

Resume		
Name	LAKHWINDER SINGH	
Department	College of Engineering & Management, Rampura-phul (Bathinda)	
Current Designation	Assistant Professor (Mech. Engg.)	
Date of Birth	April 01, 1974	
Marital status	Married	
Nationality	Indian	
Category	General	
Permanent address (with Pin code)	VPO Kaheru, Tehsil Dhuri, District Sangrur (Pb.)-148024	
Telephone No.	9501800048	
E-mail	rakhra100@gmail.com	
Academic Qualifications:		
Examinations	Name of the University	Year of Passing
B.E	Panjab University, Chandigarh	1996
M. E	Panjab University, Chandigarh	1999
Ph.D.	SLIET, Longowal	2018

LIST OF PUBLICATIONS

1. A paper titled "Thermal power generation for the next decade: a perspective" presented in Sixteenth national convention of mechanical engineers and national seminar on Future trends in mechanical engineering, research and development, organized by department of mechanical and industrial engineering, University of Roorkee, Sept. 29-30, 2000.
2. A paper titled " Bio-energy potential and management in india with emphasis on biomass gasification" presented in National conference on recent developments in mechanical engineering, organized by mechanical engineering department, TIET, Patiala, 31st Oct and 1st Nov. 2003.
3. A paper titled "Design, construction and operation of a biogas digester" presented in National symposium on Emerging technologies for efficiency improvement in energy sector (ETEIES-03), organized by department of electrical and instrumentation engineering, SLIET, Logowal, November 08-09th, 2003.
4. A paper titled "Utilisation of biomass as engine fuel" published in Journal of Scientific and Industrial Research, Vol. 68, October 2009, pp 887-890.

5. A paper titled “ Feasibility study, design and development of kitchen based biogas plant” presented in 1st international conference on “New frontiers in biofuels” organized by Delhi Technological University, 18-19th January, 2010.
6. A paper titled “Performance evaluation of ultrasonic machining of tungsten carbide with tools of different cross-sectional area” presented in 2nd national conference on “Precision Manufacturing” organized by Department of mechanical engineering, SLIET, Longowal, 26-27th March 2010.
7. A paper titled “Exploring renewable energy; present need and constructive atmosphere” presented in 14th Punjab Science Congress, organized by SLIET, Longowal, 07-09th, February 2011.
8. A paper titled “ Proximate and ultimate analysis of agro residue for a strategic approach of its utilization” presented in International conference on Alternative energy in developing countries and emerging economics (2011 ACDCEE)” organized by Research and Development Institute, Thaksin University, Thailand, May 25 -28th , 2011.
9. A paper titled “ Electricity production from biomass; potential and bottlenecks” presented in International conference on Rural Development; Challenges and Opportunities, organized by CORDIA group of institutes, Sanghol, Punjab (India) on dated November 17-18, 2011.
10. A paper titled “ Assessment of crop residue potential for power generation using geographical information system” presented in National Conference on Advancements in Mechanical Engineering and Energy Environment (AMEEE-2012), organized by department of Mechanical Engineering, SLIET, Longowal on dated January 06-07, 2012.
11. A paper titled “ Ultrasonic drilling of hard metals” in National Conference on Advancements in Mechanical Engineering and Energy Environment (AMEEE-2012), organized by department of Mechanical Engineering, SLIET, Longowal on dated January 06-07, 2012.
12. A paper titled ““To study crop straw potential for power generation for Punjab state” in National conference on Innovative ideas in engineering and management (IIEEM-2012), organized by Manav Bharti University, Solan (HP) on dated June 08-09, 2012.
13. A paper titled “Study of Power Generation Potential for Punjab State using Crop Stalk” in the International conference titled “ Advancement in engineering and technology (ICAET-2012)” organized by BGIET, Sangrur on dated October 12-13, 2012.
14. A paper titled “New and Renewable Sources Energy Policy-2006; a thrust in right direction by Punjab Government” presented in the “16th Punjab Science Congress with Theme: Science for Health” organized by Punjab Academy of

Sciences and Baba Farid University of Health Sciences, Faridkot, Punjab (India) on dated February 7-9, 2013.

