

Cover letter

Respected Sir/Mam,

Myself **Dr. Ganesh Vijay More** from Sangola, Maharashtra. I have completed a diploma and a B.E. in Mechanical Engineering and a master has completed in Mechanical-Energy engineering. In December-2021, I have done my Ph.D. thesis on “Experimental Investigations on Diesel Engine using Biodiesel Blends Produced from Third Generation Feedstock with Additive”, from the Department of Mechanical engineering, K L University, Vijayawada, Andhra-Pradesh. During my Ph.D. **5 SCI, and 1 Scopus** article have been published.

I am a higher education professional with 4 years of research scholar experience working at KL Deemed university which has a "**NAAC A++** grade" & a "**35 NIRF** ranking". During my research, also I have worked in the placement and examination department. I can marvelously improve the research of the institute.

I value communication. I will emphasize sharing information regularly with students and staff. I will have a keen eye and overall understanding of higher education foundations with a particular emphasis on student development theory and academic fundamentals. I can maintain a good track between the student, parents & staff which will directly/indirectly be helpful to institute building.

I would be thrilled for the opportunity to bring my professionalism to any administrative as well as teaching position. I know you'll find me to be a superior candidate for administrative as well as teaching positions and hope to have the chance to speak together in person regarding my qualifications. Please feel free to reach out to me by phone or email to arrange an interview. I appreciate your time and consideration.

Sincerely,



Yours Faithfully

Dr. Ganesh Vijay More

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Dr. Ganesh Vijay More

Mechanical-Engineering
ganeshmr135@gmail.com
 7387031919



Career Objective: Mechanical Engineer with a vast bank of knowledge in the field of engineering. Currently seeking a mechanical engineering position with a company that values efficiency and proper functioning of specialized mechanical tools. Always ready to learn new things.

Strength: Committed to work, positive attitude, strong communication skills, ready to learn new technologies

Skills: Ability to develop, plan, and implement short & long term goals, strong team building, coordination, representation, and Research skills

Area of Interest: Research, planning & development, marvelous improvement in quality

Educational Qualification:

Examination	University/Board	Department	College	Year of Passing	Mark %
Ph.D. (Full Time)	K. L. University	Mechanical Engg.	K. L. University	2021	
M.E.	Pune University	Mechanical-Energy Engg.	VPKBIET, Baramati	2017	7.8 CGPA
B.E.	Solapur University	Mechanical Engg.	FTC Sangola	2015	63.67
Diploma	MSBTE	Mech. Engg.	VPP, Indapur	2012	60.83
S.S.C.	Pune Board	-	Vidya Mandir, Sangola	2008	70.00

Mark Details

Qualification	Month & Year	SGPA/%
Master of Engineering [Mechanical-Energy Engineering]		
4 th Semester	May-2017	8.8
3 rd Semester	Dec-2016	7.8
2 nd Semester	May-2016	7.32
1 st Semester	Dec-2015	7.4
Bachelor of Engineering [Mechanical Engineering]		
4 th Year	Mar/Apr-2015	63.67
3 rd Year	Mar/Apr-2014	57.13

2 nd Year	Mar/Apr-2015	56.53
Diploma in Mechanical Engineering		
3 rd Year	Summer-2011	62.17
2 nd Year	Summer-2010	53.05
1 st Year	Summer-2009	56.26

Research Experience:

(4 Years)
01/2018 – 12/2021

Experimental Investigations on Diesel Engine using Biodiesel Blends Produced from Third Generation Feedstock with Additive

First stage: biodiesel is developed using Taguchi technique from the third generation of feedstocks [*equally mixed dairy waste and karanja oil (DK Biodiesel), and repurpose used cooking oil (RUCO)*].

Second stage: The characterization: Gas chromatography (GC-MS), infrared spectroscopy (FTIR), element analysis (CHNSO), physicochemical properties using IS1448 standard, thermal behavior, and combustion analysis using TG-DTG and TG-DSC techniques.

Third stage: To improve the quality of biodiesel and for improving the performance and emission characteristics of a diesel engine, diethyl ether (DEE) as an oxygenated additive was used.

Fourth stage: The experimental investigation of biodiesel blends was completed with a four-stroke computerized CI Engine. This experimental investigation consists of engine performance (BTE, BSFC, and BSEC) and emission analysis (CO, HC, CO₂, and NO_x).

Outcome: The end of the research will provide the biodiesel blend which provides minimized emissions with good engine performance.

Publication:*1. Scopus, Science Citation Index*

- a. **Effect of compression ratio on compression ignition engine with RUCO biodiesel/diethyl ether/diesel fuel blends.** Energy Sources, Part A (Taylor & Francis) July 2020.
<https://doi.org/10.1080/15567036.2020.1785593>
- b. **Experimental investigation on the effect of compression ratio over emission and performance characteristics of the diesel engine using ternary blends.** International Journal of Green Energy (Taylor & Francis) December 2020.
<https://doi.org/10.1080/15435075.2020.1854263>
- c. **Thermogravimetric Study and Combustion Characteristics of Biodiesel Blends Produced from Repurpose Used Cooking Oil**
International Journal of Environmental Science and Technology (Springer) June 2021.
<https://doi.org/10.1007/s13762-021-03474-0>
- d. **Thermogravimetric Study of Combustion Characteristics of Biodiesel Production from Mixed Dairy Waste and Karanja Oils using Taguchi Technique**
Journal of Thermal Analysis and Calorimetry (Springer) August 2021.
<https://doi.org/10.1007/s10973-021-11020-w>

- e. **Characterization of Biodiesel Blends Produced from Repurpose Used Cooking Oil**
International Journal of Ambient Energy (Taylor & Francis) March 2022. *Accepted*

2. Scopus

Biodiesel Production with the Help of Different Additives on the Basis of Standards – A Review *Journal of Adv Research in Dynamical & Control Systems*, Vol. 10, 09-Special Issue, 2018.

