CURRICULUM VITAE

DR SUSHANTH H GOWDA

Personal webpage: https://bit.ly/SushanthHG

G scholar: https://scholar.google.com/citations?user=z6IXhM8AAAAJ&hl=en

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CARRIER OBJECTIVE:

To work in competitive and challenging environment so as to enhance my technical & personal attributes and to implement efficient working methods for the betterment of organization and thus to deliver tangible value to my employer. Providing creativity and imaginative, work in arts to open minded and creative students.

EDUCATION QUALIFICATION AND MEMBERSHIP OF PROFESSIONAL BODIES

- **Doctor of Philosophy (Ph.D.)** awarded in Mechanical Engineering at St Joseph Research Centre (Visveswaraya Technological University) during 2021.
- **Master of Technology (M. Tech)** in Thermal Power engineering, 'Nitte Meenakshi Institute of Technology' Yelahanka Bangalore affiliated to VTU, 2010-2012.
- **Bachelor of Engineering (B.E)** in Mechanical Engineering, Vivekananda College of Engineering, Puttur, Mangalore affiliated to VTU, 2007-2010.**Diploma in Mechanical Engineering**, SNMP Moodabidre, Mangalore 2003-2006.
- Life Member of Indian Society for Technical Education (**ISTE**: LM 90110)
- Member of The Institution of Engineers (**MIE**) M-166676-7
- International Association of Engineers (**IAENG)** Member; Member No: 212697
- Institute of Research Engineers and Doctors (**IRED**); Member No: AM2020081578
- Premium member of Institute of Engineering Research and Publication (**IFERP**) Member No: PM37840126

Ph.D. Title

"Investigation on Production Optimization, Performance Evaluation & Emission Characteristics of Vateria Indica based Hybrid biodiesel on CI Engine."

M. TECH DISSERTATION WORK

"Numerical Investigation on Heat and Mass Transfer during Adsorption/ Desorption Process in a Silica Gel Packed Bed Using Solid Side Resistance Model"

EXPERIENCE

i) Working as **Associate Professor** in St Joseph Engineering College, Mangalore.
From18/01/2013 to till date

ii) Worked as Working as Assistant Professor in Sri Revana Sidheshwara Institute of Technology, Bangalore (Jan 2012 to Jan 2013)

JOB RESPONSIBILITIES TILL DATE:

- NIRF Institute Nodal Officer
- E-Attestation Officer
- KSCST coordinator
- Project coordinator
- Member of core committee for NBA/NAAC accreditation/Autonomy of the department.
- Heat and Mass Transfer Lab and Energy Conversion Lab in charge.
- Evaluator for theory examinations for Visvesvaraya Technological University examinations.
- Guiding undergraduate, postgraduate students for their project work.
- Internal, External Examiner for the practical exams for Visvesvaraya Technological University examinations.
- Organizing committee member for faculty development Programme (FDP) and National/International conferences.
- Editorial committee member of college magazine.
- Departmental coordinator for Safety Committee.
- Attended more than 3o FDP/STTP/Workshops to update the skill and knowledge.
- Created a blog on Thermal related subjects. http://sushanthhgnotes.blogspot.in/

Paper Publications/Conferences:

- Kaavya Kanagaraj, Shiju George, Asha Joseph, **Sushanth H. Gowda "**Adolescent identity search algorithm with optimised video-based activity classification using hierarchical auto-associative polynomial convolutional neural network" International Journal of Ad Hoc Ubiquitous Computing. 2024;45(4):254–65. DOI: 10.1504/IJAHUC.2024.137601
- **Sushanth H. Gowda**, Joel Dmello, Santosh Poojary, 2023. Industrial Crops & Products Process optimization of Scleropyrum pentandrum biodiesel production and study the effect of blends on CI engine characteristics for variation of engine parameters. Ind Crop Prod 194, 116306. https://doi.org/10.1016/j.indcrop.2023.11630
- **Sushanth H. Gowda**, A Avinash, K. Raju "Production optimization of Vateria Indica biodiesel and performance evaluation of its blends on compression ignition engine" Sustainable Chemistry and Pharmacy, 22 (2021) 100475. DOI: https://doi.org/10.1016/j.scp.2021.100475
- **Sushanth H. Gowda**, Joel Dmello, Santhosh Poojary "Optimization of oil extraction from Scleropyrum pentandrum (Dennst .) mabb seeds by surface response approach" YMER ISSN NO 0044-0477 2022;21(10):1179–86. DOI: 10.37896/YMER21.10/A0
- **Sushanth H Gowda**, Joel D'mello, K Raju "Effect of Compression Ratio on Engine Performance, Combustion and Emissions in an CI Engine Fuelled by VIOME, WCOME and W10V10" International Journal of Latest Research in Engineering and Management" (IJLREM), Volume 04 Issue 10 ǁ October 2020 ǁ PP 09-22
- **Sushanth H Gowda**, Ramya M, Joel Dmello, and K. Raju, Influence of injection timing engine in performance and emission using milk scum biodiesel blends on CI, AIP Conference Proceedings 2236, 030005 (2020); https://doi.org/10.1063/5.0007455.
- **Sushanth H. Gowda**, Joel Dmello, Pavana Kumara B., and K. Raju "Optimization of oil extraction from vateria indica seeds by solvent extraction process using response surface method" AIP Conference Proceedings **2080**, 030011 (2019) https://doi.org/10.1063/1.5092914
- Joel D'Mello, Alister G. D'Souza, **Sushanth H. Gowda**, and Denis Pinto "Experimental investigation of compression, flexural strength and damping behaviour of granite particulate epoxy matrix composite" AIP Conference Proceedings 2080, 020012 (2019); https://doi.org/10.1063/1.5092895
- Manjunath H N, Ramesh Babu N, Suhas Kumar S, **Sushanth H Gowda**, Kiran Aithal S, "Design and Development of Solar-Thermal Energy Storage System of Phase Change Materials", Energy

