

List of publications for Last 5 years

INTERNATIONAL JOURNAL

1. **M. Arockia Jaswin**, M.D.Antony Arul Prakash\*, K.Vignesh, (2015) Development and Analysis of Aluminium Hybrid Metal Matrix Composites, *International Journal of Advances in Engineering*, 2015, 1(3), 396 – 401
2. **M. Arockia Jaswin**, A.Vijayasekar, P.Purushothaman, S.Ramu, M.Sugumar, Development of Al-CNT Composite by Powder Metallurgy Method, *International Journal of Advances in Engineering*, 2015, 1(3), 362 – 366.
3. **M.Arockia Jaswin**, D. Mohan Lal, Effect of Cryogenic Treatment on Corrosion Resistance and Thermal Expansion of Valve Steels M., *International Journal of Engineering Technology, Management and Applied Sciences*, March 2015, Volume 3, Issue 3, ISSN 2349-4476
4. **M. Arockia Jaswin** and M.D. Antony Arul Prakash Effect of Cryogenic Treatment on the Mechanical Behavior of En8D Alloy Steel, *International Journal of Advances in Engineering*, 2015, 1(3), 222 – 227
5. M.D.Antony Arul Prakash, **M. Arockia Jaswin**, Evaluation of the Thermal Properties of Glass ‘e’ Fiber / Epoxy Resin Honeycomb Sandwich Composite, *International Journal of Advances in Engineering*, 2015, 1(3), 294 – 300
6. M.D.Antony Arul Prakash and **M. Arockia Jaswin**, Microstructural Analysis of Aluminium Hybrid Metal Matrix Composites Developed Using Stir Casting Process, *International Journal of Advances in Engineering*, 2015, 1(3), 333 – 339
7. K.Vignesh, U.Natarajan, **M.Arockia Jaswin** and M.D.Antony Arul Prakash, Optimization on Mechanical Behavior of Coconut Shell Powder and Coir Fiber Reinforced Polyester Composites using Grey – Taguchi Method, *Journal of Polymer Materials*, 2015, 32 (3), 291 – 304. **AU - 7219/ SCI 5892**
8. M.D.Antony Arul Prakash, B. Mohan, and **M.Arockia Jaswin**, Compressive behaviour of Glass Fabric/Epoxy honeycomb core sandwich composites, *International Journal of Materials, Manufacturing Systems Engineering and Management*, Volume 01, ISSUE 01, 2016, 42-47
9. **M. Arockia Jaswin**, D. Mohan La, (2018) Comprehensive analysis on the effect of deep cryogenic treatment on the mechanical behaviour of Martensitic valve steel, *Iranian Journal of Materials Science and Engineering*, 2016, Vol. 15, 1, pp 9-16. **UGC - 11920**
10. Maridurai T and **Arockia Jaswin M**, (2018) Characterization and synthesis of silver nanoparticles embedded in P Ani-PMo 12 Nanocomposites, *IOP Conference Series: Materials Science and Engineering*, Volume 402, 8) 012172 doi:10.1088/1757-899X/402/1/012172.
11. K, Vignesh; U, Natarajan; **Arockia Jaswin**; M D, Antony Arul Prakash, (2019) Influence of coir fiber diameter and length on mechanical behavior of coconut shell powder based polyester resin composites, *Journal of Testing and Evaluation, ASTM*, <https://doi.org/10.1520/JTE20170428>. **AU - 7480/ SCI 6062**
12. A Florence, **M Arockia Jaswin**, (2019), Vibration and flexural characterization of hybrid honeycomb core sandwich panels filled with different energy absorbing materials, *Materials Research Express*, Volume 6, No: 7, <https://doi.org/10.1088/2053-1591/ab1576>. **AU - 8165/ SCI 6584**
13. A Florence, **M Arockia Jaswin**, (2019), Effect of energy absorbing materials on the Mechanical behavior of Hybrid FRP honeycomb core sandwich composites, *Materials research innovation, Taylor and Francis*, <https://doi.org/10.1080/14328917.2019.1640497>. **UGC - 17201**

14. A Florence, **M Arockia Jaswin**, A Pal Pandi (2019) Drop-Weight Impact Behaviour of Hybrid Fiber/Epoxy Honeycomb Core Sandwich Composites under Hemi-Spherical Impactor, Fibers and Polymers, **Springer link** (Accepted for Publication 1/7/2019). **AU – 3865/ SCI 3211**

#### **INTERNATIONAL CONFERENCE**

1. **Arockia Jaswin. (2018)**, Characterization and synthesis of silver nanoparticles embedded in P Ani-PMo 12 Nanocomposites, 2nd International Conference on Advances in Mechanical Engineering (ICAME-2018), 22<sup>nd</sup> – 25th MARCH 2018, SRM Institute of Science and technology, Chennai.
2. **Arockia Jaswin. (2018)**, 3rd International conference on Innovative Design, Analysis and Development Practices in Aeronautical and Automobile Engineering" (IDAD 2018), 22<sup>nd</sup> – 24<sup>th</sup> Feb 2018, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
3. Presented a paper in International Conference on ‘Tensile behavior of Cryogenic treated En8D Alloy Steel’, NCATIMME, Lord Jegannath College of Engg. & Tech. Nagarcoil.
4. Presented a paper in International Conference on ‘Experimental Investigation on the Tensile behavior of Friction Stir Welded 6063 & 6069 Aluminium Alloys’, NCETME, Lord Jegannath College of Engg. & Tech. Nagarcoil.
5. Presented a paper in International Conference on ‘Experimental Investigation on the Flexural behavior of Friction Stir Welded 6063 & 6069 Aluminium Alloys’, ERME, Chendu College of Engg. & Tech, Madurantakam.
6. Presented a paper in International Conference on ‘Experimental Analysis to determine the convective Heat Transfer Co-Efficient of Nano fluids’, ICAMCE, Rajas College of Engg., Tirunelveli.
7. Presented a paper in International Conference on ‘Analysis the effect of Cryogenic treatment on the Hardness of En52 Valve Steel’, SLCATME, Lord Jegannath College of Engg. & Tech. Nagarcoil.
8. Presented a paper in International Conference on ‘Advances in Materials and Materials Processing AMMP-15’, Karunya University, Coimbatore.

#### **NATIONAL CONFERENCE**

1. **M.ArockiaJaswin. (2015)** ‘Experimental Investigation on the Flexural behavior of Friction Stir Welded 6063 & 6069 Aluminium Alloys’, ERME, Chendu College of Engg. & Tech, Madurantakam.