15. A paper titled "Renewable Energy Exploration for sustainable growth of Punjab State" presented in the "16th Punjab Science Congress with Theme: Science for Health" organized by Punjab Academy of Sciences and Baba Farid University of Health Sciences, Faridkot, Punjab (India) on dated February 7-9, 2013.
16. A paper titled "Evaluation of crop residue potential for power generation for Indian state Punjab" published in International journal of Agriculture and Veterinary Sciences , vol-4, issue-4, Jul-Aug-2013, 99-112.
17. A paper titled " Evaluation of district wise power potential from crop residue in Punjab state" presented in National Conference " 17th Punjab Science Congress" conducted by PTU Jalandhar on dated 14-16 Feb. 2014.
18. A paper titled " Biogas from kitchen waste" presented in National Conference " 17th Punjab Science Congress" conducted by PTU Jalandhar on dated 14-16 Feb. 2014.
19. A paper titled " Study of power generation potential for Punjab state using sugarcane residue" presented in international conference titled " Advancements in engineering and technology" conducted by BGIET, sangrur on dated Feb 21-22, 2014.
20. A paper titled "Assessment of crop residue potential for power generation using geographical information system" published in Journal of Scientific & Industrial Research Vol. 74, January 2015, pp. 34-37 (Impact Factor 0.5)
21. A paper titled "New and renewable energy policy-2012; a thrust for green for green energy" presented in National Conference " 19th Punjab Science Congress" organized by Punjab academy of sciences and SUS group of institutions, tangori on dated 07-09 Feb. 2016.
22. A paper titled "Exploration of new and renewable sources of energy in Punjab state" presented in National Conference " 19th Punjab Science Congress" organized by Punjab academy of sciences and SUS group of institutions, tangori on dated 07-09 Feb. 2016.
23. A paper titled "Study of cob, shells and husk potential for power generation using geographical information system" presented in 4th international conference titled " Advancements in engineering and technology" conducted by BGIET, Sangrur on dated March 18-19, 2016.

**LIST OF SHORT TERM COURSES/TRAINING PROGRAMMES/REFRESHER
COURSES/ORIENTATION COURSES ATTENDED**

1. A “computer course in AUTO-CAD” organized by Science and Technology Entrepreneurs Park, Guru Nanak Dev Engineering college, Ludhiana from dated 17-03-1997 to 12-04-1997 and secured ‘A’ Grade.
2. A computer course titled “Pro Engineer Wildfire 3.0 Software Package” organized by Adroitec Information Systems Limited, New Delhi, from dated 21-01-2008 to 25-01-2008 (one week) at Yadavindra College of Engineering, Talwandi Sabo.
3. An Orientation Course organized by Academic Staff College, Panjab Univesity, Chandigarh from dated 03.03.2009 to 30.03.2009 and secured ‘A’ Grade.
4. A Short Term Course titled “CAD/CAM: Technology and Applications” organized by Department of Mechanical Engineering, SLIET, Longowal, from dated 13-07-2009 to 24-07-2009.
5. Conducted National Level Science Talent Search Examination-2010 organized by UNIFIED COUNCIL, INDIA at College of Engineering, Rampura –Phul on dated 31st January, 2010
6. A Refresher Course titled ‘Information Technology’ organized by Academic Staff College, Panjab University, Chandigarh from dated 05.03.2010 to 25.03.2010 and secured ‘A’ Grade.
7. Participated in the 2nd National Conference titled “Recent Advances in Bio Energy Research” sponsored by Ministry of New and Renewable Energy, Government of India, organized by SSS-NIRE, Kapurthala on dated December 7-8, 2012
8. Participated in 38th refresher course organized by ASC, PU,Pta titled “computer science and information technology (ID)” from dated 14-11-2013 to 04-12-2013.
9. Participated in TEQIP-II FDP programme on “Micro/Nano material removal and additive technologies in advanced manufacturing” organized by Mech. Engg. Deptt., GNEC, Ludhiana dated 28th July to 1st August 2014.
10. Participated in TEQIP-II STTP titled “ Renewable energy applications: practices and challenges” organized by department of Electrical and Instrumentation engineering, SLIET Longowal dated December 21-25, 2015.