and Power 2017, 7(4): 93-98 DOI: 10.5923/j.ep.20170704.01

- **Sushanth H Gowda**, Joel D' Mello, Joseph Gonsalvis, K Raju, Manjunath H N, "Effect of compression ratio on the Performance and Emission Characteristics of Vateria Indica Oil Methyl Ester on CI Engine", ISBN (13): 978-93-5260-730-3, Mc Graw hill Publications, pp.90-94, 2017.
- Rakesh R, Manjunath H N, Krupa R, **Sushanth H Gowda**, Kiran Aithal S A, "Study on Enhancing COP in VCR by Providing Diffuser In between Condenser and Compressor", Energy and Power 2017, 7(5): 142-148 DOI: 10.5923/j.ep.20170705.04
- Joynel Pinto, Aldrin J Nazareth, Anston C Pais, Jayadev P Y, **Sushanth H. G**., K. Raju*, Joseph Gonsalvis, "A Comparative Study on the Performance and Emission Characteristics of B10 Blends of Vateria Indica and Honge Oil Methyl Esters on a CI Engine", Energy and Power 2017, 7(3): 88-92 DOI: 10.5923/j.ep.20170703.06.
- Girisha N, Manikumar K. C, Manjunath H. N, **Sushanth H Gowda**, N Kapilan "A Study on Effect of Alternative Refrigerant on the Performance of a Domestic Refrigerator", Journal of Mechanical Engineering and Automation 2016, 6(5A): 138-141 DOI: 10.5923/c.jmea.201601.26.
- Sunil J D'Souza, Vinoothan Kaliveer, **Sushanth H G**, Rolvin S D'Silva, K. Raju, "Effect of Compression Ratio on the Performance and Emission Characteristics of Blends of Lard Oil Methyl Ester and Diesel on C I Engine", Energy and Power 2015, 5(1A): 5-9 DOI: 10.5923/c.ep.201501.02
- Presented a paper on "Investigation on Humidification and Dehumidification in Silica gel packed bed by SSR model", for a National Conference in Trends in Mechanical Engineering TIME-2014 organized by NMIT, Bangalore under TEQUIP-II on Jan 16th & 17th, 2014.
- Presented a paper on "Performance and emission characteristics of CI engine fuelled with B20 blend of Rice bran methyl ester with Dimethyl Carbonates as a fuel additive's" for a National Conference at Vivekananda college of Engineering Puttur.

AWARDS AND ACHIEVEMENTS:

1. **T**op 1% Topper in NPTEL online certification course on Outcome based pedagogical principles for effective teaching.
2. Completed IUCEE International Engineering Educators Certification Program (IIEECP).
3. Reviewer for some Journal publications.

SUBJECTS TAUGHT:

U.G Level

Basic Thermodynamics, Applied Thermodynamics, Non-Conventional Energy sources, Heat and Mass Transfer, Energy Engineering, Energy & Environment and Computer aided design and manufacturing.

P.G. Level

Steam and Gas turbines, Advanced Heat Transfer, and fluid Flow.

Computer Knowledge:

- Done a course on CATIA V5R17, SOLIDE EDGE V19, ANSYS 16.1, MS-Office, Mat lab, Lab view.
- Done a course on Hardware and Networking.

DECLARATION

I declare that the entries made in this resume are true to the best of my knowledge and belief.

Place: Mangalore

Date: 20.06.2024

yours faithfully,

(Sushanth H Gowda)