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SCHOLARLY PUBLICATIONS

1. Elumalai, P. V., **Balasubramanian, D.**, Parthasarathy, M., Pradeepkumar, A. R., Iqbal, S. M., Jayakar, J., & Nambiraj, M. (2020). An experimental study on harmful pollution reduction technique in low heat rejection engine fuelled with blends of pre-heated linseed oil and nano additive. *Journal of Cleaner Production*, 124617. **(I.F – 7.246)**
2. Elumalai, P. V., Nambiraj, M., Parthasarathy, M., **Balasubramanian, D.**, Hariharan, V., & Jayakar, J. Experimental investigation to reduce environmental pollutants using biofuel nano-water emulsion in thermal barrier coated engine. *Fuel*, 285, 119200. (I.F – 5.7) **(I.F – 5.7)**
3. Vigneswaran, R., **Balasubramanian, D.**, & Sastha, B. S. Performance, emission and combustion characteristics of unmodified diesel engine with titanium dioxide (TiO₂) nano particle along with water-in-diesel emulsion fuel. *Fuel*, 285, 119115. **(I.F – 5.7)**
4. M.Parthasarathy, S.Ramkumar, J.Isaac Joshua Ramesh Lalvani, P.V.Elumalai, **B.Dhinesh**, R.Krishnamoorthy, S.Thiyagarajan. (2020). Performance Analysis of HCCI Engine Powered by Tamanu Methyl Ester with Various Inlet Air Temperature and Exhaust Gas Recirculation Ratios. *Fuel*, 282, 118833. **(I.F – 5.7)**
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8. Gao, J., Tian, G., Ma, C., **Balasubramanian, D.**, Xing, S., & Jenner, P. (2020). Numerical investigations of combustion and emissions characteristics of a novel small scale opposed rotary piston engine fuelled with hydrogen at wide open throttle and stoichiometric conditions. *Energy Conversion and Management*, 221, 113178. **(I.F – 8.7)**
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11. Karthickeyan, V., Ashok, B., Thiyagarajan, S., Nanthagopal, K., Geo, V. E., & **Dhinesh, B.** (2019). Comparative analysis on the influence of antioxidants role with Pistacia khinjuk oil biodiesel to reduce emission in diesel engine. *Heat and Mass Transfer*, 1-18. **(I.F – 0.5)**
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23. Lingesan, S., Annamalai, K., Parthasarathy, M., Ramalingam, K. M., **Dhinesh, B.**, & Lalvani, J. I. J. (2018). Production of Garcinia gummi-gutta Methyl Ester (GGME) as a Potential Alternative Feedstock for Existing Unmodified DI Diesel Engine: Combustion, Performance, and Emission Characteristics. *Journal of Testing and Evaluation*, 46(6). (I.F – 0. 384)
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28. **Dhinesh B**, Isaac Joshua Ramesh Lalvani J, Parthasarathy M, Annamalai K, “An experimental analysis on the influence of fuel borne additives on the single cylinder diesel engine powered by Cymbopogon flexuosus biofuel”, *Journal of the Energy Institute*, 90(4), (2017) 634-645. **(I.F – 3.204)**

SAE International Conference

1. R L krupakaran, Bhanu Palampalle, Dhinesh Balasubramanian, G Vidyasagar Reddy. (2020). *Influence of Titanium Oxide nanoparticle on Solar Desalination with Phase change Material*. (No. 2020-028-0464) SAE Technical Paper. **ADMMS20, Chennai, INDIA**
2. K Asaithambi, R Krishnamoorthy, **Dhinesh Balasubramanian**. (2020). *A Comparative assessment of tailpipe emission characteristics on Diesel Engine using nano fluid with R-EGR setup*. (No. 2020-028-0442). SAE Technical Paper. **ADMMS20, Chennai, INDIA**
3. R Krishnamoorthy, K Asaithambi, **Dhinesh Balasubramanian**, Parthasarathy Murugesan, Amudhan Rajarajan. (2020). *Effect of Cobalt Chromite on the Investigation of traditional CI Engine Powered with raw Citronella fuel for the Future sustainable renewable source*. (No. 2020-028-0445). SAE Technical Paper. **ADMMS20, Chennai, INDIA**
4. Vigneswaran Rajendran, **Dhinesh Balasubramanian**. (2020). *Influence of Injection Parameters on performance and emission of DI Diesel Engine Fueled by 1, 4-Dioxane Emulsified Fuel*. (No. 2020-028-0518). SAE Technical Paper. **ADMMS20, Chennai, INDIA**
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6. **Balasubramanian, D.**, Venugopal, I. P., & Viswanathan, K. (2019). *Characteristics Investigation on Di Diesel Engine with Nano-Particles as an Additive in Lemon Grass Oil* (No. 2019-28-0081). SAE Technical Paper. **ADMMS19, Chennai, India**
7. **Balasubramanian, D.**, & Johnson, A. J. T. (2019). *Performance Assessment of Pyramidal Lattice Core Sandwich Engine Hood for Pedestrian Safety* (No. 2019-28-0089). SAE Technical Paper. **ADMMS19, Chennai, INDIA**.

