

A.A.MUHAMMAD IRFAN

38 B Thaikkal Street,
Pallapatti-639205,
Karur (Dist).



Email : mechmuhammad@gmail.com
Contact No: 9025050497

CAREER OBJECTIVE

To work with an organization where, is a scope for self-improvement and Knowledge enhancement which will provide an opportunities to exhibit the best of my ability and contribute towards organizational and society development.

EDUCATIONAL QUALIFICATION

Course	School/College Name	Board/University	Year of passing	Grade / Percentage
M.E (THERMAL)	Govt. College of Technology, Coimbatore	Anna University, Chennai	2017	8.9
B.E (MECHANICAL)	Coimbatore Institute of Technology, Coimbatore.	Anna University, Chennai	2013	8.31
Diploma (MECHANICAL)	Al-Ameen Polytechnic College, Erode.	DOTe, Chennai	2010	94.5 %
XII (Maths-Biology)	Pallpatti Hr. Sec. School, Karur.	State Board, Chennai	2008	81 %
X	Pallpatti Hr. Sec. School, Karur.	State Board, Chennai	2006	82.6 %

PROFESSIONAL SUMMARY

- Working as an assistant professor in *MOHAMED SATHAK A J COLLEGE OF ENGINEERING, CHENNAI* from **June 2017 to at present**
- Worked in *M.A.M.SHOOL OF ENGINEERING, TRICHY* as an Assistant professor from **June 2013 to July 2015**
- Number of **Conference / Workshop / FDP** attended: **4 / 8 / 5**

JOURNAL PUBLICATIONS

Muhammad Irfan A A, Periysamy S. “Investigation of Hevea brasiliensis blends with an Aid of Rancimat apparatus and FTIR spectroscopy”, International Journal of Engineering and Technology (IJET), **Vol.9, Issue 4 (2017) 2794-2799** ISSN (P) : 2319-8613 (O) : 0975-4024. [10.21817/ijet/2017/v9i4/170904008](http://dx.doi.org/10.21817/ijet/2017/v9i4/170904008)

Muhammad Irfan A A, Periysamy S. “ Experimental study on Diesel engine using Hevea brasiliensis biodiesel blend with Di Tertiary Butyl Peroxide additive as fuel”, International Journal of Engineering Research & Technology (IJERT), **Vol.6, Issue.03 (2017) 408-411** ISSN: 2278-0181. <http://dx.doi.org/10.17577/IJERTV6IS030537>

Maridurai T, **Muhammad Irfan A A**, Vengadesan E, Loganathan K, Mohamed Aminudeen M S, Harrish Ahamed K. “Review on material aspects of solar Thermal collectors”, International Journal of Mechanical Engineering and Technology (IJMET), **Vol.9, Issue 7 (2018) 286-292** ISSN (P) : 0976-6340 (O) : 0976-6359. http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_7/IJMET_09_07_033.pdf

Maridurai T, Vengadesan E, **Muhammad Irfan A A**. “Thermal Performance Enhancements Techniques of Box Solar Cooker”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), **Vol. 8, Issue 3 (2018) 1214-1220** ISSN (P): 2249-6890; ISSN (E): 2249-8001.

CONFERENCE PROCEEDINGS

Muhammad Irfan A A, Periysamy S, Maridurai T. “Experimental Analysis of Hevea Brasiliensis Methyl Ester Diesel Blend With Antioxidant Additive In A Di-Diesel Engine”, Proceedings of International Conference on Design, Materials, Cryogenics, and Constructions (ICDMC 2019), Springer, Lecture Notes in Mechanical Engineering, (2020) **91-100** ISBN: 9789811536311; ISSN: 2195-4356. https://doi.org/10.1007/978-981-15-3631-1_10

A Gurusamy, **A A Muhammad Irfan**, ER Sivakumar, P Purushothaman. “Evaluation of Performance and Emission Characteristics on Diesel Engine Fueled by Diesel–Algae Biodiesel Blend with Ignition Enhancing Additives”, National Conference on IC Engines and Combustion (NCICEC 2019), Advances in IC Engines and Combustion Technology, Springer, Lecture Notes in Mechanical Engineering, (2020) **421-431** ISBN: 978-981-15-5996-9. https://doi.org/10.1007/978-981-15-5996-9_33

