

RESUME

CHANDRA SHEKHAR RAJORIA

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PERMANENT ADDRESS:

H.No.- 729/26,
Bhagwan Ganj, Vidhya Marg,
Ajmer, (Rajasthan) - 305001
Ph. No: 09214647810

PRESENT ADDRESS:

Engineering College Bikaner,
Pugal Road, Karni Indl. Area,
Bikaner, (Raj.) - 334004
Ph. No. 09928536597

EDUCATIONAL QUALIFICATIONS

Ph.D. (Energy Studies)

Indian Institute of Technology, Delhi
Thesis submitted in July-2013

Masters of Technology (Energy Studies)

Indian Institute of Technology, Delhi
CGPA: 7.99
Year of passing: March 2006

Bachelor of Engineering (Mechanical Engineering)

Engineering College Kota,
Percentage: 60.70 %
Year of passing: March 2000

Rajasthan Board of Secondary Education (XII Grade Examination)

St. Johns Diocesan Sr. Sec. School, Ajmer
Percentage: 50.0 %
Year of passing: June 1995

Rajasthan Board of Secondary Education (X Grade Examination)

St. Johns Diocesan Sr. Sec. School, Ajmer
Percentage: 66.9 %
Year of passing: June 1992

EXPERIENCE

| S.No | Name of the Organization | Period | Position Held |
|------|--|---|---------------|
| 1 | Sobhasaria Engineering College, Sikar | From: 21 st Sept. 2006 To : 30 th May 2007 | Lecturer |
| 2 | K N Modi Institute of Engineering and Technology | From: 5 th June 2006 To : 19 th Sept. 2006 | Lecturer |
| 3 | Bhagwant Institute of Technology, Mujaffarnagar | From: 1 st Sep. 2001 To : 31 st May 2004 | Lecturer |
| 4 | CMC Computer Education Ltd. Udaipur | From: 1 st Aug. 2000 To : 30 th Aug. 2001 | Faculty C++ |

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- *Currently working as an Assistant Professor (Mech. Engg. Deptt.) in Engineering College Bikaner.*

DISSERTATIONS

Ph.D.

Title: 'Performance Evaluation of Photovoltaic Thermal (PVT) Air Collector and its Applications'

M. Tech.

Title: 'Energy conservation options in boilers of a coal based thermal power plant'.

B. E.

Title: 'Vibration monitoring and failure analysis of turbo-generators'.

ACADEMIC ACHIEVEMENTS

a. Paper presented in Conferences and Seminars

| Title of the paper presented | Title of Conference/Seminar | Organized by | Whether International /National / state /Regional / College/ Univ level |
|---|--|--|--|
| Future prospects of autonomous institutions | National Seminar on Technical Education in Current Perspective, Dec. 13-14, 2007 | RTU Kota | National |
| Global Fingerprints of Green House Warming | National Symposium on Global Warming, March 5, 2008. | Deptt of EI & C at ECB | National |
| Implication of Computer Integrated Manufacturing in Factory Automation | National Conference on Recent Advancements in Engg. & Tech., April 26, 2008. | Engg. College Ajmer | National |
| Virtual Manufacturing-A Model for Internet Manufacturing | National Conference on Latest Developments in Mechanical and Production Engineering, June 13-14, 2008. | RIMT-Institute of Engg. & Tech, Mandi Gobindgarh | National |
| Application of 5s and VS in a steel industry | National conference on Advanced Manufacturing Techniques 5-6 Nov 2009 | Shri Mata Vaishno devi University, Katra | National |
| Energy Conservation Opportunities in Boiler and Chilling Plant | National Conference on Energy Management-2009 Nov. 20-21, 2009. | Engineering College Bikaner | National |
| Evaluation and Validation of Day Lighting Model for V-Shape and Dome Type Roof Structures of Mud- | SOLARIS 2012, International conference on energy security, global warming and sustainable climate. 7-9 Feb, 12 | BHU, Varanasi | International |

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| House | | | |
| Energetic and exergetic analysis of photovoltaic thermal (PVT) array: a comparative study. | SOLARIS'13-The 6th International Conference on Solar Radiation and Daylighting, May 16-17, 2013, Granada, Spain. | University of Granada | International |
| Energetic and Exergetic Comparison of Photovoltaic Thermal (PVT) Arrays | Advances in Materials Manufacturing, and Technology, Oct, 10, 2014 | Chitkara University Punjab | International |

b. Conferences Seminars and Workshops attended

1. Attended National Seminar on Recent Trends in Nuclear Sciences organized by University of Bikaner, Rajasthan, Jan. 19, 2008.
2. Attended National Workshop on CAD/CAM Organized by Department of Mechanical Engineering, Engineering College Bikaner from Dec. 19-20, 2008.