Books Chapters

#	Title	Author's Name	Publisher	Year of Publication
1.	Evaluation of Ergonomics Issues in Repetitive Scrap Handling Work in Automobile Industries	Aravind Babu Dasari, Dhinesh Balasubramanian	Trends in Manufacturing and Engineering Management - Part of the Lecture Notes in Mechanical Engineering book series (LNME)- Springer	2020
2.	Surface effect of environmentally assisted corrosion growth of automotive welded steel performance	Ojo Sunday Isaac Fayomi, Olusegun David Samuelb, Matsobane Mashilo, Abimbola Patricia Popoola, Oluranti Agboola, Dhinesh Balasubramanian	Materials Today: Proceedings- Elsevier	2020
3.	Capture of CO ₂ from Automobile Exhaust by Using Physical Adsorption Technique	S Mohankumar, B Dhinesh , Muhammad Usman Kaisan, P Mohamed Shameer	Emerging Technologies for Waste Valorization and Environmental Protection in Springer, Singapore. 59-68	2020
4.	Experimental Investigations on the Combined Effect of TiO ₂ Nanoadditive and EGR	RL Krupakaran, B Dhinesh , B Sachuthanathan, N Manigandan	Emerging Technologies for Waste Valorization and Environmental Protection in Springer, Singapore.	2020

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5.	Comparative Analysis of Experimental and Simulated Performance and Emissions of Compression Ignition Engine Using Biodiesel Blends.	Kaisan, M. U., Abubakar, S., Umaru, S., Dhinesh, B. , Shameer, P. M., Sekar, K., & Mary, J. S.	Energy Recovery Processes from Wastes in Springer, Singapore. pp. 85-100).	2020
6.	Influence of Pyrogallol (PY) Antioxidant in the Fuel Stability of Alexandrian Laurel Biodiesel.	Nishath, P. M., Sekar, K., Shameer, P. M., Usman, K. M., Shitu, A., Mary, J. S., & Dhinesh, B.	Energy Recovery Processes from Wastes in Springer, Singapore. pp. 51-63.	2020
7.	Process Optimization Study of Alternative Fuel Production From Linseed Oil	V Karthickeyan, S Balamurugan, B Ashok, S Thiyagarajan, Dhinesh Balasubramanian	Recent Technologies for Enhancing Performance and Reducing Emissions in Diesel Engines, IGI Global , 234-249	2020
8.	Effect of Compression Ratio on Combustion, Performance and Emission Characteristics of DI Diesel Engine with Orange Oil Methyl Ester	V Karthickeyan, B Dhinesh, P Balamurugan	Bioresource Utilization and Bioprocess in Springer, Singapore. pp. 131-149.	2020
9.	Experimental Investigation of Performance and Emission Characteristics of Diesel Blended with Palm Methyl Ester Along with Alumina Nano-Additive Using DI Diesel Engine	PV Inbanaathan, B Dhinesh, U Tamarasan	Bioresource Utilization and Bioprocess in Springer, Singapore. pp. 151-166.	2020

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- ✓ **Research Gate** - https://www.researchgate.net/profile/Dhinesh_Balasubramanian2

I do hereby affirm that the information and particulars furnished above are correct to the best of my knowledge and belief. Other information is available upon request.

Yours sincerely

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