A Gurusamy, V Gnanamoorthi, P Purushothaman, PM Samuel, **A A Muhammad Irfan**. “Evaluation of Microalgae Biodiesel Blend Along with DTBP as an Ignition Enhancer on Diesel Engine Attributes”, Proceedings of International Conference on Design, Materials, Cryogenics, and Constructions (ICDMC 2019), Springer, Lecture Notes in Mechanical Engineering, (2020) **71-82** ISBN: 9789811536311; ISSN: 2195-4356. https://doi.org/10.1007/978-981-15-3631-1_8

R. Ramesh, S.M.Sivagami, **A.A.Muhammad Irfan**, N.Murugan. “Evaluation of metallurgical and mechanical properties of dissimilar aluminum alloy 2014-T6 & 6082-T6 joints Produced by friction stir welding”, International Conference on Advances in Tribology (ICAT14),

CONFERENCE PRESENTATION

Muhammad Irfan A A, Periyasamy S. “Analysis of Hevea brasiliensis blends by using Rancimat apparatus and FTIR spectroscopy”, International Conference on Recent Advances in Mechanical Engineering (ICRAMEK’17), Government college of engineering, Salem, 2nd-3rd March 2017.

Muhammad Irfan A A, Periyasamy S. “Investigation on the effects of antioxidant additive in a Di-diesel engine fuelled with Hevea brasiliensis methyl ester diesel blend”, National Conference on Advances in Mechanical and Materials Engineering (AIMME’17), Sri Ramakrishna engineering college, Coimbatore, 7th April 2017.

Muhammad Irfan A A, Periyasamy S, Gurusamy Alaganathan. “Experimental Analysis of Hevea Brasiliensis Methyl Ester Diesel Blend With Antioxidant Additive In A Di-Diesel Engine”, International Conference on Design, Materials, Cryogenics and Constructions (ICDMC’19), Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai , 28 th - 29 th March 2019.

RESPOSIBILITIES UNDERTAKEN

- As a **Hostel deputy warden** with 6 years.
- Coordinator of TECHNOVATION’11 a **National Level Technical Symposium.**
- Organizer of the event “Shape it up” TECHNOVATION’12 a **National Level Technical Symposium.**

PROFESSIONAL BODY MEMBERSHIP

- **ISTE** - Life Member - (*Membership ID: LM124300*)
- **IEI** - Associate Member - (*Membership ID: AM1805579*)
- **ISME** - Senior Member - (*Membership ID: MSAJCE1718SMISME1015*)

TRAINING & CERTIFICATION

- ROYAL ENFIELD, Thiruvottiyur. – **6 days**
- RAMCO CEMENTS, Ariyalur. – **6 days**
- NOBLE STEEL INDUSTRIES, Uthiramerur. – **10 days**

ACHIEVEMENTS

- **State First** in diploma 4th semester
- Secured department **2nd** in 5th&6th semester of Diploma.
- Secured department **1st** in 3rd semester of M.E.

PG PROJECT

- **Phase-I:** Analysis of Hevea brasiliensis blends by using Rancimat apparatus and FTIR Spectroscopy.
- **Phase-II:** Experimental study on Diesel engine using Hevea brasiliensis biodiesel blend with Di Tertiary Butyl Peroxide additive as fuel

UG PROJECT

- **Mini project:** A Study of Wirecut EDM
- **Main project:** Friction stir welding on AA6082-T6 & AA2014-T6 dissimilar joints

SOFTWARE EXPOSURE

- Pro/E
- ANSYS

FIELD OF INTEREST

- Thermodynamics
- Heat and mass transfer

INDIVIDUAL STRENGTHS

- Hard Working
- Ability to work in Teams
- Ability to Learn More
- Maintaining my surroundings clean

HOBBIES

- Playing cricket
- Reading books

PERSONAL PROFILE

Name : MUHAMMAD IRFAN A A
Father Name : A M Anwar Ali
Date of Birth : 07.06.1990
Marital Status : Married
Gender : Male
Nationality : Indian
Languages Known : Tamil and English

DECLARATION

I do hereby declare that above specified details are true and correct to the best of my knowledge.

(MUHAMMAD IRFAN A A)