c. Conferences, Seminar, Workshops and STTP's attended

| S.No . | Faculty Training | Title of Training | Duration | Centre/ Department | Training Provider |
|--------|--------------------------|---|-----------------------|---|-----------------------|
| 1 | QIP-STC | Advances in Solar Energy Technologies | 09-15 Dec. 2015 | Centre for Energy Studies | QIP- IIT Delhi |
| 2 | TEQIP-STC | Recent Trends in Solar Energy Technology | 16-23 June 2015 | Centre for Energy Studies | TEQIP-II, IIT Delhi |
| 3 | STC | Instructional Planning and Delivery | 11-15 May 2015 | Curriculum Dev. Centre | NITTTR Chandigarh |
| 4 | STC | Instructional Planning and Delivery | 5-9 May 2015 | Curriculum Dev. Centre | NITTTR Chandigarh |
| 5 | STC | Communication Skills | 20-24 April 2015 | Curriculum Dev. Centre | NITTTR Chandigarh |
| 6 | STC | Recent Trends in Automobile Engineering | 16-20 March 2015 | Mech. Engg. Deptt. | NITTTR Chandigarh |
| 7 | STC | Soft Computing through ICT | 11-15 Nov 2015 | | NITTTR Chandigarh |
| 8 | ISTE Workshop | Engg. Mechanics | 26 Nov. -06 Dec. 2014 | National Mission on Education through ICT | IIT Bombay |
| 9 | International Conference | Advances in Materials Mfg. and Technology | 10 Oct. 2014 | Mech. Engg. Deptt. | Chitkara Univ. Punjab |
| 10 | STC | Renewable Energy Based Technologies | 25-29 August 2014 | Rural Development Department | NITTTR Chandigarh |
| 11 | ISTE Workshop | Fluid Mechanics | 20-30 May 2014 | National Mission on Education | IIT Kharagpur |

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| | | | | through ICT | |
| 12 | QIP-STC | Application of Renewable Energy Sources | 11-17 Dec. 2013 | Centre for Energy Studies | QIP-IIT Delhi |
| 13 | International Conference | SOLARIS2013 The 6 th International on Solar Radiation and Daylighting | 16-17 May 2013 | | Univ. Of Granada, Spain |
| 14 | Workshop | Energy Conservation and Renewable Energy | 22 April 2013 | School of Engg. and Technology | IGNOU, New Delhi |
| 15 | International Conference | Solaris 2012-An Int. Conf. On Energy Security Global Warming and Sustainable Climate | 7-9 Feb. 2012 | Centre for Energy Studies | BHU Varanasi and IIT Delhi |
| 16 | QIP-STC | Building Integrated Photovoltaic Thermal Systems | 8-14 Feb. 2011 | Centre for Energy Studies | IIT Delhi |
| 17 | QIP-STC | Photovoltaic Thermal (PVT) Applications | 9-15 Dec. 2011 | Centre for Energy Studies | IIT Delhi |
| 18 | QIP-STC | Alternative Sources of Energy | 4-10 Feb. 2010 | Centre for Energy Studies | IIT Delhi |
| 19 | National Conference | National Conference on Energy Management | 20-21 Nov. 2009 | Mech. Engg. Deptt | Govt Engg. College Bikaner |
| 20 | National Conference | National Conference on Advanced Mfg. Techniques | 6-9 Nov. 2009 | Mech. Engg. Deptt | SMVDU, Katra |
| 21 | National Workshop | CAD/CAM | 19-20 Dec. 2008 | Govt. Engg. College Bikaner | AICTE New Delhi |
| 22 | STC | Futuristic Nanocomposites | 8-12Dec. 2008 | Deptt. Of Mech Engg. | IIT Kanpur |
| 23 | STC | Modeling and Simulation using MATLAB | 21-25 July. 2008 | MHRD | NITTTR Chandigarh |
| 24 | National Conference | Latest Development in Mech. And Prod. Engg. | 13-14 June 2008 | Deptt. Of Mech Engg. | RIMT Instt. Of Engg. and Tech. Mandi |
| 25 | SDP | Biodiesel Alternative Fuel for Future Fuel | 12-23 May 2008 | Chemistry Deptt. GECB | AICTE |
| 26 | National Conference | Recent Advancements in Engg and Tech | 26 April 2008 | Deptt. Of Mech Engg. | Govt. Engg College Ajmer |
| 27 | National Symposium | Global Warming- The burning Issue | 5 March 2008 | EICE Deptt. GECB | ISTE |
| 28 | STC | Communication Skills | 28 Jan-01 Feb. 2008 | MHRD | NITTTR Chandigarh |
| 29 | National Seminar | Recent Trends in Nuclear Sciences | 19 th January 2008 | Govt. Engg. College Bikaner | University of Bikaner |

