

# Publications

## International Journals:

1. Arun Kumar and S.K. Shukla (2018): Heat loss analysis: An approach toward the revival of parabolic dish type solar cooker, International Journal of Green Energy, DOI: 10.1080/15435075.2018.1423978, ISSN: 1543-5075 , page number 1543-5083. (Sci Expanded)
2. Arun Kumar and S.K.Shukla (2018), “Thermal Performance Analysis of Helical Coil Solar Cavity Receiver Based Parabolic Trough Concentrator” Thermal science - a scientific journal (Sci Expanded)

## Chapter of a book:

1. Arun Kumar and S.K.Shukla (2017), Solar Thermal Energy Storage, chapter accepted in CRC press Taylor & Fransis Group, Encyclopedia of energy engineering and technology volume-1 Second Edition.

## International Conferences:

### Abroad:

1. Arun Kumar and S.K.Shukla , A review on thermal energy storage unit for solar thermal power plant application, energy procedia, (paper presented at international conference on technology and materials for renewable energy, environment and sustainability, TMREES, Beirut, Lebanon, April 17-20, 2015) (Elsevier, Scopus)

### In India:

1. Arun Kumar and S.K. Shukla, Analysis and performance of ORC based solar thermal power plant using benzene as a working fluid, 3<sup>rd</sup> International Conference on Innovations in Automation and Mechatronics Engineering, ICIAME 2016, Proce-

dia Technology 23 ( 2016 ) 454 – 463 (Elsevier)

2. Arun kumar and S.K. Shukla, Passive cooling model of a passenger car, Proceedings of the India International Science Festival- Young Scientists' Meet Department of Science and Technology, Government of India – Dec 4-8, (2015) Paper Code: Green 115.

**Communicated Papers:**

1. Arun Kumar and S.K. Shukla, Experimental and Numerical Analysis of a Helical Coil Solar Cavity Receiver: Thermal Oil as the Heat Transfer Fluid, International Journal of Green Energy (Taylor and Fransis)
2. Arun Kumar and S.K. Shukla, thermal performance analysis of nano enhanced organic phase change material for solar thermal energy storage application, “Thermal Performance Analysis of Helical Coil Solar Cavity Receiver Based Parabolic Trough Concentrator” Thermal science - a scientific journal.