

NAME: Dr. V. RAMANATHAN

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SPECIALIZATION:

- Automotive Engine and Chassis Design
- Alternate fuels, Nanofluid/ Nanoparticles
- Vehicle safety
- Vehicle Diagnostics



EDUCATION:

- B.E -Automobile Engineering, Bharathiar University, Coimbatore, 1995
- M.E -Computer Aided Design, Madras University, Chennai, 2002
- Ph.D- Engineering and Technology, Hindustan University, Chennai, 2022

PUBLICATIONS:

2022-2023 (Journal Articles/Conference proceedings)

1. Jaikumar, M., Sangeethkumar, E., Arjun, C. A., John, J. G., Hariram, V., & Ramanathan, V. (2023). Mechanical characterization of partially stabilized zirconia on aluminium alloy 6061 for automotive applications—A comprehensive approach. *Materials Today: Proceedings*, 72, 2113-2117.
2. Saraogi, A. K., Ibrahim, M., Sangeethkumar, E., Ramanathan, V., Jaikumar, M., & Venkatesan, H. (2023). Battery materials for electric vehicle—A comprehensive review. *Materials Today: Proceedings*, 72, 2206-2211.
3. Vinothkumar, M., Hariram, V., Paul, R. C., Selvakumar, R., Ramanathan, V., Shreekanth, P. S., ... & Eddgar, J. C. (2023). Hot Tensile Properties of SMA Welded Similar and Dissimilar Joint of P91 and SS304 Grade Steels. *International Journal of Vehicle Structures and Systems*, 15(1).
4. Ganapathy, S. A., Jaikumar, M., Ramanathan, V., Sangeethkumar, E., & Hariram, V. (2022). Impact of CuO Nanoparticle Blended Waste Cooking Oil Biodiesel on the Performance and Emission Characteristics of a CI engine. *International Journal of Vehicle Structures & Systems*, 14(6), 792-800.
5. Saraogi, A. K., Ibrahim, M., Sangeethkumar, E., Jaikumar, M., Ramanathan, V., Kalaiselvan, M., ... & Hariram, V. (2022). Battery Technology for Future Mobility-A Perspective Review. *International Journal of Vehicle Structures & Systems*, 14(4), 446-452.
6. Hariram, V., John, J. G., Sangeethkumar, E., Gajalakshmi, B., Ramanathan, V., Vinothkumar, M., ... & Balachandar, M. (2022). Scenedesmus obliquus and Chlorella vulgaris—A Prospective Algal Fuel Source. *Nature Environment and Pollution Technology*, 21(5), 2129-2139.
7. Sangeethkumar, E., Jaikumar, M., Ramanathan, V., Ganapathy, S. A., Sivasankar, A., & Hariram, V. (2022). Effective Utilization of Waste Cooking Oil Methyl Ester-Diesel blends in a Semi-Adiabatic CI Engine—An Experimental Approach. *International Journal of Vehicle Structures & Systems*, 14(6), 826-831.
8. Ramaswamy, N., Elumalai, S., Goswami, S., Raja, S., Velmurugan, R., Goutham, V. V., & Ramakrishnan, M. (2022). *Design of Blue Tooth Controlled Robotic Arm and Development through Fused Deposition Modelling process* (No. 2022-28-0565). SAE Technical Paper.
9. Raja, S., Mayakrishnan, J., Elumalai, S., Nandagopal, S., Nakandhrakumar, R. S., & Velmurugan, R. (2022). *Comparative Study on Utilization of Waste Cooking Oil in Compression Ignition Engine with Fuel and Engine Modification Techniques* (No. 2022-28-0568). SAE Technical Paper.

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Google Scholar:

<https://scholar.google.com/citations?pli=1&authuser=1&user=REM2n5gAAAAJ>

H-Index: 4

i-10 Index: 1

Sample Profile Pictures:

