

## CURRICULUM VITAE

**Dr.S.THULASI**

**Assistant Professor**

**Department of Mechanical Engineering**

**UCE – BIT Campus, Tiruchirappalli 620 024**

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➤ **Research Area:**

- Renewable Energy Technologies
- Biomass energy
- Thermal Absorption by Composite Materials
- Green Technology

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>	<b>Percentage</b>	<b>Class</b>
Ph.D. (specialization)	Anna University ::Chennai	2017	---	---
M.Tech (Energy Engineering)	National Institute of Technology, Tiruchirappalli	2004	8.65 CGPA	First class with Distinction
B.E (Mechanical Engineering)	Coimbatore Institute of Technology, Coimbatore	1999	70.08	First class
HSC	Sengunthar Higher Secondary School, Thuraiyur	1995	89.91	---
SSLC	Sengunthar Higher Secondary School, Thuraiyur	1993	91.20	---

**Experience:** (chronological order)

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
Oxford Engineering College, Trichy	Lecturer	23-08-1999	30-06-2005	5Y 10M 9D

Oxford Engineering College,Trichy	Sr. Lecturer	01-07-2005	30-06-2006	1Y
Oxford Engineering College,Trichy	Assistant Professor	01-07-2006	28-08-2008	2Y 1M 29D
Anna University,Tiruchirappalli, Thirukkuvalai campus	Lecturer	01-09-2008	19-08-2009	11M 18D
University College of Engineering, Thirukkuvalai	Assistant Professor	20.08.2009	09.08.2023	13 Y 11 M
University College of Engineering,BIT Campus, Tiruchirappalli	Assistant Professor	10.08.2023	Till Date	_____

➤ **Awards / Honours Received:**

1. Best paper award in International Conference on Computing, Circuits,Energy and Materials- ICCCEM-2022,University College of Engineering, Nagercoil on December 2022.

➤ **Additional / Academic Responsibilities at University:**

1. Dean(i/c),University College of Engineering,Thirukkuvalai from September 2013 to June 2014.
- 2.HOD(i/c), Department of Mechanical Engineering Department from September 2008 to December 2019.
- 3.Executive warden for Hostels, University College of Engineering,Thirukkuvalai from 2012 to 2013.
4. Member,Anti ragging Committee, University College of Engineering,Thirukkuvalai from 2015 to 2023.
5. Co-ordinator,Disaster Management ,University College of Engineering,Thirukkuvalai from 2018 to 2023.
- 6.Member, Anna University Affiliation Inspection Committee.
- 7.NSS Programme Officer, University College of Engineering,Thirukkuvalai from 2010 to 2013.
- 8.Anna University Examinations, Nodal Officer APR-May-2023.
- 9.Alumni Association Co-ordinator from 2021-2023.
10. Tamil Mandram Co-ordinator from 2020 -2023.

11. Campus Security team Incharge from 2021-2022.

12. Mechanical Engineering Department Library Co-ordinator from 2020 -2021

➤ **Membership of Scientific and Professional Societies:**

1. Life member in ISTE
2. Life Member in INDIAN WELDING SOCIETY (IWS)

➤ **Fellowships and Grants received:**

➤ NIL

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: NIL
- b. Number of UG Project Completed: 76 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	---	----	----	----

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	----	----	---	----

➤ **Publications:**

**a. Books / book chapters:**

S.No	Name of the Book	Publisher with ISBN/ISSN	Authors
1	Thermal Engineering	AGPH Books ISBN :978-93-94339-33-0	Dr.KK.Tiwari,Dr.V.Arunprasad,Dr.S.Thulasi and Dr.Sandeep Yadav
2	Study of Metal matrix Composites	LAMBERT Academic Publishing ISBN: 978-620-4-74589-3	Dr.G.Karthikeyan, Dr.G.Elatharasan Dr.S.Thulasi
3	Renewable Energy sources (In press)	AGPH Books ISBN: 978-93-94339-70-5	Dr. S. Thulasi, Dr. V. Arunprasad, Dr. M. Durairasan

