

| Sl. No. | Name with full address | Area of specialization |
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| Panel Member from other University/Institution | | |
| 5. | Name : Dr. J. Lilly Mercy Designation : Assistant Professor Department : Mechanical Engineering Address : Sathyabama university, Jeppiaar Nagar, SH 49A, Chennai, Tamil Nadu 600119 Mobile : 9940319604 E-mail : lillymercy.pro@sathyabama.ac.in | Composites Manufacturing Smart materials Self healing materials |

| List of Publications for last 5 years | |
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| 1. | Raja, S., Prakash, S., Venkatesh, S., Gokulnath, R., Lilly Mercy, J, “Experimental investigation of castor oil and methanol powered DI-CI engine with thermal barrier coated piston” <i>International Journal of Vehicle Structures and Systems</i> , Vol.11, No.4, 2020 |
| 2. | Sivashankari, P., Kavitha, K.R., Lilly Mercy, J., Krishnamoorthy, A., Prakash, S, “Modeling of automotive radiator by varying structure of fin and coolant” , <i>International Journal of Recent Technology and Engineering</i> , Vol. 8, No.2, 2019. |
| 3. | Sangeetha, M., Prakash, S., Valarmathi, T.N., Lilly Mercy, J., Siva, R, “Instinctive behavior of replacing large percentage of carbon with banana fiber”, <i>International Journal of Recent Technology and Engineering</i> , Vol. 8, No.2, 2019. |
| 4. | Lilly Mercy, J., Prakash, S., Palanikumar, K., Akshay Kumar, B., Venugopal Reddy, D., “Comparison & Multiresponse optimisation of drilling characteristics of bovine bones with varying density”, <i>Materials Today: Proceedings</i> , Volume 16, Part 2, Pages 918-926 2019 |
| 5. | Prakash, S., Lilly Mercy, J., Palanikumar, K., Teja, P.V.S., Tanvir, M.S, “Empirical modeling of roughness parameters in drilling composites a response surface approach”, <i>Materials Today: Proceedings</i> , Volume 16, Part 2, 2019, Pages 1117-1123 |
| 6. | Raja, S., Prakash, S., Gokulnath, R., Krishnamoorthy, A., Lillymercy, J, “PCM based thermal energy storage system integrated with solar parabolic trough collector”, <i>Journal of Engineering Science and Technology</i> , 9th Eureka 2017, Special issue, pp. 40-51. 2018. |
| 7. | J.Lilly Mercy, S.Prakash, “Investigation on the Dynamic Mechanical properties of Self healing Glass Fibre Reinforced Plastic”, <i>International Journal of vehicle structures and systems</i> , 2017, Vol.9, No.2, pp.113-116. |
| 8. | J.Lilly Mercy, Mohamed Shaqir Tanvir, K.Swaroopkanth, “Experimental Investigation and Taguchi Optimisation of drilling properties on Teak wood reinforced epoxy resin, <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, Vol.197, 012063. |
| 9. | Jayachandran, Hariarjun, Lilly Mercy,J, “A study on hair and coir reinforced polymer composite”, <i>International Journal of ChemTech Research</i> , Vol. 9, No.4, 2016,pp.357-363. |
| 10. | J.Lilly Mercy, S.Prakash, “Self healing Composite Materials: A review”, <i>International Journal of ChemTech Research</i> , Vol. 9, No.3, 2016,pp.316-324. |
| 11. | A.Krishnamoorthy, J.Lilly Mercy, K.S.M.Vineeth, Manoj Kumar Salugu, “Delamination Analysis of Carbon Fibre Reinforced Plastic Composite plates by Thermographic technique”, <i>Materials Today Proceedings</i> , Vol.2, 2015, pp.3132-3139. |
| 12. | S.Prakash, J.Lilly Mercy, Manoj Kumar Salugu, K.S.M.Vineeth, “Optimisation of drilling characteristics using Grey Relational Analysis in Medium Density Fiber board”, <i>Materials Today Proceedings</i> , Vol.2, 2015, pp. 1541-1551. |
| 13. | P.Vijayalakshmi, J.Lilly Mercy, “Failure Analysis and Redesign of Tractor brake actuating link”, <i>Indian Journal of Science and Technology</i> , Vol.8(11), June 2015. |
| 14. | PremKumar.N, Lilly Mercy.J, “Experimental investigation and Analysis of the mechanical properties of wood reinforced polymer composites”, <i>International Journal of Applied Engineering Research</i> , Vol.10, No.8, 2015, pp. 19159-19165. ISSN-0973-4562. ripublications. |
| 15. | Senguttuvan.N, Lilly Mercy.J, “Joint strength analysis of single lap joint in Glass fibre composite material”, <i>International Journal of Applied Engineering Research</i> , Vol.10, No.7, |

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