

FACULTY PROFILE

Name : A.Thangarasu
 Designation : Assistant Professor (SG)
 Email ID : athangarasu@gmail.com
 Area of Specialization : Composite Materials, Friction Stir
 Welding and Processing



Total Experience : Academic : 17 Years
 Industry : Nil

Educational Qualification:

Degree	Branch / Specialization	College	University
PhD (Thesis Submitted)	Mechanical Engineering	CIT, Coimbatore	Anna University Chennai
M.E.,	Production Engineering	PSG College of Technology, Coimbatore	Anna University Chennai
B.E.,	Mechanical Engineering	Institute of Road and Transport Technology, Erode	Bharathiar University

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology, Coimbatore	Assistant Professor (Selection Grade)	1.10.2014	Till Date	1 Year & 4 Months
2	Sri Ramakrishna Institute of Technology, Coimbatore	Assistant Professor (Senior Grade)	01.4.2011	31.09.14	3 Years & 5 Months
3	Sri Ramakrishna Institute of Technology	Assistant	01.08.2010	31.3.2011	7 Months

	Coimbatore	Professor			
4	Sri Ramakrishna Institute of Technology, Coimbatore	Lecturer	09.6.2008	31.7.2010	2 Years & 1 Month
5	Karpagam Polytechnic College, Coimbatore-21	Lecturer	17.6.2004	30.6.2008	4 Years
6	Andavar Polytechnic College, Gobi	Lecturer	01.6.2000	25.5.2004	1 Year & 7 Months
7	Kadhar Mohideen Institute of Technology, Erode	Lecturer	02.10.1998	28.5.2000	3 Years & 11 Months
Total (as on Feb 2016)					17 Years

Publications :

Journals :

1. **A Thangarasu**, N Murugan, I Dinaharan, “Production and Wear Characterization of AA6082 –TiC Surface composites using Friction Stir Processing” Procedia Engineering 97 (2014) 590 – 597
2. **A Thangarasu**, N Murugan, I Dinaharan, S.J.Vijay “Effect of Tool Rotational Speed on Microstructure and Microhardness of AA6082/TiC Surface Composites using Friction Stir Processing” Applied Mechanics and Materials, 2014 (592-594) 234-239 (Annexure – II, Trans Tech Publications).
3. **A Thangarasu**, N Murugan, I Dinaharan, S.J.Vijay “Synthesis and characterization of titanium carbide particulate reinforced AA6082 aluminum alloy composites via friction stir processing” Archives of Civil and Mechanical Engineering, - Article in Press ,Manuscript Number: ACME-D-14-00136 R2 (Annexure- I, Elsevier, IF: 1.331)
4. **A.Thangarasu**,N.Murugan, I.Dinaharan S.J.Vijay ‘Influence of Traverse speed on Microstructure and Mechanical Properties of AA6082-TiC Surface Composite

- Fabricated by Friction Stir Processing' *Procedia Material Science*, 2014 5 2115- 212.
(Elsevier, IF: 0.2)
5. **Arumugam Thangarasu**, Natarajan Murugan, Ramasamy Mohankumar, Perumalsamy Thangapandi, 'Processing and Characterization of AA 6082/TiC composites by stir casting' *International Journal of Emerging Materials Research*, 2014 vol.3 pp 123-129.
 6. **A.Thangarasu.**, N.Murugan., I.Dinaharan., S.J.Vijay., 'Microstructure and microhardness of AA1050/TiC surface composite fabricated using friction stir processing', *Sadhana*, Revised, Manuscript Number: SADH-D-12-00088. (Annexure – I, Springer, IF: 0.2)
 7. **A Thangarasu**, N Murugan, "Effect of ceramic particles on microstructure and mechanical properties of aluminium surface composites fabricated using friction stir processing" *Applied Mechanics and Materials*, 2015 vol. 830-831, pp 440-443. (Annexure – II, Trans Tech Publications).

