “Studies on Dry Sliding Wear Behavior of Al-6061 with Silicon Carbide & Graphite Particulate Composite” International Journal of Innovative Research in Science, Engineering and Technology Vol. 5, Issue 10, Oct 2016 ISSN(Online): 2319-8753: ISSN (Print) : 2347-6710,
- [15] **Dayanand. M Goudar**, M.R.Alawandi, S.S.Khaji “Microstructure and Mechanical properties of spray formed & hot pressed Al-35Si alloy” Research and development in material science, Crimson publishers. Vol. 11, Issue 1, June 2019.1-8.
- [16] Annapurna B. Hosalli, Mahesh A. Kori, Shivkumar S. S, **Dayanand. M. Goudar** “Dry sliding wear behavior of As cast Al-30Mg2Si-4Fe alloy”, International Journal of Advances in Production and Mechanical Engineering (IJAPM), Vol-1(4), 2394-6210 .2015.

International conferences presentation/poster presentation/ proceedings

- [1] C.S .Wadageri, **Dayanand M Goudar**,**Virupaxi.Auradi**, **R.V.Kurahatti** “ Effect of two step Austempering on Wear Behavior of Austempered Ductile Iron, International Conference on Functional Materials,Manufacturing and Performance(ICFMMP-2019)- Lovely professional University,Jalndhar,Punjab 12-13,September-2019
- [2] **Dayanand. M Goudar**,M.R.Alawandi, S.S.Khaji “Microstructure and Mechanical properties of spray formed & hot pressed Al-35Si alloy” National Conference on Emerging Trends in Materials, Design and Manufacturing (NCMDM- 2019), JSS Academy, Bangalore May 17-18, 2019
- [3] C.S .Wadageri, **Dayanand M Goudar**,Virupaxi.Auradi, R.V.Kurahatti “ Effect of two step-Austempering on Mechanical Behavior of Austempered Ductile Iron” International Conference on Advanced ceramics and Nano materials for Sustainable Development(AC_END-2018) Sept--19-21-2018, Bangalore
- [4] **Dayanand M Goudar**, K.Raju· S.N.Ojha, “**Investigation on wear behavior of spray formed Al-35Si-4Fe alloy**”, 6th International Conference on Solidification Science and Processing (ICSSP6-2015), Defense Metallurgical Research Laboratory (DMRL) , Hyderabad, India 23-27 Nov 2015.
- [5] **Dayanand M. Goudar**,, 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.

- [6] **Dayanand. M Goudar**, D.G.Sondor, D.G.Mallapur, G.B.Rudrakshi, **Study of microstructure and wear behavior 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.
- [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), Sept 2013. (ISBN 978-3-88722-740-1, A -179) (Citation-01)
- [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), Sept- 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 cast Al-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)
- [9] **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-20011), Oct 28 - Nov 02, 2011, **Sanghai, China**.

National Conferences

2. **Dayanand M. Goudar**, Rudrakshi, G. B, Spray deposition process of hypereutectic Al-Si alloy- Overview”. NCRS, 2007, BEC, Bagalkot.