

Samir Hassani

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Education:

PhD degree, University of Malaya, Malaysia

Master degree, University of Bejaia, Algeria

Bachelor degree, University of Bejaia, Algeria

Teaching:

Applied Thermodynamic

Numerical Modelling of Heat Transfer

Aerospace Engineering

Brief Employment History:

University of Malaya, Research Assistant

University of Bejaia, Teaching Assistant

Research Interests:

Energy Efficiency

Nanofluid-based PV/T Solar Collector

Mathematical Modelling of Thermophysical Properties of Nanofluids

Selected Publications:

1. **Hassani S**, Saidur R, Mekhilef S, Taylor RA. “Environmental and exergy benefit of nanofluid-based hybrid PV/T systems”. *Energy Conversion and Management*. 2016; 123(0): 431-444. Q1, IF: 4.80
2. **Hassani S**, Taylor R.A, Mekhilef S, Saidur R. “A cascade nanofluid-based PV/T system with optimized optical and thermal properties”. *Energy*. 2016; 113(0):1-13. Q1, IF: 4.29
3. MA Sabiha, R Saidur, **Hassani S**, Z Said, Saad Mekhilef. “Energy performance of an evacuated tube solar collector using single walled carbon nanotubes nanofluids”. *Energy Conversion and Management*. 2015; 105(0): 1377-1388. Q1, IF: 4.80
4. **Hassani S**, Saidur R, Mekhilef S, Hepbasli A. “A new correlation for predicting the thermal conductivity of nanofluids; using dimensional analysis”. *International Journal of Heat and Mass Transfer*. 2015; 90(0):121-130. Q1, IF: 2.85
5. Sajid Hossain M, Saidur R, Mohd Sabri MF, Said Z, **Hassani S**. “Spotlight on available optical properties and models of nanofluids: A review”. *Renewable and Sustainable Energy Reviews*. 2015; 43(0):750-762. Q1, IF: 6.79
6. **Hassani S**, Mekhilef S, Saidur R, Taylor RA. “Nanofluid based solar energy harvester”. Patent number: PI 2016701779, 2016.