

Name:

Dr. Ganesh Vijay More

Designation:

Assistant Professor

Contact Details:

Email id: gvm_mech@pvgoet.ac.in

**Educational Qualifications:**

- M.E. (Mechanical Energy Engineering), SPPU, Pune, May 2017.
- B.E. (Mechanical), Solapur University, Solapur, May 2015.
- D.M.E. VPP, Indapur, May 2012.

Experience:

- Teaching: 03 Years
- Research: 04 Years

Research Interests:

- Energy
- Waste to Energy Generation
- Alternative Fuel
- Renewable Energy
- Energy Exergy Analysis
- Engine Testing

Research Projects:

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

Patents: (Details)

- Design and Development of a Machine to extract non-edible oil from effluent milk dairy (waste) Scum

Number of Publications:

International Journal: 21

Number of Research Books Edited: 02

Number of Conferences organized: 01

Number of FDPs / STTPs attended: 05

Number of times served as a Reviewer / Judge : 37

Details of Research papers published:

Scopus, Science Citation Index

- i. **A Critical Review on Energy Harvesting Approaches by using Thermoelectric Generator in Solar Photovoltaic System.** Journal of Thermal Engineering. *Accepted March 2025.*
- ii. **A critical review on solar cooking systems for residential application.** Journal of Thermal Analysis and Calorimetry. *December 2025.* <https://doi.org/10.1007/s10973-025-14962-7>
- iii. **Performance of Mylar and Teflon as Compound Parabolic Concentrators in Solar Desalination System.** Journal of Thermal Engineering. *September-2025.* <https://doi.org/10.14744/thermal.0000979>
- iv. **Energy and exergetic evaluation of an economical compound parabolic type solar cooker for residential application.** Journal of Thermal Analysis and Calorimetry. *June 2025.* <https://doi.org/10.1007/s10973-025-14417-z>
- v. **A critical review on solar applications of parabolic trough collector.** Journal of Thermal Analysis and Calorimetry. *March 2025.* <https://doi.org/10.1007/s10973-025-14094-y>
- vi. **Wasted Pomegranates as a potential and novel third-generation feedstock: optimization, characterization, and thermogravimetric investigation.** Journal of Thermal Analysis and Calorimetry. *September 2024.* <https://doi.org/10.1007/s10973-024-13651-1>
- vii. **Thermal Analysis of Sea Water Hybrid Solar Desalination System - An Experimental.** International Journal of Heat and Technology. *August 2024.* <https://doi.org/10.18280/ijht.420425>
- viii. **Characterization of Biodiesel Blends Produced from Repurpose Used Cooking Oil** International Journal of Ambient Energy (Taylor & Francis) *July 2024.* <https://doi.org/10.1080/01430750.2024.2367738>
- ix. **A critical review on the various techniques for the thermal performance improvement of solar air heaters.** Energy Sources, Part A (Taylor & Francis) *October 2023.* <https://doi.org/10.1080/15567036.2023.2264228>
- x. **Biodiesel production from DK oils using Taguchi L9 techniques: characterization and thermogravimetric study of combustion characteristics** Journal of Thermal Analysis and Calorimetry (Springer) *August 2021.* <https://doi.org/10.1007/s10973-021-11020-w>
- xi. **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>
- xii. **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>

- xiii. **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>

Scopus

- i. **AI based Solar Thermal Energy Utilisation in India.** International Journal of Intelligent Systems and Applications in Engineering. February-2024
<https://ijisae.org/index.php/IJISAE/article/view/4962>
- ii. **Investigation of eco-friendly operating conditions of Diesel engine using RUCO biodiesel blends with Additive** Journal of Optoelectronics Laser, Vol. 41, Issue 12, 2022.
- iii. **Effect of Process Parameters on Material Removal Rate, Kerf Angle and Kerf Ratio of Abrasive Water Jet Machined GFRC Laminate.** Journal of Optoelectronics Laser, Vol. 41, Issue 12, 2022.
- iv. **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.

UGC-Care

- i. **Eco-Friendly Synergy: A Review of Fully Biodegradable Composites Combining Biofibers and PLA-PHB Matrix.** International Research Journal of Modernization in Engineering Technology and Science (IRJMETS) 5(6) June 2023.
- ii. **A Review on Biofiber-Reinforced Poly hydroxybutyrate (PHB) And Polylactic Acid (PLA) Composites.** International Research Journal of Modernization in Engineering Technology and Science (IRJMETS) 5(5) May 2023.
- iii. **Design, Fabrication & Performance Analysis of Solar Still for Cow Urine Distillation.** International Research Journal of Engineering and Technology (IRJET) 10(5) 2023.
- iv. **Solar Devices: Solar Water Heater, Solar Still, Solar Cooker and Solar Dryer: A Review.** International Research Journal of Engineering and Technology (IRJET) 10(5) 2023.

Details of the book edited:

- Futuristic Trends in Renewable & Sustainable Energy- IIP Proceedings Book Series
A. Y. 22-23, 23-24

Details of FDPs / STTPs attended in last 5 years:

- 5-Days FDP on "*Emerging Technologies in Future Automotive System*" organized by D.Y. Patil College of Engineering, Akurdi, Pune. [08/12 to 12/12/2025](#)
- 5-Days FDP on "*Research Methodology, Ethics and Publication Tools*" organized by PVG's College of Engineering, Technology & Management, Pune. [16/06 to 20/06/2025](#)
- 5-Days FDP on "*Recent Advances & Challenges in Electric, Hybrid & Fuel Cell Vehicles*" organized by Ajinkya D. Y. Patil School of Engineering, Pune. [27/01 to 31/01/2023](#)
- 3-day Face-to-Face FDP on the theme "*Inculcating Universal Human Values in Technical Education*" organized by AICTE. [3/04/23 to 5/04/2023](#)
- 8-Days FDP on "*Internet of Things*" organized by AISSM COE, Pune & Amrut Vahini COE, Sanganmner. [01/08 to 08/08/2022](#)

Major Portfolios Handled: (college level and department level)

- PVG's COET & GKPIOM, Pune-09: college committee member of "NAAC".

- PVG's COET & GKPIOM, Pune-09: college committee member of "**1ST year admission team**"
- PVG's COET & GKPIOM, Pune-09: college committee member of "**Institute Innovation Council (IIC)**" *for the startup activity coordinator.*
- PVG's COET & GKPIOM, Pune-09: college committee member for "*designing the curriculum for the add-on course: **Sustainable Development.***"
- PVG's COET & GKPIOM, Pune-09: college committee member of "**NSS**"
- Coordinator for PVG-BITs Academic Visit
- Faculty coordinator for international internship at INTI University Malaysia.
- Timetable co-coordinator
- NBA SAR compiling & book preparation
- Higher study & placement co-coordinator
- NSS coordinator
- Fluid Mechanics/Turbomachinery Lab Renovation
- Post-graduation exam coordinator
- LOR coordinator
- MOU Documentation
- NBA Criteria 3
- NBA Criteria 7