International Conferences:

1. **1. A Thangarasu**, N Murugan, "Production and Wear Characterization of AA6082 – TiC Surface composites using Friction Stir Processing" *Proceedings of International Conference on 12th Global Congress on Manufacturing and Management (GCMM-2014)*, VIT University, Vellore, Tamilnadu.
2. **A Thangarasu**, N Murugan, Dry Sliding Wear behaviour of AA6082/TiC Surface Composites fabricated using Friction Stir Processing" *Proceedings of International Conference on Advances in Design & Manufacturing - 2014*, National Institute of Technology Tiruchy, Tamilnadu.
3. A.Thangarasu, N.Murugan, I.Dinaharan S.J.Vijay (2014) 'Influence of Traverse speed on Microstructure and Mechanical Properties of AA6082-TiC Surface Composite Fabricated by Friction Stir Processing' *Proceedings of International Conference on*

Advances in Manufacturing and Materials Engineering, National Institute of Technology Karnataka ,Surathkal.

4. A.Thangarasu, N.Murugan., S.J.Vijay., I.Dinaharan. (2011), ‘Fabrication of AA1050/10wt.% TiC Surface Composite using Friction Stir Processing’, Proceedings of International Conference on Advanced Materials, PSG College of Technology, Coimbatore, pp. 277-281.
5. N.Murugan., I.Dinaharan., **A.Thangarasu** ., R.Sathiskumar ., C.Maxwell Rejil ., G.Ashok Kumar ., (2012),‘Fabrication and characterization of surface composite using friction stir processing’, Proceedings of International Symposium on Joining of Materials, Trichy, pp. ICA121:1-8.
6. **A.Thangarasu.**, (2009) ‘Study of Gas-Assisted Friction Stir Welding’, Proceedings of the International Conference on “Recent Advances in Material Processing Technology”, National Engineering College Kovilpatti, pp.799 - 805.

National Conferences:

1. **1. A.Thangarasu**, (2008) ‘Optimization of Friction Stir Welding’, Proceedings of National Conference on "Major Trends in Mechanical Engineering, IFET College of Engineering, Villupuram, p 1 to 5.
2. **A.Thangarasu**, (2008) ‘Recent Developments in Joining of Aluminum Alloys’, Proceedings of National Conference on ‘Nano Materials’ , Karunya University Coimbatore-114, p 66-77.

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern./ National)
1	Organized one day National Conference on ‘Intelligent Automation in Manufacturing and Automotive Technologies’ on 15 March 2013 at Sri Ramakrishna Institute of Technology, Coimbatore-10.	One day	National
	Organized one day Workshop on ‘Non-Conventional Energy Sources’ on 01 March 2013 at Sri Ramakrishna Institute of Technology, Coimbatore-10.	One day	National

Seminar, Conference, Workshop Attended:

1. Participated one week TEQIP – sponsored Faculty Development Programme on **‘Advanced Welding Engineering and Technology’** during 2nd - 8th June, 2014 at Coimbatore Institute of Technology Coimbatore-14.
2. Participated AICTE Sponsored Faculty Development Programme on **‘Advanced Control Strategies and Applications’** during 13th - 26th May 2013 at Sri Ramakrishna Institute of Technology, Coimbatore-10.
3. Participated one week AICTE – sponsored Faculty Development programme on **‘Advanced Welding Technology’** during 1st - 5th December, 2014 at Coimbatore Institute of Technology Coimbatore-14.
4. Participated one week Faculty development programme on **‘Design of Transmission system’** from 20-28th December 2010, sponsored by **Anna University of Technology, Coimbatore** at Sri Ramakrishna Institute of Technology, Coimbatore-10.