**b. International Journals:**

1. Jai sankar, S, Ananth, J, **Thulasi, S**, Jayasuthakar, ST, Sheeba, KN 2011, ‘A Comprehensive review on Solar water heaters, Renewable and Sustainable Energy Reviews, vol. 15, no. 6, pp. 3045-3050.
2. **Thulasi, S** & Jai sankar, S 2016, ‘Performance Analysis of Conventional and Variable Header Thermosyphon Solar Water Heating System’, Asian journal of Research in social sciences and humanities, vol. 6, no. 10, pp. 1807-1823.
3. **Thulasi, S**, Jai sankar, S ,Dhanaraj,P 2016, ‘Experimental Analysis of anAsymmetric Double Slope Basin Type Solar Distillation’,Transactions on innovations in Science & , vol.1 ,no.2 ,pp. 20-23.
4. **Thulasi, S** , Jai sankar, S ,Ragu,J, Praveen Infant,A 2016, ‘Design and Analysis of Duct Type Solar Water Heating System’, Transactions on innovations in Science & Technology, vol.1 ,no.2 ,pp. 26-29.
5. **Thulasi, S**& Jai sankar,S 2017, ‘Experimental Studies On a Dimpled Tube Heat Exchanger with Copper Twist Inserts’, Transactions on innovations in Science & Technology, vol.2 ,no.3 ,pp. 53-55.
6. **Thulasi, S**,Thirumaran,V, and Mohammed Hallelluah,H.T.S., 2019, ‘Experimental Analysis of Thermal performance of a Variable diameter riser tube solar water heater, International Journal of Engineering Research and Technology, vol.7 ,no.11 ,pp. 1-5.

7. Muthu,G, **Thulasi,S**, and Mothilal,T.,2020,. ‘Heat transfer Analysis of thermoelectric generator at the focus of Solar parabolic dish, Journal of XI’AN University of Architecture &Technology, vol.12,no.5, pp.275-281.
8. **Thulasi,S**. and Jaisankar ,S, 2020,. ‘Analysis of Thermal performance Characteristics in variable header Solar water heating system by Swirling Effect of Twisted tapes’,Energy Sources, Part A: Recovery, Utilization, and Environmental Effects . DOI : 10.1080/15567036.2020.1767232.
9. Karthikeyan,G, Elatharasan,G , **Thulasi,S**, and Vijayalakshmi,P.,2020. ‘Tensile, compressive and heat transfer analysis of ZrO<sub>2</sub> reinforced 4 aluminum LM6 alloy metal matrix composites’, Materials Today: Proceedings.(Article in Press) doi.org/10.1016/j.matpr.2020.05.270.
10. **Thulasi,S**, Muthu,G, Karthikeyan,G and Thirumaran,V.,2020. ‘Thermal performance in a modified header solar water heating system using salt hydrate technology with twisted tape insert’, Materials Today: Proceedings.<https://doi.org/10.1016/j.matpr.2020.06.507>.
11. Muthu,G,**Thulasi,S**, Dhinakaran,V, and Mothilal,T.,2020.‘Performance of solar parabolic dish thermoelectric generator with PCM’. Materials Today: Proceedings.<https://doi.org/10.1016/j.matpr.2020.06.123>. (Article in Press).
12. **Thulasi,S**, Sivasubramaniam,S, and Thirumaran,V,2020. ‘Performance and heat transfer evaluation of convex lens solar water heater with serrated, triangular cut and perforated twist inserts’.IOP Conf. Ser.: Mater. Sci. Eng. **923** 012073.doi:10.1088/1757-899X/923/1/012073.
13. Veeranan Arunprasad, P. Siva Karthik, Selvam Thulasi, G. P. Arul, Mohd. Shkir, A. T. Rajamanickam, T. Sumathi and Sonia R. Fredrick, 2021, ‘Hydrothermal Preparation of Ni<sub>3</sub>S<sub>2</sub>CoS<sub>2</sub> Composite Electrocatalytic Materials for High Performance Counter Electrodes of Dye-Sensitized Solar Cells’. Journal of Cluster Science. <https://doi.org/10.1007/s10876-021-02183-5>.
- 14.Selvam Thulasi, Veeranan Arunprasad, P. Siva Karthik, G. Elatharasan, P. Senthil and A. T. Rajamanickam, 2022. ‘Design and Fabrication of High Performance Photoanode of Fe<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub>/RGO Hybrid Composites for Triiodide Reduction in Dye-Sensitized Solar Cells. Journal of Cluster Science, <https://doi.org/10.1007/s10876-021-02216-z>.
15. Ganapathy Ponnambalam Arul, Selvam Thulasi, Pitchaipillai Kumar, Veeranan Arunprasad, Saboor Shaik, Mohamed Abbas, Parvathy Rajendran, Sher AfghanKhan, C Ahamed Saleel, (2022). ‘Investigation of Dual–Pass Inclined Oscillating Bed Solar Dryer for Drying of Non-Parboiled Paddy Grains’Sustainability,vol.14,no.9,pp:5558-5570.
16. **Thulasi. S**, Arunprasad.V, (2023), ‘Design and fabrication of interconnected 2D/3D