Under Review & ready to submit

1. Investigation of eco-friendly working conditions by studying the combined effect of diethyl ether, compression ratio, and loads, on the emission and performance of C I engine using RUCO biodiesel *Submitted*
2. Study the combined effect of oxygenated additive and low compression ratio on emission and performance of C I engine at full load using RUCO biodiesel *Submitted*
3. 2-articles on combustion analysis & 2 review articles *Capable to publish in SCI journals*

Reviewer

- ✓ Journal of Thermal Analysis and Calorimetry-**Springer**
- ✓ Biofuels- **Taylor & Francis**
- ✓ Materials Today Proceedings- **Elsevier**
- ✓ Journal of Thermal Engineering- **Yildiz Technical University**
- ✓ Sigma Journal of Engineering and Natural Sciences- **Yildiz Technical University**

Projects Undertaken:

- ✓ **Feasibility Study for Replacement of Flat Plate & Pressure Plate Oil Cooler by Multi-Hole Micro-Channel Oil Cooler** (*ME Mechanical-Energy Engineering*)
This work firstly studies plate-fin heat exchanger & micro-channel technology. After that, develop the new heat exchanger using a micro-channel with increase heat transfer capacity in the replacement of plate heat exchanger for oil cooling based on CFD analysis and experimental investigation.
- ✓ **Three-axis modern pneumatic trailer** (*BE Mechanical Engineering*)
In our project, we designed and developed one mechanism for three side dumping trailer and checked trials on it.

Industrial Training & Workshop:

- 1 Month Industrial training and M. E. project at **Pranav Vikas (INDIA) PVT LTD, Ranjangaon, Pune, Maharashtra.** *01/06/2016 to 30/06/2016*
- 15 Days Industrial training At **Sitaram Maharaj Sakhar Karkhana, Khardi, Maharashtra.** *16/12/2013 to 01/01/2014*
- Advances in analysis, measurement and control of noise, vibration & harshness, organized by Cummins college of engineering, Karvenagar, Pune.

June-2013

Conference Attended

- National conference on condition monitoring (NCCM-2019), at K L University, Vaddeswaram, Andra Pradesh.

Professional IDs

- Researchgate ID: <https://www.researchgate.net/profile/Ganesh-More-3>
- Orcid ID: <http://orcid.org/0000-0001-7873-6489>
- Web of Science Researcher ID: <https://publons.com/researcher/3050190/ganesh-vijay-more/>
- Scopus Author ID: 57208100677
- LinkedIn ID: [linkedin.com/in/ganesh-more-66446913a](https://www.linkedin.com/in/ganesh-more-66446913a)

Personal Details:

- **Name** : Mr. Ganesh Vijay More
- **Date of Birth** : 18th May 1993
- **Marital status** : Single
- **Height** : 5ft 5"
- **Languages Known** : Marathi, Hindi, English
- **Permanent Address** : Narendra Nagar, Akola (Wasud) road, Sangola,
Tal: Sangola-413307, Dist.: Solapur, Maharashtra.

Vision:

- To generate awareness of good publications among students (UG, PG), research scholars, and faculties.
- To guide them to improve the number of publications and citations.
- To guide how to do research work.
- Guiding how to write good articles, and publish them in good journals (like SCI, Scopus, WOS).
- To guide how to utilize availed facilities to do research.

Mission:

- To start Scopus and SCI journals.
- To improve the research of the institute.

Declaration:

I hereby declare that the information furnished above is correct to the best of my knowledge and belief.

Date: April 26, 2022

Place: Pune



(Dr. Ganesh Vijay More)

Statement of teaching, research & Institution building

Teaching is an integral part of my identity as an academic. But we are scholars inside and outside of the classroom, my research informs my teaching and my teaching informs my research. Early in my career, I developed a passion for helping students to think critically and practically about life and what we learn. This desire grew out of my own experiences first as a student and then as an instructor.

As a researcher, I am able to guide

what is research?

How to do quality research.

Important things for doing research.

Research article & proposal writing.

How to publish research in Scopus, SCI & web of science.

As per my post-graduation specialization in Mechanical-Energy Engineering, I can teach thermal domain subjects. As per my research in alternative fuel, I can teach Alternative/Renewable Energy Sources.

I have good **research knowledge and Research Proposal Writing** skills. In 2 years, I will contribute 5 SCI articles from which a minimum of 2 can be in ASME/SAE. I will try for a research proposal also. I am also interested **to drive consultancy and collaboration services during my work using available facilities**. It will definitely help to improve the ranking of the institute.

I have the ability to develop, plan, and implement short & long-term goals, strong team building, coordination, representation, and Research skills. With my skills, I have a few key strengths also like commitment to work, positive attitude, strong communication skills, ready to learn new technologies. With 4 years of research experience, skills and strength, I can easily handle any administrative position. Also, I can make a few policies in research that can help to institute to improve research quality as well as publications also.

Declaration:

I hereby declare that the information furnished above is correct to the best of my knowledge and belief.



Date: April 26, 2022

Place: Pune

(Dr. Ganesh Vijay More)