

FACULTY PROFILE



Designation	: Assoc. Professor
Department	: Mechanical Engineering
Employee ID	: TME011
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Contact details	: Dr.H.M.Kadlimati 'Dhanvantari", House No:1125, Sri Sai Badavane, Semikeri Daipule Layout, Semikeri Post, Bagalkot-587103
Orcid ID	: 0000-0003-0974-0104
Scopus ID	: 2298534000
Vidwan Id	: 137865
Researcher ID (Web of Science)	: AAF-9277-2021
Google Scholar ID	: oPgndm4AAAAJ
Qualification	: B.E. (Mechanical-Mysore University), M.Tech.-First Rank (NITK Surathkal), Ph.D, (NITK Surathkal)
Professional Experience	
Teaching experience	: 29 years
Industry experience	: NIL
Administrative Responsibilities	: 7. Member, Board of Examination (BoE), Mechanical Engineering Department, B.I.T.M. Bellary from 2022 to 2024. 6. Member, Task force committee, National Education Policy-2020, Mechanical Engineering Department, B.E.C. Bagalkote from 2021 to till date. 5. Coordinator, Board of Examination (BoE), Mechanical Engineering Department, B.E.C. Bagalkote from 2019 to 2022. 4. Member, Board of Studies (BOS), Mechanical Engineering Department, B.E.C. Bagalkote from 2018 to till date 3. Coordinator, KSCST Projects, Mechanical Engineering Department, B.E.C. Bagalkote from 2008 to 2009 2. Coordinator, Department Library, Mechanical Engineering Department,

B.E.C. Bagalkote during 2008 to 2012

1. Director, B.E.C. Employees Co-Operative Credit Society from 1999 to 2001

No. of UG Projects Guided : 20 (Six Projects are funded by Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science (IISc) Campus, Bengaluru

Research Area : Thermal treatment of biowaste

No. of Research Scholars : NIL
Pursuing : NIL
Awarded : NIL

Patents : NIL

Research Grants : Rs.35000.00 by Karnataka State Council for Science and Technology (KSCST) for Under Graduate Projects.

Publications : Condensation Aerosol Generator-A New Way to Aerosol Research.
Books/Chapters Lambert Academic publishers, Germany, April 2012.

Journals (with citations) : 2. **H.M.Kadlimatti**, Rajmohan B. and Saidutta M.B. "Bio-oil from Microwave assisted Pyrolysis of Food Waste - Optimization using Response Surface Methodology. **Biomass and Bioenergy** (2019), 123, 25-33

Google Scholar Citations – 88, h index = 2, i10-index = 2

Scopus citations – 67, h index = 2

Web of Science Citations – 64, h index = 2

1. **H.M.Kadlimatti**, Rajmohan B. and Saidutta M.B. "Microwave assisted Pyrolysis of Food Waste - Optimization of Fixed carbon content using Response Surface Methodology. **Biofuels** (2021), 12(9), 1051-1058. Published online-02-05-2019

Google Scholar Citations – 13, h index = 2, i10-index = 2

Scopus citations – 10, h index = 2

Web of Science Citations – 09, h index = 2

Conferences : **International Conferences**

3. **H.M.Kadlimatti**, Rajmohan B., and Saidutta M.B. "**Physicochemical and Thermochemical Characterization of Food Waste-A Potential Biomass Resource for Biofuels**". Proceedings of the International Conference on "Energy and Environment: Global Challenges", NIT Calicut, Kerala, 9-10 March 2018.

2. **H.M.Kadlimatti**, Gavish Vastrad. Kiran B. Channi, sangmesh P. Suligavi and Vishal Sarikdar. "Safflower Seed Husk Reinforced

Plastics (SRP)". Proceedings of the International Conference on Advances in Mechanical Engineering Sciences, 21-22 April 2017, P.E.S. Engineering College Mandya, Karnataka, India.

1. **H.M.Kadlimatti**, Gangamma S, Varghese S.K. Aerosol. Generation of Monodisperse Aerosols through Condensation Nuclei control. Proceedings of the 15th International Conference on Modelling, Monitoring and Management of Air pollution, 23-25 April 2007, Algarve, Portugal, Europe.