NiS/Ni<sub>3</sub>S<sub>4</sub> composites super capacitor electrodes for energy storage applications' J Mater Sci: Mater Electron., vol.34,.no:11,.

17. **Thulasi S**, Jai Sankar S, Elatharasan G, (2023) 'An Experimental Approach of a Forced Convection Basic Solar Dryer with Al and Cu sheet metal Drying Cabinets Using Various natural Absorbents' Neuroquantology, vol.20, no.10, pp:10362-10368. DOI: 10.14704/NQ.2022.20.10.NQ551007.

18. Elatharasan G, Manikandan R, Karthikeyan G, **Thulasi S**, 'Tensile behavior of friction stir welded (Aa6061-T6 & Aa5083-H111) dissimilar aluminum alloy joints using response surface methodology' AIP Conference Proceedings, vol:2393, no.01, <https://doi.org/10.1063/5.0074152>.

**c. National Journals:**

1. **Thulasi, S**, Jai sankar, S, Ananth, J, 2011, 'Experimental Studies On fluid behaviours in a variable header solar water heating system', Advances in Building Sciences and Mechanics, vol.2 ,no.1 ,pp. 1-5. (ISSN 0975-7317)

➤ **Patents:**

1. Utility patent - 01 No (Granted)
2. Design Patent - 01 No (Granted), 01 No (Filed)

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
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➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
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➤ **List of Seminar / Short Term Course / FDP/ Workshop organized:**

- Co ordinator for a One day workshop on “Piping Technology” held at Oxford Engineering college, Trichy on 7<sup>th</sup> January 2007.
- Organizing Executive for a National Conference **EMET 07** held at Oxford Engineering college, Trichy on 05.04.2007.

