

Dr. Jatadhara G S

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Education

	Degree	Year	Institute	Specialization
1	BE	2006	Sri Siddhartha Institute of Technology	Mechanical Engineering
2	ME	2010	University of Visvesvaraya College of Engineering	Thermal Science and Engineering
3	PhD	2023	Visvesvaraya Technological University	Mechanical Engineering Science

Professional Experience

	Date (from-to)	Designation	Organization
1	27-07-2016-till date	Assistant Professor	Siddaganga Institute of Technology
2	03-03-2010 to 26-07-2016	Assistant Professor	Acharya Institute of Technology

Positions held

- Contineo coordinator
- Test coordinator
- Practical examination allotment coordinator
- ISTE student chapter coordinator
- Department Social media coordinator
- Coordinator for semester examination.

Affiliations of Professional organizations

- ISTE

Courses Taught

Undergraduate Courses

- Introduction to Python Programming
- Elements of Mechanical Engineering
- Engineering Thermodynamics
- Fluid Mechanics and Machinery
- Heat Transfer
- Industrial Hydraulics and Pneumatics
- CAD, CAM& CIM
- Computer Integrated Manufacturing
- Metal Casting and Joining Processes
- Energy Engineering

Research Areas

- Alternate fuels
- IC engines

Publications

Journals

- Gollahalli Siddagangappa Jatadhara, Tumkur Krishnamurthy Chandrashekar, Nagaraj Ramalingayya Banapurmath, Nagesh Sampige Basavaraju, and Keerthi Kumar Nagaraja Setty, "Effect of Injection Timing in Direct Injection Diesel Engine using Plastic Oil Diesel Blends with Biodiesel as an Additive", J. Adv. Res. Fluid Mech. Therm. Sc., vol. 101, no. 2, pp. 73–84, Jan. 2023.
- G. S. Jatadhara, T. K. Chandrashekhar, N. R. Banapurmath, S. B. Nagesh, and N. Keerthi Kumar, "Reactivity Controlled Compression Ignition Engine Powered with Plastic Oil and B20 Karanja Oil Methyl Ester", *jmmf*, vol. 71, no. 12B, pp. 186–192, Dec. 2023.
- G.S. Jatadhara, N.R. Banapurmath, T.K. Chandrashekhar, S.B. Nagesh, P.A. Harari, "Effect of diesel engine modification operated with karanja biodiesel and its blends", Materials Today: Proceedings, Volume 80, Part 2, 2023.
- K. K. N., N. R. Banapurmath, T. K. Chandrashekar, J. G. S., M. E. M. Soudagar, A. E. Anqi, M. A. Mujtaba, M. Goodarzi, A. Elfakhany, M. I. H. Siddiqui, and M. A. Ali, "Effect of parameters behavior of Simarouba methyl ester operated diesel engine," *Energies*, vol. 14, no. 16, p. 4973, 2021.

Conference Proceedings

- G. S. Jatadhara, T. K. Chandrashekhar, N. R. Banapurmath, S. B. Nagesh, and N. Keerthi Kumar, "Experimental investigation of direct injection diesel engine using waste plastic oil as fuel," IOP Conference Series: Earth and Environmental Science, Volume 1084, Second International Conference on

Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)
24/06/2022 - 25/06/2022 Jaipur, Rajasthan, India.

- S. Kumar T., S. B. Arun, G. S. Jatadhara, A. Majumder and A. Dhar, "Design and Fabrication of Rehabilitation-based Exoskeleton for Paralytic Arm," *2020 International Conference on Smart Electronics and Communication (ICOSEC)*, Trichy, India, 2020, pp. 143-148.
- G. S. Jatadhara and T. K. Chandrashekhar, "Assessment on performance and emission parameter of diesel engine using waste plastic oil used as a fuel," *IOP Conference Series: Materials Science and Engineering*, vol. 376, no. 1, p. 012020, 2018.