

## Faculty Profile



### Dr. PRASAD C.

Assistant Professor (SG) ,  
Department of Automobile Engineering,  
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Total Experience (in years): 7+

Research Area: Experimental and Computational Fluid Dynamics,  
Flow visualization, Bubble flow, Fuel Spray and Droplet dynamics,  
Internal combustion engines, Renewable energy.

### Recent Publications:

- Sathyamurthy, R., Chandran, P., Prakash, N. (2021). "Numerical Analysis of nano particle based coolants in Automobile Radiator" (No. 2021-01-0819). SAE Technical Paper.
- Prakash, N., Vuppala, G. K., Maddineni, A. B. P. R., Narra, G., Bhimavarapu, C. R., Chandran, P., Sathyamurthy, R. (2020). "Investigation on structural analysis of a regenerative shock absorber using nylon material"., Materials Today Proceedings
- Jagankumar, K. R., Prakash, N., Prasad, C., Shridhar, V. A., Singh, M. D., Sathyamurthy, R. (2020, December). "An experimental investigation on single cylinder RCCI engine fuelled with diesel/petrol. In Journal of Physics": Conference Series (Vol. 1706, No. 1, p. 012200). IOP Publishing.
- Kabeel, A. E., RavishankarSathyamurthy, Swellam W. Sharshir, A. Muthumanokar, Hitesh Panchal, N. Prakash, C. Prasad, S. Nandakumar, and M. S. El Kady, "Effect of water depth on a novel absorber plate of pyramid solar still coated with TiO<sub>2</sub> nano black paint". Journal of Cleaner Production 213 (2019): 185-191
- Kabeel AE, Prakash N, Prasad C, S Nandakumar, RavishankarSathyamurthy "Investigational study on PV panel submerged in the basin of conventional solar still with cover cooling". 5th International Conference on Scientific Research ISR-2019, Tanta, Egypt, 26-29 March 2019.
- Kabeel AE, Kabeel, AbdElnaby, ElSayedElAgouz, Nakka Prakash, Chandran Prasad, RavishankarSathyamurthy, AthikesavanMuthuManokar "Performance analysis of spiral and serpentine tube solar collector with carbon nanotube nanofluids under natural flow method". Heat Transfer Asian Research (2019).
- Taamneh, Yazan, AthikesevanMuthumanokar, AbdElnabyKabeel, El-Sayed El-Agouz, RavishankarSathyamurthy, Prakash Nakka, and Prasad Chandran "Experimental Analysis of Inclined Solar Water Heater with Baffles". Chemical Engineering Transactions 71 (2018): 1339-1344.
- Prasad Chandran, ShamitBakshi and Dhiman Chatterjee, "Study on the characteristics of hydrogen bubble formation and its transport during electrolysis of water". Chemical Engineering Science 138 (2015): 99-109