

Faculty Vitae

Name of the Faculty					
Dr.P.Sengottuvel.					
Education					
	Degree	Discipline	Institution	Year	
UG	B.E	Mechanical	St.Peters Engg College	1998	
PG	M.E	Manufacturing	Annamalai University	1999	
PhD	Ph.D	Mechanical	Hindustan University	2013	
Academic experience					
	Institution	Title	From	To	FT/PT
	Bharath University, Chennai-600073	Professor & HOD	August 2013	Till date	FT
	Hindustan University, Chennai-603110	Associate Professor	June 2010	April 2013	FT
	AMET University, Chennai-603112	Assistant Professor	January 2010	June 2010	FT
	Mohammed Sathak A.J College of Engineering, Chennai-603103	Assistant Professor	July 2008	January 2010	FT
	Panimalar Engineering College, Chennai-602103	Senior Lecturer	June 2004	July 2008	FT
	St.Peter's Engineering College, Chennai-600054	Lecturer	August 2001	June 2004	FT
	EVP Engineering College, Chennai-602103	Lecturer	July 1999	August 2001	FT
Certifications or professional registrations					
Membership in professional organizations					
<ul style="list-style-type: none"> • Fellow Member – IE – Institution of Engineers, INDIA • Life Member – ISTE – Indian Society of Technical Education, INDIA • SAE Professional Member 					
Honors and awards					

- ✚ Received Best Result Award – 4 times in Panimalar Engineering College, Chennai.
- ✚ Produced 100% result in Engineering Graphics at Mohammed Sathak A.J.Engineering College, Chennai.
- ✚ Review member for Journal Title: Advances in Robotics & Automation (ISSN: 2168-9695), OMIS Publishing Group journal (USA).
- ✚ Session Chair for International Conference on Modeling, Optimization & Computing (ICMOC 2014) conducted by Noorul Islam University, Nagercoil,
- ✚ Review member for Journal Title: Applied Mechanics & Materials (ISSN: 1660-9336), TransTech Publishing Group journal (UK).

Service activities (within and outside of the institution)

List of Publications

1. P.Sengottuvel., The Stern Tube oil pollution in Ocean and Use of Composite material to reduce it- A Review. International Journal of Advance Research in Science and Engineering(IJARSE), (ISSN No: 2319-8354), 2017, 06.
2. Padmini.P, Shanmuganathan.B, Senthamilperarasu.S and Sengottuvel.P., An Investigation of the Influences of EDM parameters and Tool Geometries for Monel 400 Material with Copper Electrode. International Journal of Applied Engineering Research (IJAER), Research India Publications, India,(ISSN:0973-4562),10(13), 10961-10969,2015, Annexure-2, Impact Factor=0.13.
3. Shanmuganathan.B,Padmini.P and Sengottuvel.P., Effects Of Electrical Process Parameters And Electrode Tool Geometries In EDM Of Monel 404 Material Using Nickel Silicon Chromium Copper Electrode. International Journal of Applied Engineering Research (IJAER), Research India Publications, India,(ISSN:0973-4562),10(13), 10971-10975,2015, Annexure-2, Impact Factor=0.13.
4. NRR.Anbusagar, K.Palanikumar, R.Manokaran and P.Sengottuvel., Flexural and impact properties of 2D and 3D Jute/GF/epoxy hybrid composite materials. International *Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336), 766-767,178-182, 2015. Annexure-2,Impact Factor=0.137.
5. NRR.Anbusagar, K.Palanikumar, R.Vigneswaran, M.Rajmohan and P.Sengottuvel. Tensile and Flexural properties of glass fibre reinforced nano polymer composite panels. International *Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336), 766-767,372-376, 2015. Annexure-2, Impact Factor=0.137.

