

DMI College of Engineering

Palanchur, Chennai 600 123

Department of Mechanical Engineering

Journal Publications

Academic Year 2021-22

International Journal

Sl. No	Faculty	Publication
1	Dr. A. Amala Mithin Minther Singh	P. Arul Franco, Amala Mithin Minther Singh A., Radhakrishnan A. Sharun V, Krishnamoorthy N, Pradeep E M, “ Azolla Biodiesel’s Combustion and Emission Characteristics at different injection timings in a CI Engine”, International Journal of Mechanical Engineering, Vol.7., No:2 February 2022.
2	Dr. V. N. Anbazhagan	Bright Brailson Mansingh, Joseph Selvi Binoj, Vadivel Nayanar Anbazhagan, Shukur Abu Hassan, Kheng Lim Goh Suchart Siengchin, Mavinkere Rangappa Sanjay, Mariatti Mustapha Jaafar, Yucheng Liu, “Characterization of Cocos nucifera L. peduncle fiber reinforced polymer composites for lightweight sustainable applications” Applied Polymer Science, 2022
3	Mr. N. Krishnamoorthy	P. Arul Franco, Amala Mithin Minther Singh A., Radhakrishnan A. Sharun V, Krishnamoorthy N, Pradeep E M, “ Azolla Biodiesel’s Combustion and Emission Characteristics at different injection timings in a CI Engine”, International Journal of Mechanical Engineering, Vol.7., No:2 February 2022.
4	Mr. E M Pradeep	P. Arul Franco, Amala Mithin Minther Singh A., Radhakrishnan A. Sharun V, Krishnamoorthy N, Pradeep E M, “ Azolla Biodiesel’s Combustion and Emission Characteristics at different injection timings in a CI Engine”, International Journal of Mechanical Engineering, Vol.7., No:2 February 2022.

Academic Year 2020-21

International Journal

Sl. No	Faculty	Publication
1	Dr. A. Amala Mithin Minther Singh	Amala Mithin Minther Singh A, Arul Franco P, Jinu G.R., Radhakrishnan A, "Comparison of RSM and ANN Optimization Techniques and Modeling of Ultrasonic Energy Assisted Transesterification of Salviniaceae Filiculoides Oil Blended to Biodiesel" Bonfiring International Journal of Industrial Engineering and Management Science, Vol.11, Issue 1, February 2021.
2	Dr. A. Amala Mithin Minther Singh	Micheal Raj F, Sahaya Elsi, Emima Mary, Freeda S, Amala Mithin Minther Singh A, and Jayaram R S, "Dynamic Mechanical Analysis of Hybrid Composites of Discarded Fishnet and Glass Fiber Reinforcement With Polymer Matrix", Journal of Manufacturing Engineering, June 2021, Vol.16, Issue 2, pp.051-060.
3	Mr. R.Venkatesh	R.Venkatesh, B.Dhamodharan, L.Ciril Samson, R.Dass "Analysis Of Mechanical Properties On Aa5052 And Aa6082 Alloys Using Tig And Mig Welding Process" International Journal for Innovative Research Explorer, Vol.11, Issue 1, February 2021.

Academic Year 2019-20**International Journal**

Sl. No	Faculty	Publication
1	Dr. A. Amala Mithin Minther Singh	F. Micheal Raj, A. Amala Mithin Minther Singh, S.Sahaya Elsi. "Manufacturing and Characterization of glass fiber woven roving and polyester composites for marine applications" Journal of Marine Science and Technology, Volume 28, Issue 1, Feb 2020. (IF: 0.602)
2	Dr. A. Amala Mithin Minther Singh	A. Amala Mithin Minther Singh, P.Arul Franco, J.S.Binoj. "Enhancement of corrosion resistance on plasma spray coated mild steel substrate exposed to marine environment" Materials Today Proceedings, Elsevier, Volume 15, Part 1, Pages 84-89 , June 2019 (Scopus Indexed)
3	Dr. A. Amala Mithin Minther Singh	Lakshmi Sankar S, Arun Kumar G, Kuppusami P, Amala Mithin Minther Singh A, Sai Nithin B, Karimulla S K "Tribological Analysis of Plasma Nitrided SS310 Steel Material for Different Process Parameters" Materials Today Proceedings, Elsevier, December 2020 (Scopus Indexed).
4	Dr. A. Amala Mithin Minther Singh	Lakshmi Sankar S, Arun Kumar G, Kuppusami P, Amala Mithin Minther Singh A, Anirudh T, Yeshwanth Reddy "Characterization and Mechanical Behaviour of Modified 15Cr3 Steel using Chrome Nitriding" AIPCP, December 2020 (Scopus Indexed)
5	Dr. A. Amala Mithin Minther Singh	Lakshmi Sankar S, Arun Kumar G, Kuppusami P, Amala Mithin Minther Singh A, Prabhu M, Muthu Kumar S "Wear and Corrosion Behaviour of Plasma Nitrided EN353 Steel for Automotive Application" AIPCP. December 2020 (Scopus Indexed).
6	Dr.V. N. Anbazhagan	V. N. Anbazhagan, R. Edwin Raj, and J. T. Winowlin Jappes, "Development and characterization of novel fiber-metal-laminate (FML) using aluminium sheet and ceramic mat" American Scientific Publishers Material Express pp 358-364 vol-9 no-4 (2019).

Academic Year 2018-19

International Journal

Sl. No	Faculty	Publication
1	Dr. N. Azhagesan	Haribabu K, Azhagesan N , “Comparative Analysis of Bio Diesel with Cotton Soap Stock Oil for IC Engine”, International Journal of Advanced Research in Management , Archistrucre, Technology and Engineering, Vol.IV , Issue IX, Sep.2018, ISSN (Online) 2454-9762, pp 028 – 031
2	Dr. N. Azhagesan	Dhayananth Jegan.C, Azhagesan N , “A novel investigation of heat transfer characteristics in rifled tubes” International Journal of Heat and Mass Transfer , vol.54 ,no. 5, pp. 1503 – 1509, 2018. (Springer)
3	Dr. N. Azhagesan	T. Raja Jeyaseelan, N. Azhagesan , Vignesh Pethurajan, “Thermal Characterization of NaNO ₃ /KNO ₃ with Different Concentrations of Al ₂ O ₃ , and TiO ₂ Nanoparticles, Journal of Thermal Analysis and Calorimetry, published online on 2 Jan 2019 (Springer)
4	Dr. A. Amala Mithin Minther Singh	A.Amala Mithin Minther Singh, P.Arul Franco, J.S.Binoj, S.Sahaya Elsi, M.Divin Kumar. “Evaluation of Corrosion Resistance and Characterization of Ni-Cr Coated Structure Using PlasmaSpray Coating for Marine Hulls” Plasmonics, Springer, Volume 14 Issue 3, pp 595–610, June 2019. (IF:2.926)
5	Dr. A. Amala Mithin Minther Singh	M. Ezhilan , A. Amala Mithin Minther Singh , S. C. Vettivel, “Experimental Investigation to Enhance the Heat Transfer using Nano Fluids in Air Conditioning System: Carribbean Journal of Science, Volume 53, Issue 2, May 2019, (IF:0.2)