- Co ordinator for a One day workshop on “**Engineering Mechanics**” held at Oxford Engineering college, Trichy on 23.03.2008.
- Co ordinator for a Two day Natinal level Technical Level Symposium **OXCEM 2K7** held at Oxford Engineering college, Trichy on 3 & 4.03.2007.
- Co-ordinator for a One day workshop on “**Energy Scenario and Security**” held at UCE\_Thirukkuvalai on 11.09.2018, sponsored by Petroleum Research Conservation Association(PCRA).
- Six–day Faculty Development Training Programme on “ME8501-Metrology and Measurements” organized by the Department of Mechanical Engineering., University College of Engineering Thirukkuvalai sponsored by the Centre for Faculty Development, Anna University, Chennai during the period 31.05.2021 to 05.06.2021(06 days) through online mode.
- **List of Seminar / Short Term Course /FDP/ Workshop attended:**
  - Faculty Development Programme on **Innovation and Entrepreneurship** organized by NSTEDB at TREC STEP, REC,Trichy during the period of 18 th January 2000 to 2 nd February 2000. (16 Days)
  - A workshop on “ **Computational Fluid Dynamics (CFD) - Emerging Trends**” organized by Department of CEESAT , National Institute of Technology, Trichy on 8 th Dec 2003.(1 Day)
  - A workshop on “ **Renewable Energy – Energy of the future**” organized by Department of CEESAT, National Institute of Technology, Trichy on 20.08.2005. (1 Day)
  - A staff development programme on “**Experience & Expertise with Renewable Energy**” organized bythe Department of Mechanical Engineering held at Periyar Maniammai College of Technology for Women, Vallam, Thanjavur. During the period of 2<sup>nd</sup> July 2007 to13<sup>th</sup> July 2007.(12 Days).
    - A workshop on “ **Piping Technology**” organized by the Department of Mechanical Engineering at Oxford Engineering college, Trichy on 7<sup>th</sup> January 2007.(1 Day)
  - A workshop on “**Engineering Mechanics** ” organized by the Department of Mechanical Engineering at Oxford Engineering college, Trichy on 23<sup>rd</sup> March 2008.(1 Day)
  - A Quality programme on “**Instructional Design And Delivery**” by National Institute Of Technical Teachers Training & Research, MHRD. At Oxford Engineering College during the period 18.02.2008 to 20.02.2008.(3 Days).
  - A workshop on “The Art of Teaching and Training of Engineering Graphics by Solid Edge/Solid works/Auto CAD ” organized by the Department of Computer Science and

Engineering at Pavendar Bharathidasan College of Engineering and Technology, Trichy on 19.09.2009.(1 Day)

- A National Level Seminar on “**Sustainable Technologies For Future-Vision ‘20’**” organized by the Department of Mechanical Engineering at Oxford Engineering college, Trichy on 29-30 December 2009.(2 Days)
- A National Level Seminar on “**Energy For Future-Redefined’**” organized by the Department of Mechanical Engineering at RoeverEngineering college, Perambalur on 25<sup>th</sup> September 2010.(1 Day)
- A National Level Seminar on “**Sustainable Energy For Green Environment’**” organized by the Department of Mechanical Engineering ,Star Lion College of Engineering & Technology, Thanjavur on 29-30 April 2011(2 Days).
- A Workshop on “**Remediations for Clean and Green Environment’**” organized by the Department of Chemical Engineering ,National Institute of Technology, Trichy on 30.11.2012 & 01.12.2012.(2 Days).
- A Short course on “**Technical Writing for Research Scholar in Engineering and the Sciences’**” organized by the Department of Chemical Engineering& Department of Humanities ,National Institute of Technology, Trichy on 25-26 May 2013.(2 Days).
- A National Level Seminar on “**Implementation of Hybrid Technologies In Rural Applications’**” organized by the Department of Mechanical Engineering ,Star Lion College of Engineering & Technology, Thanjavur on 07-08 June 2013(2 Days).
- A National Level Seminar on “**Energy For Future-Redefined’**” organized by the Department of Mechanical Engineering at RoeverEngineering college, Perambalur on 25<sup>th</sup> September 2010.(1 Day)
- A National Level Seminar on “**RenewableEnergyEmpowering Rural India**” organized by the Department of Mechanical Engineering at RoeverEngineering college, Perambalur on 13-14<sup>th</sup> June 2013.(2 Days).
- A Faculty Development Programme on “**ME-2301 Thermal Engineering’**”organized by the Department of Mechanical Engineering,University College of Engineering Pattukkottai during the period of 23<sup>rd</sup> to 29<sup>th</sup>June2014. (7 Days).



