

Professor Dr. Saidur Rahman

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**Education:**

Ph.D degree, University of Malaya, Malaysia

Master degree, University of Malaya, Malaysia

Bachelor degree, Bangladesh University of Engineering and Technology (BUET), Bangladesh

**Teaching:**

Thermodynamics

Renewable Energy

Energy efficiency

**Brief Employment History:**

King Fahd University of Petroleum & Minerals: Chair Professor

University of Malaya: Professor

**Research Interests:**

Solar Thermal

Energy Efficiency

Thermo-fluids

**Selected Publications:**

1. M.A.Kibria, **R. Saidur**, F.A. Al-Sulaiman, Md Maniruzzaman A. Aziz, Development of a Thermal Model for a Hybrid Photovoltaic Module and Phase Change Materials Storage Integrated in Buildings, Solar Energy, Vol. 124 (2016), pp. 114-123

2. M. A. Sabiha , **R. Saidur**, R. M. Mostafizur , Saad Mekhilef , Experimental Investigation of Thermo Physical Properties of Single Walled Carbon Nanotube Nanofluids, *International Journal of Heat and Mass Transfer*, 93 (2016) 862–871
3. Z. Said, **R. Saidur**, M.A. Sabiha, A. Hepbasli, N.A. Rahim, Energy and Exergy Efficiency of a flat plate solar collector using pH treated Al<sub>2</sub>O<sub>3</sub> nanofluid, *Journal of Cleaner Production*, 112 (2016) 3915-3926
4. Boharb, A. Allouhi, **R. Saidur**, T. Kousksou, A. Jamil, Y. Mourad , A. Benbassou, Auditing and analysis of energy consumption of an industrial site in Morocco, *Energy*, 101, (2016) pp. 332-342.
5. Allouhi, T. Kousksou, A. Jamil, Y. Agrouaz, T. Bouhal, **R. Saidur**, A. Benbassou, Performance evaluation of solar adsorption cooling systems for vaccine preservation in Sub-Saharan Africa, *Applied Energy*, 170 (2016) 232–241.
6. Samir Hassani, **R. Saidur**, Saad Mekhilef, Robert A. Taylor, Environmental life cycle exergy analysis of a PV/T hybrid system operated with nanofluids, *Energy Conversion and Management*, (2016) pp. 431-444
7. Mohammed Mumtaz A. Khan, Nasiru I. Ibrahim, **R. Saidur**, I. M. Mahbulul, Fahad A. Al-Sulaiman, Performance Assessment of a Solar Powered Ammonia–Water Absorption Refrigeration System with Storage Units, *Energy Conversion and Management*, 126, (2016) pp. 316-328
8. M. A. Sabiha , **R. Saidur**, S. Hassani, Z. Said, Saad Mekhilef , Energy Performance of an Evacuated Tube Solar Collector using Single Walled Carbon Nanotubes Nanofluids, *Energy Conversion and Management*, 105 (15) (2015) 1377–1388.
9. M.C. Barma, M. Riaz, **R. Saidur** , B.D. Long Estimation of thermoelectric power generation by recovering waste heat from Biomass fired thermal oil heater, *Energy Conversion and Management*, 98 (2015) pp. 303-313.
10. Ali Ijam, **R. Saidur**, P. Ganesan , A. Moradi Golsheikh, Stability, thermo-physical properties, and electrical conductivity of graphene oxidized ionized water/ethylene glycol based nanofluid, *International Journal of Heat and Mass Transfer*, 87 (2015) 92–103
11. M.H. Mahfuz, M.R. Anisur, M.A. Kibria, **R.Saidur**, I.H.S.C. Metselaar, Performance investigation of thermal energy storage system with phase change material (PCM) for solar water heating application, *International Communications in Heat and Mass Transfer*, Vol. 57 (2014), *Pages 132-139*.
12. **R. Saidur**, M.T. Sambandam, M. Hasanuzzaman, D. Devaraj, S. Rajakarunakaran, An analysis of actual energy savings in an Indian cement Industry through energy efficiency index, *International Journal of Green Energy*, Vol. 9 (8), 2012, pp. 829-840.
13. **R Saidur**, M. Hasanuzzaman and NA Rahim, Energy, economic and environmental analysis of the Malaysian industrial compressed-air systems, *Clean Technology and Environmental Policy*, 14(2), 2012, 195-210.
14. M. Thirugnanasambandam, M. Hasanuzzaman, **R. Saidur**, M.B. Ali, S. Rajakarunakaran, D. Devaraj, N.A Rahim, An analysis of electrical motors load factors and energy savings in an Indian cement industry, *Energy*, 36 (7), (2011) pp. 4307-4314.