Curriculum Vitae

Dr. Chandan Sharma

Associate Professor & Head

Department of Mechanical Engineering, Govt. Engineering College, Ajmer,
Badliya Circle, NH-8, Ajmer – 305002,
Rajasthan, India.
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Educational Qualification

- Ph.D. entitled "Techno-Economics of Solar Thermal Generation in India" from Centre for Energy Studies, Indian Institute of Technology, Delhi in February 2016.
- M. Tech. from National Institute of Technical Teachers Training & Research in 2010 with Honors.
- B.E. (Mechanical Engineering) from Engineering College, Kota (Now, University College of Engineering, Kota) affiliated to University of Rajasthan, Jaipur in 1998 with Honors.

Teaching Experience

18 years as Assistant Professor in Mechanical Engineering Department at Govt. Engineering College, Ajmer (DOA: June 7, 1999).

Course Taken (B.Tech level)

Renewable Energy Technologies, Power Generation, Design of Machine Elements, Theory of Machines, Machine Drawing etc.

Research Area

Techno-economics of Renewable Energy Systems, Concentrating Solar Power Technologies. Optical and thermal performance of Solar Energy Technologies, Testing of Solar Thermal Devices.

Publications in International Journals/Conferences:

1. Sharma, C., Sharma, A. K., Mullick, S. C., Kandpal, T. C., 2015. "Assessment of solar thermal power generation potential in India". Renewable and Sustainable Energy Reviews, 42, 902-912.
2. Sharma, C., Sharma, A. K., Mullick, S. C., Kandpal, T. C., 2015. "Solar Thermal Power Generation in India: Effect of Potential Incentives on Unit Cost of Electricity". International Journal of Sustainable Energy, 1-16.
3. Sharma, C., Sharma, A. K., Mullick, S. C., Kandpal, T. C., 2016. "A Study of the Effect of Design Parameters on the Performance of Linear Solar Concentrator based Thermal Power Plants in India". Renewable Energy, 87, 666-675.

4. Sharma, C., Sharma, A. K., Mullick, S. C., Kandpal, T. C., 2015. "Identifying Optimal Combinations of Design DNI, Solar Multiple and Storage Hours for Parabolic Trough Power Plants for Niche Locations in India". Energy Procedia, 79, 61-66.
5. Sharma, C., Sharma, A. K., Purohit, I., Mullick, S. C., Kandpal, T. C. "Choice of solar radiation data source for designing and performance appraisal of CSP systems in India: Comparing available radiation data sources". International Journal of Ambient Energy (*In Press*)
6. Sharma, C., Sharma, A. K., Mullick, S. C., Kandpal, T. C. "Uncertainty in estimating renewable energy utilization potential: A case of solar thermal power generation in India". International Journal of Ambient Energy (*In Press*)
7. Sharma, A.K., Sharma, C., Mullick, S.C., Kandpal, T.C., 2015. "Carbon mitigation potential of solar industrial process heating: Paper industry in India". Journal of Cleaner Production, 112, 1683–1691.
8. Sharma, A.K., Sharma, C., Mullick, S.C., Kandpal, T.C., 2015. "Potential of Solar Energy Utilization for Process Heating in Paper Industry in India: A Preliminary Assessment". Energy Procedia, 79, 284-289.

Publication in Book/Book-Chapter

- Sharma C., Sharma A.K., Aseri T.K., Mullick S.C. and Kandpal T.C. (2015). Solar Thermal Power Generation, Advances in Solar Energy Science and Engineering, Vol. 1, 89-153, Today & Tomorrow's Printers and Publishers, New Delhi, India.

Research Projects Undertaken:

- Worked as a Co-Principal Investigator (Co-PI) on a research project funded by All India Council of Technical Education (AICTE), New Delhi, Government of India, under Research Promotional Scheme (RPS).

  Project Title: Site Selection and Installation of High Efficiency Solar Still to Provide Potable Water to Remote Area Dwellers of Rajasthan.
  Fund Received: INR 10.0 Lacs.
  Project Duration: April 2010 to April 2013 (3 Years).

Administrative Responsibilities

Worked as Chief Proctor, Coordinator Cultural activities, Stores officer, Nodal officer (EAP) under TEQIP-II etc.

Personal Details

- D.O.B.: November 15, 1975.
- Nationality: Indian
- Languages known: English, Hindi

(Chandan Sharma)