National Conferences

3. **H.M.Kadlimatti**, Gangamma s, Varghese S.K. Flow Controlled Condensation Aerosols of Dioctylphthalate (DOP). Proceeding of the National Conference on Recent Advances in Mechanical and Materials Engineering, 30-31 October 2014, Basavakalyan Engineering College, Basavakalyn, Karnataka,India.

2. **H.M.Kadlimatti**, Gangamma s, Varghese S.K. Aerosol Generator. Proceeding of the National Conference on Environmental Conservation (NCEC-2006) 1-3 September 2006, BITS Pilani, Rajasthan, India.

1. **H.M.Kadlimatti**, Gangamma s, Varghese S.K. Design and Testing of Condensation Aerosol generator-Preliminary Results. Proceedings of the National Conference on Synergic Solutions for Sustainable Development, 28-30 December 2005, NITK Surathkal

Invited Talks

: Delivered talk on “**Monodisperse Aerosols**” at BVVS Polytechnic on 10-09-2008.

Events Organized

: **NIL**

Conferences/ Symposiums/ Workshops/Training Programs Attended

: Conferences: (i) National:03 (ii) International:03
Workshops: 09: STTP:13

Awards and Honors

: 11. Project titled “Comparative study on Mechanical Properties of Waste reinforced mud bricks” selected for **State level Poster Presentation** by KSCST from 09-10 August 2024 held at Sharanabasava University Kalaburagi under 47th series SPP

10. “**Certificate of Appreciation**” for developing e-content for the Course **Heat Transfer** under e-Shikshna Programme-03 of Visvesvaraya Technological University’s e-Learning Centre, Mysuru during 12th February 2021 to 15th February 2021.

9. VTU e-Shikshna Faculty Advisory Board recommended as one of the “**Course Expert in Heat Transfer (17ME63)**” subject for live transmission of classes under e-Shikshna programme-3 and videos are available in you tube.

8. Ph.D. thesis titled “Microwave Assisted Pyrolysis of Food Waste to Biochar and Biofuels” has been commented as “**Typical Doctoral Thesis**” by an external referee.

7. Recipient of “**Letter of Award**” by Dr. Akash Chakraborty, Associate Editor- Applied Sciences & Engineering, Springer (India) Pvt. Ltd. New-

Delhi for winning “**Best Research Paper**” at the International Conference on “Energy and Environment: Global Challenges’ held at NIT Calicut, Kerala during 9-10 March 2018.

6. Research paper titled “**Physicochemical and Thermochemical Characterization of Food Waste-A Potential Biomass Resource for Biofuels**” has been adjudged as “**Best Research Paper**” of the International Conference on “Energy and Environment: Global Challenges’ held at NIT Calicut, Kerala during 9-10 March 2018.

5. Project titled “**Mechanical Behavior of Wood Plastic Composites**” adjudged as ‘**Outstanding Projects of the year 2016 and selected for the Best Project Award**’ at the 39th series State level SPP at Vijayapur, jointly organized by KSCST IISc Campus Bengaluru and BLDECET Vijayapur during 19-08-2016 to 20-08-2016.

4. Project titled “**Mechanical Behavior of Wood Plastic Composites**” awarded with the ‘**Third Prize**’ at the 12th series Shruti State level Project seminar cum exhibition held at CMR Institute of Technology Bangalore during 6-8 May 2016.

3. Recipient of **First Rank at M.Tech (Industrial Pollution Control) degree** by Padmabhusan Dr. G. Madhavan Nair, Chairman, ISRO, Government of India at the 4th Convocation of NITK Surathkal held on 24-02-2007.

2. **Appreciation letter** from the Administrative officer B.V.V.Sangha Bagalkot on account of obtaining First Rank at M.Tech. degree

1. **Certificate of Appreciation** by Prof. Ashok Jhunjhunwala Chairman, QEEE Committee Indian Institute of Technology Madras, Chennai for being the part of QEEE programme, A Ministry of Human Resource Development (MHRD), Government of India initiative.