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**List of Publications**

**Total: 31**

1. Evaluation of Mechanical Behavior of Multifilament Discarded Fishnet/Glassfiber and Polyester Composites for Marine Applications”. Marine Structures, Elsevier, Volume 58, Pages 361-366, March 2018.
2. Evaluation of Corrosion Resistance and Characterization of Ni-Cr Coated Structure Using Plasma Spray Coating for Marine Hulls” Plasmonics, Springer, Volume 14, Issue 3, pp 595–610, June 2019.
3. 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.
4. Evaluation on Mechanical Properties on Ni-Cr Alloy Coated Marine Structures” Advances in Industrial Automation and Smart Manufacturing, in Springer 2021.
5. 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.
6. Experimental Investigation to Enhance the Heat Transfer using Nano Fluids in Air Conditioning System: Carribean Journal of Science, Volume 53, Issue 2, May 2019.
7. Characterization and Mechanical Behaviour of Modified 15Cr3 Steel using Chrome Nitriding” AIPCP, FAME October 2020. (accepted)
8. Wear and Corrosion Behaviour of Plasma Nitrided EN353 Steel for Automotive Application AIPCP, FAME October 2020. (accepted)
9. Tribological Analysis of Plasma Nitrided SS310 Steel Material for Different Process Parameters” Materials Today Proceedings, Elsevier, FAME, October 2020.
10. Wear and Corrosion Behaviour of Plasma Nitrided EN353 Steel for Automotive Application, 3<sup>rd</sup> International Conference on Frontiers in Mechanical and Automobile Engineering (FAME 2020), Sathyabama Institute of Technology and Science, Chennai.
11. Characterization and Mechanical Behaviour of Modified 15Cr3 Steel using Chrome Nitriding, 3<sup>rd</sup> International Conference on Frontiers in Mechanical and Automobile Engineering (FAME 2020), Sathyabama Institute of Technology and Science, Chennai.
12. Tribological Analysis of Plasma Nitrided SS310 Steel Material for Different Process Parameters, 3<sup>rd</sup> International Conference on Frontiers in Mechanical and Automobile Engineering (FAME 2020), Sathyabama Institute of Technology and Science, Chennai.
13. Design and Analysis of Mechanical behaviour of marine structures with NiCr Alloy Coating, 2<sup>nd</sup> International Conference on Advances in Industrial Automation and Smart Manufacturing (ICAIASM 2019), Santhiram Engineering College, Nandyal, Andhra Pradesh.

- 14.** Evaluation of Mechanical Behavior of Recycled Discarded Plastics for Automobile Applications, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 15.** Fabrication of Modified Steering Mechanism for Physically Challenged People, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 16.** Design and Analysis of Rear wheel Scorpion Kart, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 17.** Investigation of Coated Fishing Hook for Marine Occupation, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 18.** Fabrication of Drone used for Medical Applications, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 19.** Analysis, Auditing and Utilization of Renewable Energies in Rural Areas, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 20.** Fabrication of Composite Gear Die using Discarded plastics, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 21.** Experimental Investigation of mechanical Properties of Discarded Sea Shell Bio Composite, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 22.** Investigation on Tribological Properties of Al/TiO<sub>2</sub> composites for Automobile Application, International Conference on Advances in Mechanical Engineering and Research (ICAMER 2k19).
- 23.** Analysis of Inorganic PCM for Solar Thermal Storage System for the Vapour Absorption Refrigeration System for Cooling Applications in INDO-Brazil International Conference on Advanced Materials and Manufacturing- ICAMM 2015 held in Cape Institute of Technology, Levigipuram.
- 24.** Evaluation of Mechanical Behavior of Multifilament Discarded Fishnet/Glassfiber and Polyester Composites for Marine Applications in INDO-Brazil International Conference on Advanced Materials and Manufacturing- ICAMM 2015 held in Cape Institute of Technology, Levigipuram.
- 25.** Enhancement of corrosion resistance on mild steel substrate exposed to marine environment Frontiers in Corrosion Control of Materials (FCCM -2018), NIT, Warangal.
- 26.** Investigation to enhance corrosion resistance properties of mild steel substrate by plasma spray coating technique with exposure periods in marine solution Emerging Trends in Engineering and Technology for Aerospace Applications(ASPIRE 2018) ISRO & RCET.
- 27.** Design and Analysis of Mechanical behaviour of marine structures with NiCr Alloy Coating Emerging Trends in Engineering and Technology for Aerospace Applications (ASPIRE 2018) ISRO & RCET.
- 28.** Discarded Fishnet Composites to Minimize Marine Pollution in National conference on Advances in Materials (AIM 2014) held in University College of Engineering, Nagercoil.
- 29.** Evaluation of Mechanical Behavior of Reused Nylon Fiber Composite Materials in National conference Marz Fezt'14 held in Loyola Institute of Technology and Science on March 2014.

**30.** Design and Analysis of Shell and Tube Heat Exchanger Using Stainless Steel for Shell and Chromium Oxide for Tubes in National conference held at Loyola Institute of Technology and Science on March 2014.

**31.** Convection Heat Transfer Characteristics of Nanofluids in National Conference Joule's Fezt 2015 held in Stella Mary's College of Engineering, Nagercoil.