- A Workshop on “**Research Methodology** ” organized by Centre for Faculty Development,Anna University ::Chennai, on 23.01.2015.(1 Day).
- A Faculty Development Programme on “**Thermal Engineering Applications For Sustainable Improvement (TEASI’15)**”organized by the Department of Mechanical Engineering,Anna University,Bharathidasan Institute of Technology,Tiruchirappalli during the period of 15<sup>th</sup> to 28<sup>th</sup>June2015.(14 Days).
- A Faculty Development Programme on “**CE-Structural Analysis -II**”organized by the Department of Civil Engineering,University College of Engineering ,Thirukkuvalai during the period of 14<sup>th</sup> to 20<sup>th</sup>Dec2015. (7 Days).
- A training Programme on “**Part Programming And Operations on CNC Lathe Trainer And CNC Mill Trainer**”organized by M/s.Sinewave Engineering Pvt,Ltd. Conducted at Anna University during the period of 01<sup>st</sup> to 05<sup>th</sup>Feb2016. (5 Days).
- A Faculty Development Programme on “**Numerical Methods and Statistical Tools in Engineering**”organized by the Department of Mechanical Engineering,Anna University,Bharathidasan Institute of Technology,Tiruchirappalli during the period of 9<sup>th</sup> to 22<sup>nd</sup>June2016.(14 Days).
- A Faculty Development Programme on “**ME-6403Engineering Materials & Metallurgy**”organized by the Department of Mechanical Engineering,University College of Engineering Pattukkottai during the period of 21<sup>st</sup> to 27<sup>th</sup>November2016. (7 Days).
- A Workshop on “**Intellectual Property Rights and Innovations**” organized by Mechanical Engineering,University College of Engineering Thirukkuvali and Centre for Intellectual Property Rights,Anna University ::Chennai, on 24.08.2017.(1 Day).
- A Faculty Development Programme on “**Advances in Research And Development Of Intelligent Mobile Robots**”organized by the Department of Mechanical Engineering,E.G.S.Pillay Engineering College,Nagappattinam during the period of 20.11.2017 to 03.12.2017. (14 Days).
- A Faculty Development Programme on “**ME 6603-Finite Element Analysis**”organized by the Department of Mechanical Engineering,Government college of Engineering ,Thanjavur during the period of 10.12.2018 to 21.12.2018. (12 Days).

- A Faculty Development Programme on “**Finite Element Analysis**” organized by the Department of Mechanical Engineering, Panimalar Institute of Technology, Chennai during the period of 11.05.2020 to 15.05.2020 (5 Days) through online webinar.
- A Faculty Development Programme on “**Engineering Graphics**” organized by the Department of Mechanical Engineering, Anand Higher Institute of Technology, Chennai during the period of 15.05.2020 to 21.05.2020 (5 Days) through online webinar.
- A Two days Faculty Development Programme on “**An online Faculty Development Programme on Challenges and Innovation in Renewable Energy Technologies by 2020**” organized by the Department of EEE, Tagore Institute of Engineering and Technology, Attur during the period of 09.05.2020 to 10.05.2020 (2 Days) through online webinar.
- Three weeks Industrial Training on “**Mechanical Engineering Applications in Telecom Industry**” Two weeks Online + One week Field study Offline organized by Rajiv Gandhi Memorial Telecom Training Centre (BSNL) during the period 26.05.2020 to 13.06.2020 (21days).
- One week FDP on “ **MATLAB Programming for Meta-heuristic Multi objective Optimization Techniques –Hands on Training**” organized by the Department of Mechanical Engineering GCT, Coimbatore and sponsored by TEQIP –III during the period 22.06.2020 to 26.06.2020 (05 days) through online mode.
- Two week FDP on “**Advanced Concepts for Developing Moocs**” Conducted by Teaching Learning Centre, Ramanujan College, University of Delhi and sponsored by MHRD, New Delhi the period 02.07.2020 to 17.07.2020 (16 days) through online mode.
- Two week FDP on “**Management Online classes and Co-creating MOOCS 3.0**” Conducted by Teaching Learning Centre, Ramanujan College, University of Delhi and sponsored by MHRD, New Delhi during the period 25.07.2020 to 10.08.2020 (17 days) through online mode.
- Five Day FDP on “**Moodle Learning Management System**” organized by Centre for Faculty Development, Anna University, Chennai & IIT, Bombay and sponsored by Ministry of Education during the period 12.10.2020 to 16.10.2020 (05 days) through online mode.
- Two week on Industrial Training Program on “**Plastic Processing and Testing**” organized by Central Institute of Petrochemical Engineering and Technology (CIPET), Madurai during the period 10.06.2021 to 22 .06.2021(13 days) through online mode.
- Five Day FDP on “**Inculcating Universal Human Values in Technical Education**” organized by AICTE, New Delhi during the period 20.12.2021 to 24.12.2021 (05 days) through online mode.

