

Name: Dr. Jatinkumar Ravjibhai Patel

Research Publications:

International Conference

- Ruchik Thaker, Karan Prajapati & **Jatin Patel**, “Solar Photovoltaic/Thermal (PV/T) Hybrid Collector: A Review” In Proceedings of International Congress on Renewable Energy (ICORE) - 2014, December 8-9, 2014, SESI, New Delhi
- Jatin Patel**, “Solar Humidification- Dehumidification Technology for Pure Water Production”, Selected for oral presentation in Solar 2014 conference at Melbourne during 8-9 May 2014
- Jatin Patel**, Animesh Mathur, Anup Sharma and Swapnil Chaudhary, “Effect of Pressure Difference in Vapour Absorption System”, In Proceedings: International Conference on Recent Innovations In Engineering, Science & Technology-2013, 29th December, 2013, pp: 97-100, Pune, India
- Mriganka Kalita and **Jatin Patel**, “Concentrating Solar Power –Its Issues and Prospects”, In Proceedings: International Conference on Harnessing Technology (ICHT2013), December 2-3, 2013, Muscat, Oman
- Jatin R. Patel** & L. N. Patel, “Design and Development of a Two-stage parabolic trough solar collector with potential cost benefits”, International Congress on Renewable Energy (ICORE) - 2012, December 6-7, 2012, Pandit Deendayal Petroleum University, Organized by Solar Energy Society of India, New Delhi.
- Jatin R. Patel** & L. N. Patel, “Design of Composite Parabolic through Collector with two-stage concentration”, Proceedings of International Congress on Renewable Energy (ICORE) - 2009, October 6-7, 2009, SESI, New Delhi
- Jatin R. Patel**, Vijay D. Patel & L. N. Patel, “Adsorber Granules preparation and development of test setup to investigate the adsorption/adsorption phenomena”, Proceedings of Renewable Energy Asia 2008 An International Conference & 4th SEE Forum Meeting, December 13-15, 2008, IIT, Delhi. pp: 396-406
- Vijay D. Patel, **Jatin R. Patel** & L. N. Patel, “Design and Development of Segmented Parabolic Trough Collector for Medium Temperature (100-150°C) Applications”, Proceedings of Renewable Energy Asia 2008 An International Conference & 4th SEE Forum Meeting, December 13-15, 2008, IIT, Delhi. pp: 255-263.
- Jatin R. Patel**, Vijay D. Patel & L. N. Patel, “Modified Design of Parabolic Trough Collector with Secondary Reflector”, Proceedings of International Conference on Recent Developments in Mechanical Engineering, January 23-25, 2008, S. U. C. E. T., Mohali (Punjab), pp: 109-114.
- Digvijay B. Kulshreshtha, Dr. S. A. Channiwalla and **Jatin R. Patel**. “Effect on Temperature Distribution At Liner Wall For Different Equivalence Ratios of Primary Zone For Small Capacity Gas Turbine Combustion” Proceedings of IMECE05 2005 ASME International

Mechanical Engineering Congress and Exposition, November 5-11, 2005, Orlando, Florida, USA.

National Conference/seminar

- Jatin R. Patel** and L. N. Patel, “Development of Parabolic Concentric type Solar Cooker” Proceedings of National Conference on Recent Developments and Future trends in Mechanical Engineering, November 3-4, 2006, N.I.T., Hamirpur (H.P.).
- Kinal Kachhiya & **Jatin Patel**, “Distribution Generation and Renewables- An Introduction”, National Symposium on Recent Trends in Electrical Engineering, January 7-8, 2010, G. H. Patel College of Engg. And Tech., V. V. Nagar, Gujarat.
- Umang Patel, **Jatin Patel** and Mrs. Pragna Patel, “Review of Heat Transfer Augmentation with Twisted Tape Inserts”, National Conference on Technology and Management - 2012, S. P. College of Engg., Visnagar, Gujarat.
- Divyesh Patel, **Jatin Patel**, Mrs. Pragna Patel, “Heat Transfer Analysis of Line Concentrating Parabolic Trough Solar Receiver”, National Conference on Technology and Management -2012, S. P. College of Engg., Visnagar, Gujarat.

International Journal

- Patel Jatin** and Patel L.N., “Optical Design of Two-Stage Solar Concentrator” Journal of Advances in Developmental Research, Vol. (1), 2010, pp: 49-52.
- Hiren Patel, Mrs. Pragna Patel, **Jatin Patel**, “Review of solar Distillation methods”, International Journal of Advanced Engineering Research and Studies, I, Oct-2012, pp.157-161
- Chintan Prajapati, Mrs. Pragna Patel, **Mr. Jatin Patel**, Umang Patel, “A Review of Heat Transfer Enhancement Using Twisted Tape”, International Journal of Advanced Engineering Research and Studies, Vol. 2 (I), 2012, pp. 162-164.
- Kishan Patel, Mrs. Pragna Patel, **Mr. Jatin Patel**, “Review of Solar Water Heating System”, International Journal of Advanced Engineering Research and Studies, Vol. 3 (IV), 2012, pp. 146-149.

National Journal

- Jatin R. Patel** and L. N. Patel, “A Study of Intermittent Solid Adsorption Refrigeration using Low Grade Thermal Energy”, Research Link-42(A), Vol-VI, Special Issue on National Seminar on Renewable Energy: Potential & Sustainable Development at MITS, Gwalior, September 25-26, 2007, pp: 248-252.