



Papers published by Faculty in Journals/Conferences

Academic Year - 2021-22

International Journals (With Impact Factor)	58
International Journals (Scopus)	40
Scopus Indexed International Conferences	140
Web of Science Journals	05
International Journals (UGC)	06
National Conferences	06
Total	255

International Journal: (With Impact Factor)

1. P.S.Ranjit, "Direct utilization of preheated deep fried oil in an indirect injection compression ignition engine with waste heat recovery framework", Energy, Vol.242, Mar 2022.
[IF 8.85, SJR 1.96, H- Index 193]
<https://www.sciencedirect.com/science/article/abs/pii/S0360544221031595>
2. K. Bapayya Naidu, "An optimal energy management among the electric vehicle charging stations and electricity distribution system using GPC-RERNN approach", Energy, Vol. 245, April 2022
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<https://www.sciencedirect.com/science/article/abs/pii/S0360544222000834>
3. G.Ganesh, "Correlation study of antioxidant activity with phenolic and flavonoid compounds in 12 Indonesian indigenous herbs", Antioxidants, Vol.10, No.10, Sep 2021.
[IF 7.67, SJR 1.07, H- Index 46]
https://www.mdpi.com/2076-3921/10/10/1530?cf_chl_managed_tk=rPTgSgfdSHTFC_Dih_kuGFthLWEj4zfYUqHXtKmy9H4-1641789663-0-gaNycGzNCJE

4. K. Bapayya Naidu, "Design of MFA-PSO based fractional order PID controller for effective torque controlled BLDC motor", Sustainable Energy Technologies and Assessments Vol.49, Feb 2022.

[IF 7.63, SJR 1.04, H- Index 39]

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5. P.V.Elumalai, "Performance comparison of empirical model and Particle Swarm Optimization & its boiling point prediction models for waste sunflower oil biodiesel", Case Studies in Thermal Engineering, Vol.33, May 2022.

[IF 6.26, SJR 0.9, H- Index 47]

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6. M. Aswini Kumar, "An Efficient Sorting Algorithm for Capacitor Voltage Balance of Modular Multilevel Converter with Space Vector Pulsewidth Modulation", IEEE Transactions on Power Electronics, Vol.37, No.8, Mar 2022.

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7. B. Ramamohana Reddy, "Influence of steel and PP fibers on mechanical and microstructural properties of fly ash-GGBFS based geopolymer composites", Ceramics International, Mar 2022.

[IF 5.53, SJR 0.94, H- Index 110]

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<https://link.springer.com/article/10.1007/s00521-022-07293-3>

9. Elumalai. P.V, "Effect of injection timing in reducing the harmful pollutants emitted from CI engine using N-butanol antioxidant blended eco-friendly Mahua biodiesel", Energy Reports, Nov 2021.

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10. Sandip Kumar, "Micro-electrochemical jet machining of large area microtexturing with tool movement strategy", *Materials and Manufacturing Process*, Aug 2021.
[IF 4.78, SJR 0.91, H- Index 66]
<https://www.tandfonline.com/doi/full/10.1080/10426914.2021.1962535>
11. Elumalai. P.V, "Effects of on MnO₂ nanoparticles behavior of a sardine oil methyl ester operated in thermal barrier coated engine", *Journal of Thermal Analysis and Calorimetry*, Jan 2022.
[IF 4.75, SJR 0.52, H- Index 92]
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12. Pritam Kumar Das, "Experimental investigation for stability and surface properties of TiO₂ and Al₂O₃ water-based nano fluids", *Journal of Thermal Analysis and Calorimetry*, June 2021.
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13. P.V. Elumalai, "The effect of thermal degradation and thermogravimetric analysis on pyrolysis oil production from waste milk packet for CI engine application", *Journal of Thermal Analysis and Calorimetry*, Feb 2022.
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14. Elumalai, P.V, "Challenges and Opportunities of Low Viscous Biofuel – A Prospectiv Review", *ACS Omega*, May 2023.
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15. Elumalai. P.V, "Influence of cobalt chromium nanoparticles in homogeneous charge compression ignition engine operated with citronella oil", *Energy Science and Engineering*, Mar2022.
[IF 4.03, SJR 0.64, H- Index 29]
<https://onlinelibrary.wiley.com/doi/10.1002/ese3.1088>
16. P.V.Elumalai, "Artificial neural networks model for predicting the behavior of different injection pressure characteristics powered by blend of biofuel-nano emulsion", *Energy Science and Engineering*, April 2022.
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17. P.V.Elumalai, “Experimental based comparative exergy analysis of a spark-ignition Honda GX270 Genset engine fueled with LPG and syngas”, Energy Science and Engineering, Mar 2022.

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19. P.V. Elumalai, “Assessment of CI Engine Performance and Exhaust Air Quality Outfitted with Real-Time Emulsion Fuel Injection System”, Sustainability, Vol.14, No.9, April 2022.

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[IF 3.79, SJR 0.52, H- Index 77]

21. V. Pragna, “Performance and Environmental Effects of CeO₂/ZrO₂ Nanocomposite in Triple Blend Methyl Ester of Pumpkin and Neem Seed Oil Dosed with Diesel on IC Engine’, Journal of Nanomaterials, Vol 2022, Jan 2022

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23. S.Anandha Kumar, “Understanding the microstructure, mineralogical and adsorption characteristics of guar gum blended soil as a liner material”, Environmental Monitoring and Assessment, Vol.193, No.12, Dec 2021.
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<https://www.sciencedirect.com/science/article/abs/pii/S0030402621011311>
28. Zeeshan Ahmad, “A designed setup of low-priced in-house goniometer/tensiometer”, Optik, May 2022.
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29. S.Prasanth Vaidya, “Fingerprint-based robust medical image watermarking in hybrid transform”, Visual Computer, Jan 2022.
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33. S.Jhansi Lakshmi, "Functional, thermal, pasting, and rheological properties of gluten-free maize composite flour: Effect of moth bean flour and hydrocolloid addition", Journal of Food Processing and Preservation, Vol.45, No.12, Oct 2021.
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39. Shivam Singh, “A comprehensive study of large negative dispersion and highly nonlinear perforated core PCF: Theoretical insight”, Physica Scripta Journal, Vol.97, No.6, May 2022,

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[IF 2.37, SJR 0.31, H- Index 36]

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41. G.Suresh, “False-Positive-Free SVD Based Audio Watermarking with Integer Wavelet Transform”, Circuits, Systems, and Signal Processing, April 2022.

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2. M. Sandra Carmel Sophia, "Double Consciousness in Monica Ali's in the Kitchen", National Seminar on Diaspora Literature: problems and Perspectives, Annamalai University, Tamilnadu, 7-9 Mar 2022.
3. G. Chinna Ram, "Effect of Modifier on Spectroscopic Properties of Lead Bismuth Phosphate Glass System Mixed with Neodymium (III) Oxide", 65th DAE Solid State Physics Symposium, BARC, Mumbai, 15-19, Dec 2021.
4. P.Satish, "Effect of Hall currents on MHD two-ionized slip flow between parallel plates in a rotating system", 66th Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM), VIT-AP University, 3-5 Dec 2021.
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