- Eight modules MOOC Course conducted by NITTTR-Chennai / AICTE during the period APR-2022 to MAY-2022 through online mode.

➤ **International Conferences Participated:**

- Jai sankar Subramanian.,Senthilkumar Tamilkozhunthu and **Thulasi Selvam**(2012), "**Experimental Studies on variable header solar water heating system**" Paper submitted in the International Conference on Latest Trends in Engineering and Technology ,organized by ICLTET,Singapore during 28.04.2012 to 29.04.2012.
- **Thulasi,S,& Jaisankar,S**,(2017), "**Performance Study Of V-cut With Perforated twisted Tapes In A Variable Header Solar Water Heating System**"paper presented in the International Conference on Membrane Technology and its Applications”organized by the Department of Chemical Engineering,National Institute of Trechnology,Tiruchirappalli during 21.02.2017 to23.02.2017.
- **Thulasi,S,& Jaisankar,S**,(2017), "**Heat Transfer and Friction factor Behaviours of Simple Helix and Square-cut twisted Tape inserts In A Modified Header Solar Water Heating System**"paper presented in the International Conference on Energy and Environmental Systems”organized by Department of Mechanical & Civil Engineering,University College of Engineering,BIT Campus,Tiruchirappalli during 10.03.2017 to 12.03.2017.
- **Thulasi,S**,Thirumaran,V, and Vinoth,C,(2020),"**Performance and Heat Transfer Evaluation of Convex lens Solar water heater with serrated, triangular cut and perforated Twist inserts**"paper submitted in the International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMES'20), St. Joseph's College of Engineering,Chennai during 20.02.2020 to 21.02.2020.
- **Thulasi,S**, Muthu,G, Karthikeyan,G and Thirumaran,V.,2020. '**Thermal performance in a modified header solar water heating system using salt hydrate technology with twisted tape insert**' paper presented in the International Conference on Newer Trends & Innovations in Mechanical Engineering-2020(ICONTIME-2020),K.Ramakrishnan College of Technology,Trichy during 15.10.2020 to 16.10.2020.
- Muthu,G,**Thulasi,S**, Dhinakaran,V, and Mothilal,T.,2020. 'Performance of solar parabolic dish thermoelectric generator with PCM paper' presented in the International Conference on Newer Trends & Innovations in Mechanical Engineering-2020(ICONTIME-2020),K.Ramakrishnan College of Technology,Trichy during 15.10.2020 to 16.10.2020.
- Karthikeyan,G, Elatharasan,G , **Thulasi,S**, and Vijayalakshmi,P.,2020. 'Tensile, compressive and heat transfer analysis of ZrO2 reinforced 4 aluminum LM6 alloy metal matrix composites' presented in the International Conference on Newer Trends & Innovations in Mechanical Engineering-2020(ICONTIME-2020),K.Ramakrishnan College of Technology,Trichy during 15.10.2020 to 16.10.2020.
- **SelvamThulasi**,G.Elatharasan,G.Karthikeyan and M.Durairasan,(2022), Evaluation of thermal performance of aerofoil wings in combination with wounded copper tube solar water heater Sub mitted in the International Conference on Computing, Circuits,Energy and Materials- ICCCEM-2022,University College of Engineering,Nagercoil during 15.12.2022 & 16.12.2022.

