




P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	<i>Dr. SADASHIVA M</i>	
Designation,	<i>Assistant Professor</i>	
Department & Affiliated Institution	<i>Department of Mechanical Engineering, P.E.S College of Engineering, Mandya – 571 401</i>	
Research Area	<i>Composite Materials, Friction Stir Welding</i>	
Contact Number	<i>+9972212773</i>	
Email ID	<i>sadashiva015@gmail.com</i>	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	<i>JNTU Ananthpur</i>	<i>JNTU</i>	<i>2019</i>	<i>Awarded</i>	
M.E	<i>UVCE Bengaluru</i>	<i>Bengaluru</i>	<i>2011</i>	<i>86.37</i>	<i>Distinction</i>
B.E	<i>Dr.AIT Bengaluru</i>	<i>VTU</i>	<i>2009</i>	<i>58.27</i>	<i>Second Class</i>

Professional Experience

Organization and Department	Designation	Period	Total Experience
<i>MSEC, Bengaluru</i>	<i>Assistant Professor</i>	<i>2011-2012</i>	<i>1 Year</i>
<i>SVIT, Bengaluru</i>	<i>Assistant Professor</i>	<i>2012-2014</i>	<i>2 Years</i>
<i>PESCE, Mandya</i>	<i>Assistant Professor</i>	<i>2014-Till date</i>	<i>7 Years</i>

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	<i>Material science and Metallurgy, Non-Traditional Machining, Non- Destructive Testing, Automotive Engineering, Computer Integrated Manufacturing, CAED and Elements of Mechanical Engineering</i>
--	---

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	--	--	--
Pursuing	--	--	--

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
--	--	--	--

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	<i>00</i>	<i>14</i>
Conferences/Symposia	<i>01</i>	<i>12</i>
Book published(No.)	<i>02(Books)</i>	<i>01(e-Book chapter)</i>

Professional bodies Affliction: MIE (2019), MISTE (2012)

Achievements / Awards : RULA International Award (Best Researcher) -2018

Other Important Responsibilities Held in the College

1. <i>KSCST Student Project coordinator</i>	4. <i>BoE member</i>
2. <i>Industry Institute Interaction (III Cell) coordinator-ME</i>	5. <i>Coordinator for UG Programmer to Autonomous Section</i>
3. <i>Coordinator for Outcome based education (OBE) System -ME</i>	6. <i>Session Chair</i>

LIST OF PUBLICATIONS (Incl Journals and Conference)

International Journals

1. Dr.H.K.Shivanand, B.B.Anilkumar, Sapthagiri.G, **Sadashiva.M**, (2011), "*Deformation Strength and Failure Mode Analysis of Laminated Composites Subjected to Impact Loading*", *AMAE 2011*, DOI: 02.CEMC.2011.01.512, ISBN: 978-1-62993-402-0, pp. 184-188.
2. Keshavamurthy.Y.C, Dr.H.K.Shivanand, **Sadashiva.M**, Sapthagiri.G, (2011), "*Evaluation of Tensile Properties of Epoxy Based E- Glass / Carbon Fiber Laminate Composites*", *AMAE 2011*, DOI: 02.CEMC.2011.01.524, ISBN: 978-1-62993-402-0, pp. 189-193.
3. **Sadashiva.M**, H.K.Shivanand, (2018), "Study on Corrosion Behaviour of Friction Stir Welded AA 6061 Hybrid Metal Matrix Composite Plates", *International Journal of Recent Research Aspects (IJRRA)*, ISSN: 2349-7688, volume 5, Issue 4, Conscientious Computing Technologies, pp. 55-59.
4. **Sadashiva.M**, H.K.Shivanand, (2018), "Investigation on Hardness Properties of Friction Stir welded AA 2024 Hybrid Metal Matrix Composite Plates", *International Journal of Recent Research Aspects (IJRRA)*, ISSN: 2349-7688, volume 5, Issue 4, Conscientious Computing Technologies, pp. 69-75.
5. **Sadashiva.M**, H.K.Shivanand, (2018), "Characteristic Investigation on Impact Strength of Aluminium Based Hybrid Composite Plates Weld by FSW", *International Journal of Engineering and Technology (IJET)*, e- ISSN:2227-524X, doi : 10.14419/ijet.v7i3.12.15891, volume 7 (3.12) pp. 120-127.
6. **Sadashiva.M**, H.K.Shivanand and H.N.Vidyasagar, (2018), "Characteristic Evaluation of Process Parameters of Friction Stir Welding of Aluminium 2024 Hybrid Composites", *Advances in Mechanical Design, Materials and Manufacture, American Institute of Physics (AIP) Conference Proceedings*, Volume 1943, 020054-1–020054-10; ISBN:9780735416383, [https://doi.org/ 10.1063/1.5029630](https://doi.org/10.1063/1.5029630), pp. 020054 (1-10).
7. V.Sharanraj, C.M.Ramesha, V.Kumar, **Sadashiva.M**, (2019), "Finite Element Analysis of Zirconia Ceramic Biomaterials Used in Medical Dental Implants", *SPRINGER-INTERCERAM, International ceramic review*, ISSN: 0020-5214, Volume 68, Issue 3, pp. 24-31.
8. **Sadashiva.M**, Srinivasa.M.R, Sharanraj.V, Santhosh.N, (2019), "Experimental Investigation on Tensile Characteristics of Hybrid Nanocomposites Joints by FSW With Optimized Welding Parameters", *Journal of Nano Science, Nanoengineering & Applications, STM Journals*, ISSN 2231-1777, Vol.9, Issue 2, pp 1-13.

