

## CENTRE FOR RESEARCH



ANNA UNIVERSITY, CHENNAI – 600 025

### LIST OF PUBLICATIONS OF DC MEMBER



Name of the Scholar : Pradeep Kumar S L

Programme : Ph.D. (PT)

Research Topic : Design and Construction of Shock Tunnel Capable of Generating Shockwaves for Engineering Applications.

Name of the Supervisor: Dr. J. Maniraj / 2420222

Name of the Member : Dr. M. Prince.

S.No	Title	Year of Publication
1	Gopinath, S., Prince Muthiah, R. Vasanth, and J. Nihadeen. "Optimization and validation of process parameters on compression molded activated charcoal-Epoxy composites for fuel cell bipolar plates." In AIP Conference Proceedings, vol. 2270, no. 1, p. 040012. AIP Publishing LLC.	2020
2	Muthiah, Prince, SA Sri Akilan, A. Sugumar, S. Sasidhar, and N. S. Vishnuram. "Design of single drive transmission system for mecanum wheels." In AIP Conference Proceedings, vol. 2271, no. 1, p. 030033. AIP Publishing LLC.	2020
3	Suryaraj, G., M. Prince, and J. Maniraj. "Diffusion Borocarburing of Steels." Sivakumar, T., M. Prince, and P. Gopalakrishnan. "Toughness study of Borided, Borided and induction modified AISI 4340 steel." MS&E 764, no. 1 (2020): 012022.	2020
4	Gopinath, S., M. Prince, and G. R. Raghav. "Enhancing the mechanical, wear and corrosion behaviour of stir casted aluminium 6061 hybrid composites through the incorporation of boron nitride and aluminium oxide particles." Materials Research Express 7, no. 1 (2020): 016582.	2020
5	Prince M and Mohan Kumar R S Vinayaganoorthi M A. "A Research on Friction Stir Welding using M42 Tool on AISI 1018 Steel Plates". International Journal of Innovative Technology and Exploring Engineering. 2019/10.	2019
6	Prince, Muthiah, and A. Justin Thanu. "The Effects of Boriding and Heating on the Ductility, Strength, and Toughness of Aisi 1045 Steel." High Temperature Material Processes: An International Quarterly of High-Technology Plasma Processes 23, no. 2 (2019).	2019

7	Raj, G. Surya, N. Sangeetha, and M. Prince. "Experimental and Computational Investigations of Vertical Axis Wind Turbine Enclosed with Flanged Diffuser." (2018).	2018
8	Prince, M., S. L. Arjun, G. Surya Raj, and P. Gopalakrishnan. "Experimental investigations on the effects of multicomponent laser boriding on steels." <i>Materials Today: Proceedings</i> 5, no. 11 (2018): 25276-25284.	2018
9	Prince, M., A. Justin Thanu, S. L. Arjun, U. Velmurugan, and P. Gopalakrishnan. "Fracture Microindentation on boride layers on AISI 1020 steel." In <i>IOP Conf. Ser. Mater. Sci. Eng.</i> , IOP Publishing, vol. 114, no. 1, p. 12105. 2016.	2016
10	Prince, M. "Some studies on laser boriding of nickel and chromium electroplated AISI 1020 steel."	2014
11	Sivakumar, T., M. Prince, and P. Gopalakrishnan. "Induction surface modification of borided AISI 4340 steel." <i>International Journal of Applied Engineering Research</i> 9, no. 22 (2014): 17425-32.	2014