Dr.D.Ravindran

Professor in Mechanical Engineering National Engineering College Kovilpatti -628 503

Email: ravinec85@gmail.com
Mobile Number: +91 7397061880

Resaerch Area: Natural Fibre Composites

Publications:

- 1. Arul Marcel Moshi, A., Ravindran, D., Sundara Bharathi, S.R., Padma, S.R., Indran, S., Divya, D., "Characterization of natural cellulosic fiber extracted from Grewia damine flowering plant's stem", International Journal of Biological Macromolecules, 164, pp. 1246-1255, (2020)
- 2. Arul Marcel Moshi, A., Ravindran, D., Sundara Bharathi, S.R., Indran, S., Suganya Priyadharshini, G., "Characterization of surface-modified natural cellulosic fiber extracted from the root of Ficus religiosa tree", International Journal of Biological Macromolecules, 156, pp. 997-1006, (2020)
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- 5. Moshi, A.A.M., Ravindran, D., Bharathi, S.R.S., Indran, S., Saravanakumar, S.S., Liu, Y.," Characterization of a new cellulosic natural fiber extracted from the root of Ficus religiosa tree", International Journal of Biological Macromolecules, 142, pp. 212-221, (2020)
- 6. Arul Marcel Moshi, A., Ravindran, D., Sundara Bharathi, S.R., Suganthan, V., Kennady Shaju Singh, G.," Characterization of New Natural Cellulosic Fibers-A Comprehensive Review", IOP Conference Series: Materials Science and Engineering, 574(1), (2019)
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- 9. Arul Selvan, S., Ravindran, D., Arul Marcel Moshi, A., Prince, D., "Optimization of surface roughness, material removal rate and taper error for wirecut electrical discharge machined taper parts of inconel 825 alloy", Journal of the Balkan Tribological Association, 25(4), pp. 1028-1037 (2019)
- 10. Venkatkumar, D., Ravindran, D., "Effect of Boundary Conditions on Residual Stresses and Distortion in 316 Stainless Steel Butt Welded Plate", High Temperature Materials and Processes, 38(2019), pp. 827-836, (2019).
- 11. Vignesh Kumar, D., Ravindran, D., Lenin, N., Siva Kumar, M., "Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm", Proceedings

- of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 233(1), pp. 18-38,(2019).
- 12. Venkatesan, S., Ravindran, D., "Comprehensive analysis and optimization of wire electric discharge machining of graphite reinforced aluminium metal matrix composite", Journal of the Balkan Tribological Association, 233(1), pp. 18-38, (2018).
- 13. Venkatkumar, D., Ravindran, D., Selvakumar, G., "Finite Element Analysis of Heat Input Effect on Temperature, Residual Stresses and Distortion in Butt Welded Plates", Materials Today: Proceedings, 5(2), pp. 8328-8337, (2018).
- 14. Irullappasamy, S., Ravindran, D., "Combined effect of nano clay and fibre surface treatment on mechanical behaviours of Palmyra fruit fibre/MMT clay reinforced polyester hybrid composite", International Journal of Computer Aided Engineering and Technology, 10(1-2), pp. 26-34, (2018).
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- 17. Rajakumar, S., Ravindran, D., Sivakumar, M., Venkatachalam, G., Muthukumar, S., "Optimization of Power Coefficient of Wind Turbine Using Genetic Algorithm", Journal of The Institution of Engineers (India): Series C, 98(2), pp. 111-118, (2017).
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