5. Participated two days post Faculty development programme on '**Mission 10X**' from 2nd & 3rd January 2009, conducted by **WIPRO Technologies** at Coimbatore Institute of Engineering and Information Technology, Coimbatore.
6. Participated one week Faculty development programme on '**Mission 10X**' from 11th to 15th December 2008, conducted by **WIPRO Technologies** at Coimbatore Institute of Engineering and Information Technology, Coimbatore.
7. Participated one day workshop on '**NRB Research Dissemination Workshop on Titanium Matrix Composites**' on 30 August 2013 at IIT Madras, Chennai.
8. Participated Two day ISTE workshop on '**Aakash for Education**' conducted by IIT Bombay on 10th & 11th November 2012 at Sri Ramakrishna Institute of Technology Coimbatore-10.
9. Participated Two day workshop on '**Technical writing for Research Scholars in Engineering and the Sciences**' on 25th & 26th May 2013 at National Institute of Technology, Trichy.
10. Participated Two week ISTE workshop on '**Engineering Mechanics**' conducted by IIT Bombay from 26th November to 6th December 2013 at Sri Ramakrishna Institute of Technology Coimbatore-10.
11. Participated AICTE Sponsored Faculty Development Programme on '**Advanced Control Strategies and Applications**' from 24th - 25th April 2009 at Sri Ramakrishna Institute of Technology, Coimbatore-10.
12. Participated Two week ISTE workshop on '**Engineering Thermodynamics**' conducted by IIT Bombay from 11th to 21st December 2012 at Sri Ramakrishna Institute of Technology Coimbatore-10.
13. Participated Two day '**NPTEL**' workshop on 5th & 6th April 2011 at Indian Institute of Technology Madras.
14. Attended one day workshop on '**Need Based Approach for Effective Teaching**' on 21st Jun 2011 at Sri Ramakrishna Institute of Technology, Coimbatore-10.

15. Participated one day workshop on **‘Industrial Automation’** on 14th October 2010 at Sri Ramakrishna Institute of Technology, Coimbatore-10.
16. Participated two day workshop on **‘Quantitative Techniques for Research’** from 15th - 16th December 2008 at Kongu Engineering College, Erode-52.
17. Participated two day International Conference on **‘Cutting, Welding and Surfacing’** on 22nd & 23rd January 2011 at CODISSIA, Coimbatore-14.
18. Attended one day National Seminar on **‘Current Trends in Welding Technology’** on 8th March 2008 at Karpagam College of Engineering, Coimbatore-32
19. Attended two day State level in –House training programme on **‘Managing the issues of students’** on 27th & 28th July 2007 at Karpagam Polytechnic College, Coimbatore-21
20. Participated one day National Conference on **‘Intelligent Automation in Manufacturing and Automotive Technologies’** on March 2013 at Sri Ramakrishna Institute of Technology, Coimbatore-10.
21. Participated two day National Conference on **‘Innovative practices for sustainable energy and waste management’** on 24th & 25th April 2009 at Sri Ramakrishna Institute of Technology, Coimbatore-10.

Membership in Professional Bodies:

1. Life member in IWS Membership No. L 01095
2. Life member in ISTE Membership No. LM 75239

Contributions to the Institution, Department and Society:

Institution

- ✘ **Academic Audit Committee member**
- ✘ **Library Advisory committee member**
- ✘ **Anti Ragging Squad member**
- ✘ **Annual day, Graduation day & Sports day function organizing committee member (2011,2012,2013 and 2014)**
- ✘ **Worked as library stock verification committee member (2012 and 2014)**

- ✘ Worked as Physics lab and Chemistry lab stock verification committee member (2012 and 2014)

Department

- ✘ Faculty Advisor for Mechanical Engineering Association
- ✘ Senior Tutor - 2007-2011 batch
- ✘ NBA - Self Assessment Report (SAR), Part-B, Criterion – I preparation work
- ✘ Academic Advisory Committee Member
- ✘ Placement Coordinator (2007-2011 batch)
- ✘ Metrology Lab in- charge
- ✘ Course Coordinator - Engineering Graphics & Engineering Mechanics