

BIODATA

1. PERSONAL DATA

Name : Dr. Sujatha I.

PEN : 596224

Designation : Associate Professor

Department : Production Engineering

Institution : Government Engineering College Thrissur

Date of joining service : 28/2/2005

Date of declaration of probation : 28/2/2007

Date joining present post : 6/3/2018 (CAS Associate Professor) 1/6/18 (Cadre Associate Professor)

KTU ID : KTU-F18762

Email ID : sujatha@gectcr.ac.in



2. QUALIFICATION

| Degree | University/Board | Institution | Year of passing |
|--------|-------------------|----------------------------|-----------------|
| B.Tech | Kerala University | SCT College of Engineering | 2000 |
| M.Tech | Kerala University | TKM College of Engineering | 2004 |
| Ph.D | IIT Madras | IIT Madras | 2019 |

3. EXPERIENCE

Nil

4. JOURNAL PUBLICATION

Sujatha, I., and G. Venkatarathnam. 2017a. "Performance of a vapour absorption heat transformer operating with ionic liquids and ammonia." *Energy*, 141. <https://doi.org/10.1016/j.energy.2017.10.002>.

Sujatha, I., and G. Venkatarathnam. 2017b. "Performance of a vapour absorption heat transformer operating with ionic liquids and ammonia." *Energy*, 141: 924–936. Pergamon. <https://doi.org/10.1016/j.energy.2017.10.002>.

Alex, A., and I. Sujatha. 2018. "Comparison of Cooling Load Estimation Method by CLTD Method and Android Application." *Int. J. Res. Electron. Comput. Eng.*, 3: 451–454.

Menon, N. M., S. Jerome, and I. Sujatha. 2020. "Study to identify factors influencing the adoption of solar photovoltaic panels in households." *J. Crit. Rev.*, 7 (12): 498–501. <https://doi.org/10.31838/jcr.07.12.89>.

5. CONFERENCE PAPER

T S, Arun.,and Sujatha . I. 2019. "Production and Estimation of Properties of Biodiesel from Used Ayurvedic Oil." *SSRN Electron. J.* <https://doi.org/10.2139/ssrn.3441529>.

Menon, N. M., and I. Sujatha. 2021. "Influence of Rogers' theory of innovation of diffusion on customer's purchase intention – a case study of solar photovoltaic panels." *IOP Conf. Ser. Mater. Sci. Eng.*, 1114 (1): 012059. <https://doi.org/10.1088/1757-899x/1114/1/012059>.

Sunil Jerome, Sujatha I. "Thermodynamic modelling and analysis of newly introduced eco-friendly alternative refrigerants for air conditioning applications". *International Mechanical Engineering Congress (IMEC-2019)*, 29th November- 1st December 2019, NIT Tiruchirappalli

6. TRAINING PROGRAM ATTENDED

| Course Name | Conducted by | Sponsoring Agency | Period | |
|---|---|-------------------|-----------------------------|---------------------------|
| | | | From | To |
| Statistics for researchers | GEC Thrissur | TEQIP | 23 rd May 2022 | 25 th May2022 |
| NBA accreditation and teaching and learning in Engineering(NATE) | NPTEL-AICTE | IIT | Jan 2022 | April 2022(12 weeks) |
| Accreditation and outcome based learning | NPTEL-AICTE | IIT | July2021 | SEP 2021 (8 weeks) |
| Industrial Training on 3DPrinting/Additive Manufacturing | NIELIT Calicut | TEQIP | 20 th OCT 2021 | 2 ND NOV 2021 |
| Grant and funding Project Proposal writing | Educorp centre for research | TEQIP | 12 th DEC 2021 | - (1 day) |
| Advances in Green Technologies | GEC Thrissur | DTE | 16 th Dec2019 | 21 st Dec 2019 |
| Recent and Emerging Trends in fluid mechanics research | GEC Thrissur | DTE | 2 nd DEC 2019 | 7 th Dec 2019 |
| Preparing for NBA Accreditation of PG Programs in the latest format | GEC Thrissur | TEQIP II | 29 th April 2019 | 30 th April 2019 |
| Computational Fluid dynamics using Open FOAM | CSR-CFD | KTU | 26 th Dec 2017 | 30 th Dec 2017 |
| Faculty Development Programme | IIT Madras | TEQIP | 27 th Oct 2016 | 29 th Oct 2016 |
| Academic Leadership and Professional Excellence | GEC Thrissur | DTE | 17 th Oct 2016 | 21 st Oct 2016 |
| Academic Research: Oppurtunities, challenges and Present day Scenario | GEC Thrissur | TEQIP | 6 th Oct 2016 | 8 th Oct 2016 |
| Matlab for Engineers and Researchers | Dept. of Chemical Engineering, GEC Thrissur | TEQIP | 28/09/2016 | 30/09/2016 |
| Applications and use of gas chromatograph | Dept. of Chemical Engineering, GEC Thrissur | TEQIP | 22/09/2016 | 24/09/2016 |
| Microsoft word and excel for teachers | Dept. of Production Engineering, GEC Thrissur | ISTE | 22/09/2016 to | 24/08/2011 |
| Agile supply chains | GEC Thrissur | AICTE-ISTE | 17/01/2011 | 22/01/2011 |
| ISO 9001:2008 awareness | GEC Thrissur | TEQIP | 23/3/2010 | 23/3/2010 |
| Nanoscience and Nano technology | Dept. of Chemical Engineering, GEC Thrissur | DTE | 18/01/2010 | 23/01/2010 |
| ISO 9001:2008 awareness | GEC Thrissur | TEQIP | 23/3/2010 | 23/3/2010 |
| Emerging trends in operations management | Dept. of Production Engineering, GEC Thrissur | DTE | 14/12/2009 | 19/12/2009 |
| Smart materials-Opportunities and challenges | Government Engineering college-Barton hill | DTE | 12.01.2009 | 23.01.2009 |
| Performance excellence for teachers | Dept. of Production Engineering, GEC Thrissur | AICTE-ISTE | 26.03.2007 | 30.03.2007 |
| Life skill education and counselling | Dept. of Production Engineering, GEC Thrissur | DTE | 24.02.2007 | 28.02.2007 |
| Technopreneurship development programme | Government Engineering college-Trivandrum | TEQIP | 30.01.2006 | 10.02.2006 |
| Induction training for teachers | Dept. of Production Engineering, GEC Thrissur | AICTE | 22.08.2005 | 03.09.2005 |

7. TRAINING PROGRAM CONDUCTED

| Course Name | Position handled | Sponsoring Agency | Period | |
|---|------------------|-------------------|-------------|--------------------------|
| | | | From | To |
| Opportunities and Challenges in change management | Co-Coordinator | DTE | 27 Nov 2017 | 1 st Dec 2017 |

8. POSITION HELD/HOLDING

1. Head of the Department 2021-22
2. Ph D Research Supervisor (KTU)
3. KTU Examination valuation chairman
4. UG Accreditation coordinator
5. 2022 B.Tech admission students staff advisor
6. Women cell member
7. ICETEST-2020 international conference Department coordinator
- 8.2016 B.Tech admission students staff advisor

9. 2012 B.Tech admission students staff advisor

10. Resident Tutor, Ladies Hostel, GEC Thrissur during 2005-07

11. Department ISO coordinator and ISO auditor, GEC Thrissur during 2009-12

12. Department Exam committee member, 2009-12

13. Class advisor 2009 admn

14. Department website committee member since 2015

15. Department Purchase committee member since 2018

16. Department coordinator for Internal Improvement exam (CU) since 2015

17. Department coordinator scholar support scheme since 2018