6. P.Karunakaran,J.Arun,V.Palanisamy,NRR.Anbusagar and Sengottuvel.P., Performance and Analysis of Silicon Mixed Kerosene Servotherm in EDM of Monel 400, *International Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336), 766-767,674-680, 2015. Annexure-2, Impact Factor=0.137.
7. Sengottuvel.P, V.Palanisamy,J,Arun ,NRR.Anbusagar and J.HameedHussain., EDM Process Parameters Optimization Using Taguchi Method, *International Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336), 766-767,867-872, 2015. Annexure-2, Impact Factor=0.137.
8. Dhanasekar.J, Sengottuvel.P,Vijaya.V.G and Vinoth Kumar., Design And Fabrication Of Autonomous Underwater Vehicle Using Variable Buoyancy System, *International Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336) 2015, Accepted. Annexure-2.
9. Senthamilperarasu,Padmini.P,Shanmuganathan,NRR.Anbusagr and Sengottuvel.P., Effects Of Electrical Process Parameters And Electrode Tool Geometries In EDM Of Inconel825 Material Using Zirconium Copper Electrode, *International Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336),766-767,668-673, 2015. Annexure-2, Impact Factor=0.137.
10. Padmini.P, Senthamilperarasu, P,Shanmuganathan,NRR.Anbusagr and Sengottuvel.P., An Investigation Of The Influences Of EDM Parameters And Tool Geometries On Radial Overcut For Monel 400 Material With Tungsten Copper Electrode, *International Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336), 766-767,908-913,2015, Annexure-2, Impact Factor=0.137.
11. Muthuraman.V,Ramakrishnan.R, Karthik.K , Latheesh Kumar and Sengottuvel.P,ANN Modelling of Wire-electro discharge machined WC-Co Metal Matrix Composite, *International Journal of Applied Engineering Research(IJAER)*, Research India Publications, India,(ISSN: 0973-4562),10(8),6354-6362,2015. Annexure-2, Impact Factor=0.13.
12. Elango.P and Sengottuvel.P., An Experimental Study of Welding for Stellite6 Overlay on Inconel825 using PTAW Process,*International Journal of Advanced Scientific Research & Development(IJASRD)*, ISSN:2394-8906, 2(01),168-176,2015,Aneexure-2,Impact factor=2.87.
13. P.Sengottuvel and P.Vijayabalan, Performance and Emission of an LPG Diesel Fuel Engine with Dual Fuel Engine with Glow Plug. *Journal of Advances in Mechanical Engineering and Technology*, Chrome Publication, India, 1(1), 1-7, 2015.
14. P.Karunakaran, C.Jegadeesan, C.Rangasami, and Sengottuvel, P., Sugar Industry Fly Ash: An Additive for molding sand to make aluminum castings. *Russian Journal of Non-Ferrous metals*, Allerton Press, Inc, Newyork, (ISSN: 1067-8212), 55(3), 247-253, 2014. Annexure-1/ Springer, Impact Factor=0.121.
15. P.Karunakaran, Sengottuvel.P, and J.Arun. Casting Simulation of Iron Castings for Improved Productivity of Foundries. *International Journal of Applied Engineering*

Research(IJER), Research India Publications (RIP), India, (ISSN: 0973-4562), 2014, 9/26,8798-8802, Annexure-2,Impact Factor=0.13.

