

## Published Papers in Journals

S No	
1	Prediction of direct and global solar irradiance using broadband models: Validation of REST model, Int. J. Renewable Energy; Vol. 31, pp 1253-63, 2006
2.	Computation of beam solar radiation at normal incidence using artificial neural network, Int. J. Renewable Energy; Vol. 31, pp 1483-1491, 2006
3.	Computation of monthly mean hourly global solar radiation from daily totals, Int. J. Energy and Environment; Vol. 6, pp 10-17, 2007
4.	Assessment of the diffuse solar energy under general sky condition using artificial neural network, Int. J. Applied Energy; Vol 86, pp 554-564, 2009
5.	A case study to fulfil the requirement of low income group (LIG) house by installing PV panel, Int J of Scientific Research; Vol. 1, issue 4, 2012
6.	Study of side view mirrors design on the fuel consumption of a car, Global Sci-Tech; Vol. 6; 4; 2014
7.	CFD approach to design and optimization of air, flue gas ducting system, International Journal of Advance Engineering and Research Development (IJAERD); volume 2; issue 5, May 2015
8.	Study of subcritical, super critical and ultra super critical thermal power plant, , International Journal of Advance Engineering and Research Development (IJAERD); volume 2; issue, July 2015
9.	Design of a solar plug-in hybrid vehicle, , International Journal of Advance Engineering and Research Development (IJAERD); volume 2; issue, July 2015
10.	Analysis of solar powered D C air conditioning system, International Journal of Scientific and Research Publications, volume 6, issue 4, April 2016
11.	Mathematical analysis solar water pumping system for low income group flats, international journal of mechanical engineering and technology (IJMET), Volume 8, Issue 5, May 2017,pp 811–817, Article ID: IJMET_08_05_088, <a href="http://www.iaeme.com/IJMET">http://www.iaeme.com/IJMET</a>
12	Life cycle analysis of multi-split Variable Refrigerant Flow (VRF) system : case study, Invertis Journal of Renewable Energy, Vol. 7, No. 3, 2017 ; pp. 165-170, DOI No. : 10.5958/2454-7611.2017.00023.6
13.	Study of CFD approach to discretise first derivative of partial differential equation, Invertis Journal of Renewable Energy, Vol. 7, No. 3, 2017, pp. 142-146, DOI No. : 10.5958/2454-7611.2017.00020.0

### Full Papers in Conference Proceedings

S No	Title with page nos. and date of publication	Detail of Conference Publication
1.	An empirical correlation for estimating hourly global radiation from daily global values for Indian regions, pp 179-185, Jan 23-24, 2004	Int. Conference on Energy & Environment Strategies for sustainable for sustainable development (ICEE-SSD) Department of Mech Engg F/O Engg & Tech JMI New Delhi
2.	Thermal performance of grooved configuration solar air Heater, pp 394-399, September 16-17, 2006	National conf. on Advances in Heat Transfer and Fluid Dynamics, Dept of Mechanical Engg, A M U Aligarh
3.	A Proposed Model for Utilizing Exhaust Heat to run Automobile Air-conditioner, E-011 (P), November 21-22, 2006	The 2 <sup>nd</sup> Joint International Conference on Sustainable Energy and Environment (SEE 2006)
4.	Thermal Performance of V-grooved double pass solar air heater, pp 56-59, February 7-9, 2007	3 <sup>rd</sup> International Conference on Solar Radiation and Day Lighting, (Solaris 2007), I.I.T. Delhi (India)
5.	Design and development of Noryl solar air heater, pp187- 190, December 12-14, 2007	Int. Conf. (ICAER 2007), I I T Bombay
6.	Simulation of monthly mean daily global solar radiation from cloud cover using Fuzzy inference system, pp 360-365, December 12-14, 2007	Int. Conf. (ICAER 2007), I I T Bombay
7.	Design of shell and tube type steam condenser using MATLAB, pp 42-45, April 16, 2015	National Conference on advance in Mechanical Engineering, NCAME-15, AL-FALAH University, Faridabad
8.	Comparative study of sub critical and super critical pulverized coal fired thermal power plant pp. 64- 68, April 16, 2015	National Conference on advance in Mechanical Engineering, NCAME-15, AL-FALAH University, Faridabad
9.	Energy audit of gas based combined cycle power plant and analysis for energy efficiency improvement, pp. 180-188, April 16, 2015	National Conference on advance in Mechanical Engineering, NCAME-15, AL-FALAH University, Faridabad

**Papers presented in Conferences, Seminars**

S. No.	Title of paper presented with date	Title of Conference/ Seminar held on	Organised by
1.	Response of Two-Degree of freedom system with cubic nonlinearities subjected to a harmonic excitation	Fourth Annual Conference of the Indian Society of Industrial and Applied Mathematics (ISIAM), April 6-8, 1996	Int. Conf. Department of Mathematics Jamia Millia Islamia New Delhi
2.	Study of side view mirrors design on the fuel consumption of a car	International Conference on advancements in Mechanical Engineering (ICAME)-August 7-8, 2014	Int. Conf. Department of Mech Engg AL-FALAH University Haryana
3.	Design of shell and tube type steam condenser using MATLAB, pp 42-45, April 16, 2015	National Conference on advance in Mechanical Engineering, NCAME-15, AL-FALAH University, Faridabad	Mechanical Engineering, NCAME-15, AL-FALAH University, Faridabad