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| 30 | National Seminar | Technical Education in Current Perspective | 13-14 Dec. 2007 | Deptt of Civil Engg | UCE, RTU Kota |
| 31 | STC | MECHOTRONICS | 21-25 Oct. 2007 | MHRD | NITTTR Chandigarh |
| 32 | STC | Automation Techniques | 8-12 Oct. 2007 | MHRD | NITTTR Chandigarh |
| 33 | STC | PDD | 09-13 Aug. 2007 | Mech | IIT Roorkee |
| 34 | FDP | Faculty Development Programme | 07-18 June 2007 | Department of Management Studies | MNIT Jaipur |
| 35 | STC | MECHOTRONICS | 07-11 May 2007 | MHRD | NITTTR Chandigarh |

d. Published papers in journals

| S.No. | Title with page numbers | Journal | Publisher | No. of co-authors | Whether you are the main author |
|-------|---|--|-----------|-------------------|---------------------------------|
| 1 | Overall thermal energy and exergy analysis of hybrid photovoltaic thermal array, 2012, (86) 1531-1538 | International Journal of Solar Energy | Elsevier | 02 | yes |
| 2 | Exergetic and enviroeconomic analysis of novel hybrid PVT array, 2013, (88) 110-119 | International Journal of Solar Energy | Elsevier | 02 | yes |
| 3 | Carbon Credits Earned by Hybrid Photovoltaic Thermal Array, 2012, (2) 1-4 | International Journal of Fundamentals of Renewable Energy and Applications | Ashdin | 02 | yes |
| 4 | Energetic and Exergetic Comparison of Photovoltaic Thermal (PVT) Arrays, 2014, (4) 203-208 | International Journal of Research in Mechanical Engineering & Technology | IJRMET | 02 | yes |
| 5 | Exergetic and enviroeconomic comparison of PVT arrays based on optimum air flow configuration and its comparative study, 2015, (122) 1138-1145 | International Journal of Solar Energy | Elsevier | 03 | yes |
| 6 | A newer approach on cash flow diagram to investigate the effect of energy payback time and earned carbon credits on life cycle cost of different photovoltaic thermal array | International Journal of Solar Energy | Elsevier | 04 | yes |

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| systems, 2016, (124) 254-267 | | | | |
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TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

- a) Student Workshop on CAD/CAM on 10-15 Nov., 2008 was organized and worked as *co-convener*
- b) Used audio visual aids in teaching such as LCD projector etc.
- c) Prepared the lab manual for Materials Science Lab.
- d) Conducted 45 days (315 hours) short term training program for livelihoods on "Electric Arc & Gas Welding" sponsored by Rajasthan mission on livelihoods under aegis of Entrepreneurship & Management Development Institute, Jaipur, from 26.02.08 to 24.04.08, with training budget of Rs. 83540/-.

COURSES CONDUCTED

1. Conducted AICTE sponsored National Workshop on CAD/CAM from 19-20 Dec. 2008.
2. Conducted 45 days (315 hours) short term training program for livelihoods on "Electric Arc & Gas Welding" sponsored by Rajasthan mission on livelihoods under aegis of Entrepreneurship & Management Development Institute, Jaipur, from 26.02.08 to 24.04.08, with training budget of Rs. 83540/-.

CO-CURRICULAR, EXTENSION, PROFESSIONAL DEVELOPMENT ACTIVITIES

1. Hostel Warden at K.N. Modi Institute of Technology from June 2006 to Sept. 2006
2. Extra Class Coordinator at SEC, Sikar from Nov. 2006 to May. 2007.
3. Worked as Faculty Coordinator (T&P), Time Table Incharge from May 2007 to June 2008.
4. Worked as Project Coordinator from July 2008 June, 2010.
5. Worked as 'off campus executive secretary' of DST sponsored National Seminar on Advances in Materials and management on 17th March, 2012 at Engineering College, Bikaner
7. Worked as Co-Convener of National Conference on Energy Management on 20th -21st Nov 2009 sponsored by DST & MNRE.
8. Worked as Co-Convener of AICTE sponsored National Workshop on Computer Aided Designing & Computer Aided Manufacturing on 19th-20th Dec., 2008 at Engineering College, Bikaner.
9. Worked as Co-Convener of AICTE sponsored National Workshop on CAD/CAM from 10th-15th Nov 2008 at Engineering College, Bikaner.
10. Hostel warden C-2, ECB campus from June 2015 till date.
11. Head, Central Library ECB from May 2015 till date.

PERSONAL PROFILE

Name : Chandra Shekhar Rajoria

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Father's name : Mr. P L Rajoria
Date of birth : 23rd September 1975
Languages Known : English, Hindi.

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Chandra Shekhar Rajoria