

DATA FOR ANNA UNIVERSITY DC MEMBER

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5. Area of Interest : Thermal heat Transfer, welding metallurgy

DETAILS OF JOURNAL PUBLICATIONS

2020

1. **Prabu, S. Senthur**, et al. "COMBUSTION, PERFORMANCE AND EMISSION BEHAVIOR OF SOAP-NUT OIL BIODIESEL/DIESEL BLENDS IN DI DIESEL ENGINE WITH DIETHYL-ETHER ADDITIVE." COMBUSTION 7.15: 2020.
2. **Prabu, S. Senthur**, et al. "Effect of titanium on dry sliding wear behavior of hot forged P/M low alloy steels." Materials Today: Proceedings 22 (2020): 1380-1389

2019

3. Asokan, M. A., **S. Senthur Prabu**, Pushpa Kiran Kumar Bade, Venkata Mukesh Nekkanti, and Sri Sai Gopal Gutta. "Performance, combustion and emission characteristics of juliflora biodiesel fuelled DI diesel engine." Energy 173 (2019): 883-892.
4. Asokan, M. A., **Prabu, S. S.**, Bade, P. K. K., Nekkanti, V. M., & Gutta, S. S. G. (2019). Performance, combustion and emission characteristics of juliflora biodiesel fuelled DI diesel engine. Energy, 173, 883-892.
5. **Prabu, S. Senthur**, K. Devendranath Ramkumar, and N. Arivazhagan. "Investigation on the fusion zone microstructures and mechanical integrity of AISI 904L and Inconel 625 weld joints." Materials Research Express 6.8 (2019): 086540.
6. **Prabu, S. Senthur**, et al. "Failure evaluation of SA 210C riffle water wall tubes in 70 MW CFBC boiler." Engineering Failure Analysis 95 (2019): 239-247.
7. **Prabu, S. Senthur**, K. Devendranath Ramkumar, and N. Arivazhagan. "Effect of hot corrosion on the bimetallic joints employed in the coal-fired boiler." Materials Research Express 6.11 (2019): 116511.
8. **Prabu, S. Senthur**. "Investigating the influence of titanium on wear characteristics of P/M hot extruded alloy steels." Materials Research Express 6.10 (2019): 106548.

9. Asokan, M. A., **S. Senthur Prabu**, Pushpa Kiran Kumar Bade, Venkata Mukesh Nekkanti, and Sri Sai Gopal Gutta. "Performance, combustion and emission characteristics of juliflora biodiesel fuelled DI diesel engine." *Energy* 173 (2019): 883-892.

2018

10. **Prabu, S. Senthur**, et al. "Effect of additives on performance, combustion and emission behavior of preheated palm oil/diesel blends in DI diesel engine." *Renewable Energy* 122 (2018): 196-205.
11. Asokan, M. A. "**Senthur prabu, S.**; Kamesh, S.; Khan, W. Performance, combustion and emission characteristics of diesel engine fuelled with papaya and watermelon seed oil bio-diesel/diesel blends." *Energy* 145 (2018): 238-245.
12. **Prabu, S. Senthur**, et al. "Experimental Study on Performance of Steam Condenser in 600MW Singareni Thermal Power Plant." *International Journal of Mechanical Engineering and Technology* 9.3 (2018).
13. **Prabu, S. Senthur**, et al. "Experimental study on dry sliding wear characteristics of sintered/forged plain carbon steel (Fe-1% C) with the addition of Titanium." *Materials Today: Proceedings* 5.5 (2018): 12551-12558.

2017

14. **Prabu, S. Senthur**, et al. "Performance, combustion and emission characteristics of diesel engine fuelled with waste cooking oil bio- diesel/diesel blends with additives." *Energy* 122 (2017): 638-648.
15. **Prabu, S. Senthur**, K. Devendranath Ramkumar, and N. Arivazhagan. "Microstructural evolution and precipitation behavior in heat affected zone of Inconel 625 and AISI 904L dissimilar welds." *Mater. Sci. Eng* 263 (2017): 062073.
16. **Prabu, S. Senthur**, K. Devendranath Ramkumar, and N. Arivazhagan. "Effect of filler metals on the mechanical properties of Inconel 625 and AISI 904L dissimilar weldments using gas tungsten arc welding." *Mater Sci Eng* 263 (2017): 062072.
17. **Prabu, S. Senthur**, et al. "Influence of Tungsten on dry sliding wear behaviour of sintered/hot extruded P/M alloy steels (Fe-CW-Ti)." *Materials Research* 20.4 (2017): 1050-1056.

2016

18. Asokan, M. A., R. Vijayan, **S. Senthur Prabu**, and N. Venkatesan. "Experimental studies on the combustion characteristics and performance of a DI diesel engine using kapok oil methyl ester/diesel blends." *International Journal of Oil, Gas and Coal Technology* 12, no. 1 (2016): 105-119.

2015

19. **Prabu, S. Senthur**, and M. A. Asokan. "A study of waste heat recovery from diesel engine exhaust using phase change material." *Int. J. Chem. Tech. Res* 8 (2015): 711-717.