9. Santhosh N, **Sadashiva M**, Srinivasa M R, Manjunath N, (2019) "Comparative Evaluation of Tensile Characteristics of Glass, Carbon fibre and Hybrid Carbon – Glass Fibre Composites", *Journal of Engineering Science and Technology*, Volume 02, Issue 03 pp. 25-35.
10. Srinivasa M.R., Y.S. Rammohan, **Sadashiva M**, Santhosh N, (2020) "Effect of Shock Waves on the Hardness of Graphene Reinforced Aluminium Composites", *Journal of Polymer & Composites*, ISSN: 2321-2810 (Online), ISSN: 2321-8525 (Print) Volume 8, Issue 1, pp. 32-38.
11. Srinivasa M R , Y S Rammohan , Karthik U N , **Sadashiva M**, (2020). "Analysis on wear properties of Graphene Hydroxyl Reinforced Aluminum Composites", *International Journal of Advanced Science and Technology*, Vol. 29, No. 6s, pp. 4162 – 4168.
12. **Sadashiva M** , H K Shivanand , Srinivasa M R , Sharanraj V, (2020). "Evaluation of Toughness Properties of Aluminium based Metal Matrix Hybrid Composites Joined by Solid-State Welding", *TEST Engineering & Management*, ISSN: 0193-4120, pp. 9859 – 9865.
13. Goutham B K, M R Srinivasa, Y S Ram Mohan, **Sadashiva M**, (2020). "Analysis of Shock Waves Treated Aluminium 2024 Reinforced with Graphite", *International Research Journal of Engineering and Technology (IRJET)*, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07, Issue: 08, pp. 2954-2960.
14. Deekshith Samrat S A, M.R. Srinivasa, Dr. Y.S Rammohan, **Sadashiva M**, (2020). "Experimental Analysis of Fatigue Behaviour of Aluminium 2024 Reinforced with Graphite", *International Journal of Advances in Engineering and Management (IJAEM)*, ISSN: 2395-5252, DOI: 10.35629/5252-0205145151, Volume 2, Issue 5, pp. 145-151.

International Conference

1. Dr.H.K.Shivanand, B.B.Anilkumar, Sapthagiri.G and **Sadashiva.M**, "Deformation Strength and Failure Mode Analysis of Laminated Composites Subjected to Impact Loading" Entitled paper presented during the International Joint Colloquiums on Computer Electronics Electrical Mechanical and Civil (CEMC- 2011), Muvatupuzha, Kerala, India, during 20th -21st September, 2011.
2. Keshavamurthy.Y.C, Dr.H.K.Shivanand, **Sadashiva.M** and Sapthagiri.G,"Evaluation of Tensile Properties of Epoxy Based E- Glass / Carbon Fiber Laminate Composites" Entitled paper presented during the International Joint Colloquiums on Computer Electronics Electrical Mechanical and Civil (CEMC- 2011), Muvatupuzha, Kerala, India, during 20th -21st September, 2011.