16. Muthuraman.V, Ramakrishnan.R, Sengottuvel.P, and J.Arun. Grey Relational Analysis of WEDM Parameters on Machining WC-Co. Journal of Mechanical Engineering, Institut Pengurusan Penyelidikan (RMI), Universiti Teknologi MARA, Malaysia, (ISSN: 18235514) Accepted. Annexure-2.
17. NRR.Anbusagar, Prabnivas.C, Nagaraj.M, and Sengottuvel.P. Dynamic Analysis of Nanoclay Infused Polyester Resin GFR-Jute Hybrid Sandwich Laminates. International Journal of Applied Engineering Research (IJER), Research India Publications (RIP), India, (ISSN: 0973-4562), 2014, 9/26, 8948-8951, Annexure-2, Impact Factor=0.13.
18. NRR.Anbusagar, Vijayabasakar, Sengottuvel.P and G, Nagaraj.M. Experimental and Numerical Simulation Studies on the Nano Modified Polyester GFRP Composite Beams. International Journal of Applied Engineering Research (IJER), Research India Publications (RIP), India, (ISSN: 0973-4562), 2014, 9/26, 8905-8907, Annexure-2, Impact Factor=0.13.
19. Muthuraman.V, Ramakrishnan.R, Sengottuvel.P, and Karthikeyan.C. Experimental Study and Optimization of Wire-electrical discharge machined WC-15%Co Metal Matrix composites. Journal of Advanced Material Research, Trans Tech Publication, Switzerland, (ISSN: 1022-6680), 2014, 984-985, 227-232. Annexure-2, Impact Factor=0.14.
20. P.Karunakaran, C.Jegadeesan, C.Rangasami, and Sengottuvel, P., Properties of Silica Sand-Based Castings Prepared with different Proportions of Steel Industry Fly Ash. International Review of Mechanical Engineering (I.R.E.M.E), *Praise Worthy prize Publication (UK)*, (ISSN: 1970-8734) 2013, 7/6, 1207-1212. Annexure-2, Impact Factor=0.24.
21. Sengottuvel, P., Satishkumar, S. and Dinakaran, D., Optimization of Multiple Characteristics Of EDM Parameters Based on Desirability Approach And Fuzzy Modeling. Journal of Procedia Engineering (*Elsevier Publication*), (ISSN: 1877-7058) 2013, 64, 1069-1078. Annexure-2, Impact Factor=0.22. (Citation: 23).
22. Sengottuvel, P., Satishkumar, S. and Dinakaran, D., Multi Objective Optimization of Process Parameters During Electrical Discharge Machining of Inconel 718 Using Desirability Approach. International *Journal of Applied Mechanics and Materials*, Transtech Publisher, USA, (ISSN: 1660-9336) 2012, 159, 176-180. Annexure-2, Impact Factor=0.137. (Citation: 1).
23. Sengottuvel, P., Satishkumar, S. and Dinakaran, D., Multi Objective Optimization Technique for EDM of Inconel 718 Alloy. Manuscript No: CIIT-IJ-2553, *Journal of Artificial Intelligent systems and machine learning*, (ISSN 0974 – 9667 & Online: ISSN 0974 – 9543), 2011, 3, 853-858, Impact Factor=0.763. (Citation: 1).
24. Sengottuvel, P., Satishkumar, S. and Dinakaran, D., Optimization of Electrical Discharge Machining Parameters for Inconel 718 Using Grey Relational Analysis. SME ID no:

JME111119, *Journal of Manufacturing Engineering*, (ISSN No.0973-6867), 2011, 6, 255-259.

25. Viswanathan.K, J.Arun and Sengottuvel, P., Review of Electrical Discharge Machining Process. A Journal of Hindustan Institute of Technology & Science, (ISSN No.0975-8445), 2013, 6, 83-87.

18). List of Publications in Conferences:

