

PUNEET SINGH GAUTAM

Q. No. – 946- B Jha Colony, Pantnagar
U. S. Nagar, Uttarakhand Pin- 263145
Mobile - +918755214673 / 9410514164
Email – psgautam51@gmail.com

Education: Ph. D.(Mechanical Engineering)

Specialization: Thermal Engineering

DOB- 15-07-1993



▼ Objective

To obtain a responsible position as **Assistant Professor** where my teaching and research experience will be helpful where I can contribute my skill and talent for the growth of the institution with an opportunity to grow and to teach in a challenging environment and gain knowledge and experience for the growth of my career

▼ Education

Examination	Institution/Board	Year	Percentage/ CGPA
X th	Board of Uttarakhand	2008	73.4
XII th	Board of Uttarakhand	2010	63.2
B.Tech. (Mechanical Engineering)	G.B. Pant University of Agriculture & Technology, Pantnagar	2014	67.25
M. Tech (Thermal Engineering)	G.B. Pant University of Agriculture & Technology, Pantnagar	2017	77.15
Ph. D. (Mechanical Engineering)	G.B. Pant University of Agriculture & Technology, Pantnagar	2022 (Thesis submitted)	79.59

▼ Research

Masters' Thesis Title: “**Theoretical and Experimental Analysis of CI engine fuelled with Calophyllum Inophyllum biodiesel and Diesel with ethanol as an additive**”

Ph. D. Research: “**Study on Combustion, Performance and Emission Characteristics of Water Emulsified Fuels in C.I. Engine**”

▼ Publications

a) SCI Journal publications

1. P. S. Gautam, P. K. Vishnoi, and V. K. Gupta, “A single zone thermodynamic simulation model for predicting the combustion and performance characteristics of a CI engine and its validation using statistical analysis,” *Fuel*, vol. 315, p. 123285, May 2022, doi: 10.1016/J.FUEL.2022.123285. (SCIE, Impact Factor: 6.609)

b) Non SCI Journal publications

1. Vishnoi, P.K., Gautam, P.S. and Gupta, V.K., 2021. Impact of using n-pentanol as a co-solvent with diesel-methanol blends on combustion, performance and emissions of CI engine. *International Journal of Ambient Energy*, pp.1-10. **(Scopus, Impact Factor: 2.326)**
2. P. K. Vishnoi, P. S. Gautam, and V. K. Gupta (2021), “Experimental investigation on cyclic variability in diesel engine fueled with ternary blends of diesel, methanol and 1-pentanol using wavelet method. *International Journal of Engineering Research and Applications*,” vol. 11, no. 2, pp. 14–21, 2021, doi: 10.9790/9622-1102041421.
3. P. S. Gautam, ““ Experimental Analysis of CI Engine Fuelled with Calophyllum Inophyllum Biodiesel and Diesel with Ethanol as an Additive ,”” *International Journal of Applied Engineering Research*, vol. 14, no. 9, pp. 76–81, 2019.

c) Conference proceedings

1. P. S. Gautam, P. K. Vishnoi, and V. K. Gupta, “The effect of water emulsified diesel on combustion, performance and emission characteristics of diesel engine,” *Mater. Today Proc.*, no. xxxx, pp. 1–7, 2021, doi: 10.1016/j.matpr.2021.10.485. **(scopus indexed)**
2. P. K. Vishnoi, P. S. Gautam, and V. K. Gupta, “The impact on combustion knock in CI engine fueled with methanol-diesel-n-pentanol ternary blends,” *Mater. Today Proc.*, no. xxxx, 2021, doi: 10.1016/j.matpr.2021.10.491. **(scopus indexed)**
3. P. S. Gautam, P. K. Vishnoi, P. Maheshwari, T. S. Samant, and V. K. Gupta, “Experimental analysis and theoretical validation of C.I. engine performance and combustion parameters using zero-dimensional mathematical model fuelled with biodiesel and diesel blends,” *{IOP} Conf. Ser. Mater. Sci. Eng.*, vol. 1168, no. 1, p. 12018, Jul. 2021, doi: 10.1088/1757-899x/1168/1/012018. **(scopus indexed)**
4. P. K. Vishnoi, P. S. Gautam, P. Maheshwari, T. S. Samant, and V. K. Gupta, “Experimental evaluation of diesel engine operating with A {TERNARY} {BLEND} ({BIODIESEL}-{DIESEL}-{ETHANOL}),” *{IOP} Conf. Ser. Mater. Sci. Eng.*, vol. 1168, no. 1, p. 12017, Jul. 2021, doi: 10.1088/1757-899x/1168/1/012017. **(scopus indexed)**
5. P. Maheshwari, A. Misra, T. S. Samant, P. K. Vishnoi, and P. S. Gautam, “Simulation of centrally loaded {GrFRP} and analysis of fixed (both ends) supported stress concentrated {JFRP} beam,” *{IOP} Conf. Ser. Mater. Sci. Eng.*, vol. 1168, no. 1, p. 12007, Jul. 2021, doi: 10.1088/1757-899x/1168/1/012007. **(scopus indexed)**
6. T. S. Samant, L. Varshney, P. Maheshwari, P. K. Vishnoi, and P. S. Gautam, “Assessment of Electrical and Thermal Performance of Photovoltaic Thermal Air Collector in the Climate of Pantnagar, Uttarakhand,” *{IOP} Conf. Ser. Mater. Sci. Eng.*, vol. 1168, no. 1, p. 12016, Jul. 2021, doi: 10.1088/1757-899x/1168/1/012016 **(scopus indexed)**
7. “Application of Soft Computing Techniques in Mechanical Engineering” (ASCME 2021) published by CRC Press (Taylor & Francis Group). Title :A single-zone thermodynamic model cycle simulation and optimization of combustion and performance characteristics of a diesel engine **(scopus indexed)**

▼ Computer skills

Microsoft Office (Excel, Word, PowerPoint), Knowledge of C, MatLab, Minitab & R software

▼ **Any other relevant information**

Gate Exam qualified in 2015 and 2017

I certify that the information given above is true to the best of my knowledge and belief.

Date:05-04-2022



Place: Pantnagar

Puneet Singh Gautam