3. **Sadashiva.M**, H.K.Shivanand and H.N.Vidyasagar, "*Characteristic Evaluation of Process Parameters of Friction Stir Welding of Aluminium 2024 Hybrid Composites*" Entitled paper presented during the "International Conference on Design, Materials & Manufacture -2018" Organized By The Department Of Mechanical Engineering, NITK Surathkal, during 29th to 31st January, 2018.
4. **Sadashiva.M**, H.K.Shivanand, "*Study on Corrosion Behaviour of Friction Stir Welded AA 6061 Hybrid Metal Matrix Composite Plates*", Entitled paper presented during the "International Conference on Innovative Ideas in Engineering and Technology (ICIET-2018)" held at Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC), Ballari, Karnataka on 12th & 13th April, 2018.
5. **Sadashiva.M**, H.K.Shivanand, "*Investigation on hardness properties of friction stir welded AA 2024 hybrid metal matrix composite plates*", Entitled paper presented during the "International Conference On Innovative Ideas In Engineering And Technology (ICIET-2018)" held at Rao Bahadur Y Mahabaleswarappa Engineering College (RYMEC), Ballari, Karnataka on 12th & 13th April, 2018.
6. **Sadashiva.M**, H.K.Shivanand, "*Characteristic Investigation on impact strength of aluminium based hybrid composite plates weld by FSW*" Entitled paper presented during the "Global Conference on Smart Innovations in Engineering Systems and Technology (SIEST) -2018" held at R.L. Jalappa Institute Of Technology, Doddaballapur, Karnataka on 18th-19th May, 2018.
7. Srinivasa.M.R, Rammohan, **Sadashiva.M**, "*Enhancement of hardness of Graphene Reinforced Aluminium Composites with shock waves*", Third International conference on Recent Research Emerging Trends in Materials and Mechanical Engineering (ICRRETMME-2019)", held at REVA University, Bengaluru, 12th -13th July, 2019.
8. Srinivasa M R, Rammohan, **Sadashiva M**, "*Analysis of Mechanical Properties of Graphene Hydroxyl Reinforced Aluminium Composites Treated with Shock Waves*", International conference on Advances in Materials Research (ICAMR-2019), held at RUAS, Bengaluru, 25th -27th July, 2019.
9. **Sadashiva M**, Abhishek J V, "*Characteristic of Evaluation of Tensile Properties of Hybrid Bio Composite with Different Orientation of Fiber*", International conference on Advances in Materials Research (ICAMR-2019), held at RUAS, Bengaluru, 25th -27th July, 2019.
10. **Sadashiva M**, Abhishek J V, Srinivasa M R, Santhosh N "*Characteristic Evaluation of Bending Properties of Hybrid Bio Composites with Different Orientation of Fibers*" International conference on Innovative Engineering Design (ICoIED 2020) at The Institute Of Engineers, Dehradun on 18th - 20th January, 2020.

11. Srinivasa M R , Y S Rammohan , Karthik U N , **Sadashiva M**, “*Analysis on wear properties of graphene hydroxyl reinforced aluminum composites*”, 2nd International conference on advances in mechanical engineering sciences (ICAMES-2k20) at PESCE, Mandya on 28th -29th Feb, 2020.
12. **Sadashiva M**, H K Shivanand , Srinivasa M R , Sharanraj V, “*Evaluation of toughness properties of aluminium based metal matrix hybrid composites joined by solid- state welding*”, 2nd International conference on advances in mechanical engineering sciences (ICAMES-2k20) at PESCE, Mandya on 28th -29th Feb, 2020.

National Conference

1. **Sadashiva.M**, H.K.Shivanand, "*Comparative study on hardness behavior of AA6061 and AA6061 metal matrix hybrid composite with friction stir welding* " Entitled paper presented during the "National Conference on Materials, Mechanics, Manufacturing and Industrial Engineering - PRATIBIMB 2018 " held at Department of Industrial and Production Engineering, The National Institute Of Engineering, Mysore, Karnataka on 27th-28th April, 2018.

e-Book chapter

1. **M. Sadashiva**, M. R. Srinivasa, N. Santhosh, G. Ravichandran, and V. Sharanraj, “*Study on fretting wear characteristics of aluminum-based metal matrix hybrid composites fabricated by friction stir welding technique*”, Materials Physics and Chemistry, **Apple Academic Press, Taylor And Franics Group**, ISBN e book : 9780367816094, ISBN hard copy : 978-1-77188-867-7,(Cost: \$ 159.95 US), page no:245-264, 2020

Book published

1. **Dr. Sadashiva M**, Dr. Santhosh N, Dr. Madhusudhan M, **Automobile Engineering**, Prakash A, Subhas stores Bengaluru, ISBN: 978-93-89164-00-8(Cost: Rs.300), 2020.
2. **Dr. Sadashiva M**, Dr. Santhosh N, Ramesha K, **Additive Manufacturing**, Prakash A, Subhas stores, Bengaluru, ISBN: 978-93-89164-02-2 (Cost: Rs.300), 2020.