1. P.Sengottuvel., Design of Bio Potential Data Acquisition System for the Physically Challenged. International Conference on Innovative Research in Engineering and Science(IRES 2017), Foundation Of Innovative Research At Asian Institute Of Technology Conference Center, Pathum Thani, Thailand,16th to 17th June 2017.
2. P.Sengottuvel., The Stern Tube oil pollution in Ocean and Use of Composite material to reduce it- A Review. 7th International Conference on Recent Trends in Engineering , science and Management(ICRTESSM-17), Genba Sopanrao Moze College of Engineering , Balewadi-Baner, Pune, India, 1st and 2nd April 2017.
3. Jagadale K.M., P. Sengottuvel., Review On The Propeller Shaft Composite Bearings Used To Reduce The Stern Tube Oil Pollution In Ocean, National Conference On Advances In Materials And Manufacturing Techniques - NCAMMT 2017, SRM University, Vadapalani Campus, Chennai, Tamilnadu, 24th To 25th March 2017.
4. P.Karunakaran, C.Jegadeesan, T.Sekar and Sengottuvel.P, Experimental study of mould using waste vegetable oils with silica sand. National Conference on Advances and Challenges in Mechanical Engineering [ACME 2014], Erode Sengunthar Engineering College, Perundurai, Tamilnadu. May 10th 2014.
5. P.Karunakaran, C.Jegadeesan, Sengottuvel.P and T.Sekar. Properties of sand mould casting process using sugar industry fly ash and urea formaldehyde. National Conference on Advances and Challenges in Mechanical Engineering [ACME 2014], Erode Sengunthar Engineering College, Perundurai, Tamilnadu. May 10th 2014.
6. Sengottuvel.P and Arun.J. Machining characteristics analysis on EDM for Inconel 718 Material, National Conference on Advances and Challenges in Mechanical Engineering [ACME 2014], Erode Sengunthar Engineering College, Perundurai, Tamilnadu. May 10th 2014.
7. Gopinath.R, Nakkeran.S, P.Sengottuvel. Effect of Bio-Diesel (Cashew Nut Shell Liquid-Diesel) on Diesel Engine Performance and Exhaust Emission .National Conference on Advances and Challenges in Mechanical Engineering [ACME 2014], Erode Sengunthar Engineering College, Perundurai, Tamilnadu. May 10th 2014.
8. P.Karunakaran, C.Jegadeesan, Sengottuvel.P, J.HameedHussain, S.Manavalan, J.Arun. Review Properties of Moulding sand with Different Binders. ICCIAMMR 2014, Vel's

	University, Chennai- 600 117, Tamilnadu, May 2 nd and 3 rd , 2014.
9.	P.Karunakaran, Sengottuvel.P, and J.Arun. Casting Simulation of Iron Castings for Improved Productivity of Foundries. ICMOC 2014, Noorul Islam University, Kumarakoil, Kanyakumari, Tamilnadu, April 10 th and 11 th 2014.
10.	Muthuraman.V, Ramakrishnan.R, Sengottuvel.P, and J.Arun. Grey Relational Analysis of WEDM Parameters on Machining WC-Co. ICMOC 2014, Noorul Islam University, Kumarakoil, Kanyakumari, Tamilnadu, April 10 th and 11 th 2014.
11.	NRR.Anbusagar, <u>Madasamy@Prabnivas.C</u> , Nagaraj.M, and Sengottuvel.P. Dynamic Analysis of Nanoclay Infused Polyester Resin GFR-Jute Hybrid Sandwich Laminates. ICMOC 2014, Noorul Islam University, Kumarakoil, Kanyakumari, Tamilnadu, April 10 th and 11 th 2014.
12.	NRR.Anbusagar, Vijayabasakar.G, Nagaraj.M, and Sengottuvel.P. Experimental and Numerical Simulation Studies on the Nano Modified Polyester GFRP Composite Beams. ICMOC 2014, Noorul Islam University, Kumarakoil, Kanyakumari, Tamilnadu, April 10 th and 11 th 2014.
13.	Sengottuvel, P., Agile Manufacturing through Integration of CAD/CAM & RPT. National Conference on Green Trends in Green Energy and Green Structures (NCRTGEGS), SMK Fomra Institute of Technology, Chennai, February 22 nd to 23 rd 2013.
14.	Sengottuvel, P., Satishkumar, S., Dinakaran, D. and Sathya, P., Multi Objective Optimization For Electrical Discharge Machining of Inconel 718 Using Desirability Approach. ICAMP 2011, RMK Engineering College, Chennai, 19 th December to 20 th December 2011.
15.	Sengottuvel, P., and Satishkumar, S., Process Parameter Optimization for Electrical Discharge Machining of Inconel 718 Using Desirability Approach. ARIME 2011, Eswari Engineering College, Chennai, 9 th September 2011.
Recent professional development activities	