

Dr.S.Sathish, M.E., Ph.D.



Sathishamg88@gmail.com

Mechanical Engineering
Associate Professor
Hindustan University
Padur, OMR, Chennai...
Mobile: +91 -9894447732

Objective

I want to be a part of world class team working in innovative and technically challenging application which can have profound on people/business.

Experience @ Educational Institutes

July 2017 June – Till Date	Associate Professor in Dept. of Mechanical Engineering	Hindustan University, Padur, Chennai.
June 2016 – May 2017	Assistant Professor and Head, Dept. of Automobile Engineering	Vels University, Pallavaram, Chennai.
Dec 2015 – 2016 May	Assistant Professor in Dept. of Mechanical Engineering	K.K.C Engineering Collège, Jayamkondam.

Student @ Educational Institutes

2012 – 2016	Ph.D in Mechanical Engineering	Annamalai University	Awarded
2010 – 2012	Master of Engineering in Thermal Engineering	Annamalai University	8.46%
2006 – 2010	Bachelor of Engineering in Mechanical Engineering	Annamalai University	7.36%

Memberships @ Professional Bodies and Journal Reviewer

- ✓ International Association of Engineers (IAENG)
- ✓ Reviewer of International Journal of Environmental Sciences & Natural Resources
- ✓ Reviewer of Sciencepublisinggroup
- ✓ Editorial member of review of Energy Technologies and Policy Research

Area of Specialization

- Biomass and Bio Energy Technology
- Alternative Fuels
- Thermal Engineering

M.Tech Project : Performance and Analysis of Box Type Solar Cooker Using Ansys

Ph.D Title : Experimental Investigation and optimization of Process Parameters in Biogas Generation

Known Languages

English : Read, Write, Speak

Tamil (Mother Tongue) : Read, Write, Speak

Publications – International Journals

1. S.Sathish, M.Chandrasekaran, Parthiban, A., Effect of Co-digestion Agricultural –Industrial residues: Various slurry temperatures. **Taylor and Francis**, International journal of Ambient Energy - 2017 April 20, pp – 1-6 (**Scopus Index**).
2. S.Sathish, S.Vivekanandan. "Parametric optimization for floating drum Anaerobic Bio-digester using response surface methodology (RSM) and artificial neural network (ANN)". **Elsevier**, Alexandria Engineering Journal 2016, Vol 55, pp.3297-3307 (**Scopus Index**).
3. Sathish, S., Parthiban, A., Venugopal, S., & Prakash, V. J. (2017, March). Performance and Analysis of Floating dome Anaerobic Digester with Wet and Dry Feedstock. In **IOP Conference Series: Materials Science and Engineering** (Vol. 183, No. 1, p. 012033). IOP Publishing (**Scopus Index**).
4. Parthiban, A., Sathish, S., Chandrasekaran, M., & Ravikumar, R. (2017, March). Optimization of CO2 laser cutting parameters on Austenitic type Stainless steel sheet. In **IOP Conference Series: Materials Science and Engineering** (Vol. 183, No. 1, p. 012022). IOP Publishing (**Scopus Index**).
5. Vivekanandan, S., and S. Sathish. "To study the effect of temperature using pretreated rice straw to generate biogas." **American Journal of Engineering Research** 2015, Vol 4, Issue 9, Page 40-46.
6. S.Sathish and M.Ramarao, M.Senthil kumar. "[Biogas production from whet straw to Generate Renewable Energy using RSM](#)".**International Journal of Applied Engineering Research** 2015, Vol: 10:11; pp.10109-10108(Special issue).

7. S.Sathish and S.Vivekanandan. "[The Effect of Biogas Generation from Anaerobic Co-Digestion Process Using Agro and Animal Wastes](#)". **International Journal of Applied Environmental Science** 2015, Vol: 10:2; pp.631-636.
8. S.Sathish and S.Vivekanandan. "Experimental Investigation of on Biogas production using industrial waste (press mud) to generate Renewable Energy". **International Journal of Innovative Research in Science, Engineering and Technology** 2015, Vol: 4:2; pp.388-393.
9. S.Sathish and K.Senthilkumar, S.Vivekanandan. "Experimental Investigation on SI Engine Fueled with CNG-Biogas blends". **International journal of Earth sciences and Engineering** 2014, Vol: 7:2; pp.1052-1055 (**Scopus Index**).
10. S.Sathish and S.Vivekanandan. "Optimization of Different Parameters Affecting Biogas Production from Rice Straw: An Analytical Approach." **International Journal of Simulation, Systems, Science and Technology** Vol: 15:2; pp.78-84(**Scopus Index**).
11. S.Sathish and S.Vivekanandan. "Effect of Mesophilic and Thermophilic Temperature on Floating Drum anaerobic bio-digester". **International Journal of Mechanical Mechatronics Engineering** Dec-2014, Vol: 14:6; pp.39-43(**Scopus Index**).

Conferences\Workshops

1. Presented a paper entitled S.Sathish and S.Vivekanandan "Analysis of Biogas Generation from solid waste using floating drum anaerobic digester", Proceedings of International conference on modeling, optimization and computing, Noorislam University, Kanyakumari, Tamilnadu, India. April 10th – 11th 2014.
2. Participated in Indo – US Workshop on Advances in solar energy and utilization-Fast forward with solar mission, Anna university, Chennai, on 7th – 8th, April-2014.
3. Participated in Two days' workshop on "Research Methods and Tools", A.V.C collage of Engineering, Mayliaduthurai from 6th – 7th, November 2014.
4. Participated in National workshop on "solid and E-waste management", Bannari Amman institute of technology, Erode, Tamil Nadu, India, from 21th, February 2015.
5. Presented a paper entitled S.Sathish and S.Vivekanandan "Biogas production from wheat straw to generate renewable energy using response surface methodology (RSM)", pp.10109-10108, International conference on emerging trends in manufacturing and modeling, NMIMS University, Maharashtra, India. February 27th -28th 2015.
6. Presented a paper entitled S.Sathish and S.Vivekanandan "Experimental Investigation on biogas production using Industrial waste to generate renewable energy. ICMEET, Megna collage of Engineering, Chennai. February 29-30th 2015.
7. Attended Workshop on sonachalam memorial Research Methodology and Skills at Annamalai University on 6th – 9th January 2015.
8. Attended "National level workshop on Advanced power Electronic converters and its control techniques for renewable energy systems" SRM University, from 23rd – 24th January 2015.
9. Participated in the "Two day staff Training program on "Applied Hydraulics and Fluid Machines" Annamalai University on 24th – 25th on February.
10. Attended "UGC sponsored workshop on Green Manufacturing Concepts" MIT, Guindy, Chennai from 16th – 17th, on February.
11. Presented a paper entitled S.Sathish and S.Vivekanandan "To effect of TS, VS and temperature on biogas generation using various methods". AMMA, NIT, Tirchy, 9th – 11th April, 2015.
12. Presented a paper entitled S.Sathish "Anaerobic Co-Digestion of Industrial – Agro waste: Methane Potential and Different Slurry Temperature" ICTARGET – 2017 March 30-31, VIT University Vellore.

Personal details

Father's name	S.Sivasubaramaniyan
Father's Occupation	Manager, Thiruvaduthurai Athinam,
Mother's name	S.Nirmala
Address	No: 53, Vanniyar Street, Thirukalukundaram, Kanchipuram Dist., - 608109. Chennai, Tamil Nadu.
Date of birth	24-10-1988
Gender	Male
Nationality	Indian
Religion	Hindu