CURRICULUM-VITAE

38, Shri Ganesh Colony, Mahesh Nagar,
Jaipur, Rajasthan, India.
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OM SHANKAR PRAJAPATI

FIELDS OF INTEREST:

NANOMATERIALS, NANOFLUIDS, NANOTECHNOLOGY, HEAT TRANSFER, ENERGY ENGINEERING, MECHANICAL ENGINEERING, CFD.

OBJECTIVE:

To join an organization that shall lead to my professional and social growth and in turn be a contributing factor in growth of organization**.**

EXPERIENCE:

1. Working as Senior Research Fellow at Malaviya National Institute of Technology Jaipur sponsored by BRNS, DAE, India from 17 September 2010.
2. Worked in Kamal Coach Works Pvt. Ltd. Sitapura, Jaipur for 9 months as QA Engineer from 16 October 2007 to 15 July 2008.

ACADEMIC QUALIFICATION:

QUALIFICATION	UNIV/BOARD	YEAR OF COMPLET	PERCENTAGE
Ph.D. (**Mechanical Engg.**)	MNIT, JAIPUR	2013 (expected)	
M-Tech. (Energy Engg.)	MNIT, JAIPUR	2010	7.84 C.G.P.A.
B. E. (**Mechanical Engg.**)	RAJ. UNIVERSITY	2007	61.54 %
12th	RAJ. BOARD	2002	54.62 %
10th	RAJ. BOARD	2000	73.67 %

TRAINING DETAILS:

1. Worked as a trainee engineer at **KOTA SUPER THERMAL POWER STATION, KOTA.**
2. Worked as a trainee engineer at **MAHINDRA (KALYAN MOTORS), JAIPUR.**

SOFTWARE EXPOSURE:

1. **IMAQ Vision Builder, XCAP std. Imaging, MAT-LAB , Design Builder, E-QUEST.**
2. **CAD/CAM, SOLID-WORKS and DEPO CAM.**

PROGRAMS ORGANISED:

Theme/Topic	Organization	Strength	Year	Venue and Date
World Environment Day	Institution of Engineers	50	2011	The Institution of Engineers (India), Jaipur on 5th June
Ground Water Day	Institution of Engineers	50	2011	The Institution of Engineers (India), Jaipur on 10th June

CONFERENCES CONVEYED:

Theme/Topic	Organization	Strength	Year	Venue and Date
Nanotechnology Applications	MNIT Jaipur & IE(I), Jaipur	180	2012	Design Center, MNIT Jaipur on Oct. 6th & 7th
Nanotechnology & It's Applications	Institution of Engineers	80	2011	Arya College of Engg. & I. T., Jaipur on July 9th & 10th
Global Impact of Air Pollution	Institution of Engineers	70	2011	The Institution of Engineers (India), Jaipur on 30th April & May 1st

DETAILS OF SPONSORED PROJECT/CONSULTANCY:

Title	Name of Funding Agency	Status	Amount (Rs.)	Principal Investigator	My Role
Investigation of heat transfer characteristics of nanofluids in subcooled flow boiling	Board of Research in Nuclear Sciences (BRNS), DAE	In Progress	16,99,900/-	Dr. A.K. Rajvanshi	Senior Research Fellow
Investigation of Heat Transfer Phenomenon at High Heat Flux in Nucleate Flow Boiling	Indian Space Research Organization (ISRO)	Completed	8,00,000/-	Dr. A.K. Rajvanshi	Fellow in M.Tech.

WORKSHOP ATTEND:

Theme/Topic	Year	Venue and Date
Entrepreneurship Awareness Camp	2006	At MNIT, Jaipur on Oct. 03rd to 05th
Recent Trends in flow Visualization	2010	At IIT, Roorkee on December 27th to 29th
Challenges before Applied Mathematicans: Fluid Dynamics and Optimization Techniques	2011	At Rajasthan University, Jaipur on March 11th to 13th
Intellectual Property Rights (IPR)	2011	At MNIT, Jaipur on August 19th
Workshop on Phase-Change Thermal Systems	2012	Indian Institute of Technology Kanpur on March 19th & 20th

BOOKS PUBLISHED:

Theme/Topic	Author(s)	Publisher	ISBN/ISSN No.	Year
Heat Transfer with Nanofluids	Om Shankar Prajapati and A.K. Rajvanshi	Lap Lambart, Germany	978-3-8465-4922-3	2011
Ergonomic Redesign of Children Bicycle	Om Shankar Prajapati, Amit Kumar Verma and M.L. Meena	Lap Lambart, Germany	978-3-8484-3427-5	2012
Thermal Conductivity of Nanofluids	Akash Vajpai, A. K. Rajvanshi And O. S. Prajapati	Lap Lambart, Germany	978-3-8484-4831-9	2012
Engineering Materials & Processes	Mukesh Sharma, Om Shankar Prajapati and Deepika Bansal	Neelkanth Publications, India	978-81-8444-509-1	2012
Basic Automobile Engineering	Mukesh Sharma, Om Shankar Prajapati and Deepika Bansal	Neelkanth Publications, India	978-81-8444-559-6	2012