## **National Conferences Participated**

1. Balu G, **Thulasi S** and Parthiban P (2007), “An analytic approach of the evaluation of enterprise resource planning and supply chain management” paper presented in the National Conference on Recent Advancements in Mechanical Engineering (RAME-2007), K.S.R. College of Technology, Tiruchengode on 21.02.2007.
2. Balu G, **Thulasi S** and Parthiban P (2007), “Exploring the Decision Criteria in Product Procurement of Supply Chain Management” paper presented in the National Conference on Engineers Meet In Emerging Trends (EMET07)-Oxford Engg. College, Trichy on 21.02.2007.
3. **Thulasi, S**, Balu, G, Parthiban, P, and Subramanian, P (2007), “An Experimental Analysis of Flue Gas Formation In Poultry Litter Gasification” paper presented in the National Conference on Engineers Meet in Emerging Trends (EMET07)-Oxford Engg. College, Trichy on 05.04.2007.
4. **Thulasi, S** and Jaisankar, S (2010), “Experimental studies on variable header solar water heating system” paper presented in the National Conference on Clean and Green Environment by implementing Renewable Energy Technologies CGEIRET-2010 -Oxford Engineering College, Trichy on 16,17.07.2010.
5. **Thulasi, S** and Jaisankar, Anbazhagan, RRajesh, S, (2014) "Experimental studies of Turbulent Flow Region for Variable Header Solar Water Heating System" Paper submitted in the Modelling and Optimization of Automotive systems MAAS-2014, at Karpagam University on 21.03.2014.
6. **Thulasi, S**, Jaisankar, S, Rajesh, S and Velmurugan, T (2013), “Fluid behaviour Studies In A Variable Header Solar Water Heating System”. Paper presented in the National conference on Sustainable Development and Environmental Quality (SDEQ'13) at Roever Engineering College, Perambalur during 29 & 30.08.2013.
7. Jaisankar, S, **Thulasi, S**, Harikarthick, S, and Venkatesan, R (2013), “Design and Experimentation of a Modified Solar Dryer With Phase Change Materials”. Paper presented in the National conference Sustainable Development and Environmental Quality (SDEQ'13) at Roever Engineering college, Perambalur during 29 & 30.08.2013.
8. **Thulasi, S**, Thirumaran, V, and Mohammed Hallelluah, H.T.S. (2019), “Experimental Analysis of Thermal performance of a Variable diameter Risertube solar water heater”. Paper presented in the National conference on Innovative Trends in Future Engineering and Technology (Conf Call'19) at Parisutham Institute of Technology and Science, Thanjavur during 29 & 30.08.2019.

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- Reviewer “Journal of Thermal analysis and Calorimetry” Springer.

**(A) Chairperson for conferences / Seminar / Technical symposia:**

- **NIL**

**(B) Guest lectures delivered:**

- Guest Lecture delivered on “Renewable Energy and its Applications” at StarLion College of Engineering and Technology,Thanjavur on 05.09.2015.
- Guest Lecture delivered on “Role of Solar water heaters in Thermal Engineering” at StarLion College of Engineering and Technology,Thanjavur on 30.01.2016.
- Keynote address delivered at National level technical Symposium FAYSCA'16, organized by the Department of Mechanical Engineering,University College of Engineering, Pattukkottai on 06.03.2017.
- Keynote address delivered at National level technical Symposium MECHXPLORE'18, organized by the Department of Mechanical Engineering,University College of Engineering, Ariyalur on 21.02.2018
- Keynote address delivered at National level technical Symposium SWARTEK'19, organized by the Department of Mechanical Engineering,sudharsan Engineering College, Pudukkottai on 01.03.2019.
- Guest Lecture delivered on “Force Analysis in Reciprocating Engines” at Department of Mechanical engineering, University College of Engineering, BIT campus on 08.05.2019.
- Guest Lecture delivered on “Renewable Energy-Future-Recent developments ” at Sembodai Rukmani Varatharajan Engineering College,Vedaranyam,Nagappattinam-Dt on 05.05.2023