PAPER PUBLICATIONS:

	Title of Research Article	Author(s)	Publisher	Year	Name of Journal / Venue and date (for conference only)
Journals (International)	Effect of Al_2O_3-Water Nanofluids in Convective Heat Transfer	Om Shankar Prajapati and A. K. Rajvanshi	World Scientific Publishing Co. Pte. Ltd.	2012	International Journal of Nanoscience
	Al_2O_3-Water Nanofluids in Convective Heat Transfer		Trans Tech. Publication		International Journal of Applied Mechanics and Materials
Conference (National)	Global Warming		IE(I), Jaipur	2009	The Institution of Engineers (India), Jaipur on May 2nd & 3rd
	An Experimental Study of Subcooled Flow Boiling Heat Transfer				Modi Institute of Technology and Science, Laxmangarah, Sikar on Nov. 20th & 21st
	A Performance Analysis of Subcooled Flow Boiling Heat Transfer			2010	Rajasthan Institute Engineering And Technology, Jaipur on Mar. 20th & 21st
	Subcooled Flow Boiling to Improve Heat Transfer				Arya College of Engg & I. T., Jaipur on April 10th & 11th
	Subcooled Flow Boiling				Yagyavalkya Institute of Technology, Jaipur on April 30th & May 1st
	Heat Transfer Characteristics of Al_2O_3 Nano-fluids in Convective Heat Transfer				Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur on May 7th & 8th
	Science and Technology of Nano Size Structures				Laxmi Devi Institute of Engineering & Technology, Alwar, India on October 29th & 30th
	Critical Heat Flux of Nanofluids			2011	Arya College of Engg & I. T., Jaipur on July 9th & 10th
	Heat Transfer Behaviour of Nanofluids at High Pressure			2012	Design Center, MNIT Jaipur on Oct. 6th & 7th
Conference (International)	Heat transfer characteristics of Al_2O_3 nanofluid in convective heat transfer			2010	Maulana Azad National Institute of Technology, Bhopal, M.P., India on June 24th to 26th
	Heat Transfer Enhancement with Al_2O_3 Nanofluid in Convective Heat Transfer **(Online Available)**		ACTA Press		International Association of Science and Technology for Development (IASTED) Phuket, Thailand on November 24th to 26th
	Effect of Al_2O_3-Water Nanofluids in Convective Heat Transfer				GITAM Institute of Science, Visakhapatnam, India on December 17th to 19th
	Convective Heat Transfer with Al_2O_3-Water Nanofluids			2011	(ICRE 2011) held at University of Rajasthan, Jaipur, India on January 17th to 21st
	Al_2O_3-Water Nanofluids in Convective Heat Transfer		IEEE		(CMAE 2011) held at New Delhi, India on March 21st to 23rd
	Critical Heat Flux in Boiling Heat Transfer				(SHJ-NRE11) held at University of Sharjah, Sharjah, UAE on April 3rd to 5th
	Flow Boiling Heat Transfer with TiO_2-Water Nanofluid			2012	(FNE-2012) held at Sharda University, Greater Noida, India on January 9th to 11th
	TiO_2-Water Nanofluid Behavior at High Pressure in Convective Heat Transfer				(ICREGA'12) 2nd International Conference on Renewable Energy: Generation and Applications held at Al Ain, United Arab Emirates on March 4th to 7th
	Effect of Nanofluid in Flow Boiling Heat Transfer		VBRI Press		International Conference on Nanomaterials & Nanotechnology (ICNANO 2011), University of Delhi, Delhi on December 18th - 21st
	Effect of Pressure on Subcooled Flow Boiling of TiO_2-water Nanofluids		EPFL, Lausanne		ECI - 8th International Conference on Boiling and Condensation Heat Transfer 2012 held at Ecole Polytechnique Fédérale de Lausanne (EPFL) Lausanne, Switzerland on June 3rd to 7th
	Heat Transfer behavior with ZnO-Water Nanofluids		Nanopaprika		2nd Virtual Nanotechnology poster Conference on Sept. 10th to 14th

ACHIEVEMENTS / EXTRA CURRICULAR:

1. Received fellowship to cover registration fee of "**ECI 8th International Conference on Boiling and Condensation Heat Transfer, Lausanne, Switzerland from 3rd to 7th June 2012"** from "**Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland**".
2. Received **Rresearch Fellowship** from **Board of Research in Nuclear Science** (BRNS), Department of Atomic Energy(DAE), Mumbai, India.
3. Received **Assistantship** from **Ministry of Human Resource Deve**lopment (MHRD) for M.Tech.
4. **Paper reviewed** at International Journal of **Materials Science and Engineering C** with impact factor 2.178 in 2011.
5. **Paper reviewed** at **Journal of Scientific Research and Reviews (JSRR) in 2012.**
6. Member of **EDITORIAL BOARD** of "International Journal of Engineering and Advanced Technology (IJEAT)".
7. Member of **EDITORIAL BOARD** of "International Journal of Recent Technology and Engineering (IJRTE)".
8. Member of **EDITORIAL BOARD** of "International Journal of Soft Computing and Engineering (IJSCE)".
9. Associate Member of "**Indian Society of Heat and Mass transfer**" **(ISHMT).**
10. Member of "**International Association of Engineers**" (**IAENG**).
11. Member of **ITHEA International Scientific Society.**
12. Member of **International Council for Science** (**ICSU**).
13. Member of "**International Association of Computer Science and Information Technology**" (IACSIT).
14. Member of **TECHNICAL COMMITTEE** of **"2011 3rd International Conference on Computer Technology and Development (ICCTD 2011)"** with three workshops [*'2011 International Conference on Networks and Information (ICNI 2011)'*, *'2011 International Conference on Software and Information Management (ICSIM 2011)'* and *'2011 International Conference on Power Science and Engineering (ICPSE 2011)'*] being held at Chengdu, China on 25th - 27th November, 2011
15. Member of **NATIONAL ADVISORY BOARD** of All India Seminar "Nanotechnology Applications" held at Design Center, MNIT, Jaipur on 6th & 7th Oct., 2012.
16. Member of **NATIONAL ADVISORY BOARD** of All India Seminar "Nanotechnology & It's Applications" held at Arya College of Engg & I. T., Jaipur on 9th & 10th July, 2011.
17. Member of **NATIONAL ADVISORY BOARD** of All India Seminar "Global Impact of Air Pollution" held at The Institution of Engineers (India), Jaipur on 30th April & 1st May, 2011.

18. Online Member of **:**
    1) **American Nuclear society**
    2) **American Society of Mechanical Engineers (ASME)**
    3) **ASME Nanotechnology Institute**
    4) **Boiling Springs Civic Association**
    5) **Carbon Nanotechnology**
    6) **Clean & Renewable Energy**
    7) **Computational Fluid Dynamics**
    8) **EHG - Energy Harvesting Group**
    9) **EHG Micro/Nano Systems Technology**
    10) **Energy Management Professionals**
    11) **Energy Smart Miami**
    12) **Energy & Utilities Network**
    13) **Mathematical Modelling in Engineering Applications**
    14) **Microelectromechanical Systems (MEMS) Networking**
    15) **Multiphase Flow**
    16) **NANO-Education**

17) Nanofluid Coolants
18) NanoHUB
19) NanoMaterials
20) NanoMaterials Europe
21) Nano Materials group
22) Nano Materials Society
23) NANOPAPRIKA
24) Nanophotonics for Energy Efficiency
25) NANOSTROM® - A Professional Association / Group For Nanotechnology
26) Nano Technology
27) Nanotechnologists
28) Nanotechnology & Solar
29) Nanotechnology for Oil and Gas
30) Nano Technology Transfer Professionals Worldwide
31) Nanotechnology Zone
32) Nanowerk Nanotechnology News
33) Nuclear Criticality Safety
34) Nuclear Power Corporation of India Limited (NPCIL)
35) Nuclear Power - the next generation
36) Nuclear Safety
37) Nuclear Science and Technology Professional Network
38) Research Gate
39) Research Methodology
40) Technical & Fundamental TRADERS
41) The Alternative Energy Forum
42) SAMPE Nanotechnology Technical Community
43) UK Nanotechnology
44) Nanotechnologists
45) Young Energy

19. Graduate Aptitude Test in Engineering **(GATE-2007) Score Card.**
20. College level paper presentations:
    - Ocean Energy (in B.E)
    - Alternative Fuels (in M. Tech.)
    - CDM in Dairy Plant (in M. Tech.)
    - Photovoltaics for power generation (in M. Tech.)
21. Seminar on **"An Overview of Turbulence Models used in Computational Fluid Dynamics"** in M. Tech.
22. Project on **"Experimental Investigation of Convective Heat Transfer of Al_2O_3-Water Nanofluids"** in M. Tech.
23. Project on **"Electrical Energy by Speed Breaker"** in B. E.

STRENGTH:

Adventurous, Leadership Qualities, Affable, Confident, Helpful, Honest

INTRESTS:

Research work, Volleyball, Chess, Swimming, Listening Music

PERSONAL PROFILE:

Father's name	:	Shri Birdi Chand Prajapati
Date of Birth	:	10/04/1984
Sex	:	Male
Marital Status	:	Single
Nationality	:	Indian
Religion	:	Hindu

DECELARATION:

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

Date: - 20/10/2012
Place: - JAIPUR

(OM SHANKAR PRAJAPATI)