

MALOUT INSTITUTE OF MANAGEMENT & INFORMATION TECHNOLOGY



FACULTY PROFILE

Name: Dr. Rajesh Choudhary

Designation : Assistant Professor, Incharge Mechanical Engg. Deptt.

Qualification: Ph.D (Mechanical Engg.)

Specialization: Non Conventional Machining,

Processing of metal matrix composites, Modelling & Optimization of machining processes



Publications in International Journals and Conferences				
Sr. No.	Title of paper	Name of the Journal/ Conference	Vol. & Year	Pages
1.	Experimental and Morphological Investigations into Electrical Discharge Surface Grinding of 6061Al/Al ₂ O ₃ 10% composite by composite tool electrode	Journal of Materials Engineering & Performance (Springer IF: 0.98)	23 (4) April 2014	1489-1497
2.	Machining Performance and Surface Integrity of AISI D2 Die Steel machined using Electrical Discharge Surface Grinding Process	Journal of Materials Engineering & Performance (Springer IF: 0.98)	22(12) Dec. 2013	3665-3673
3.	Analysis of Electro discharged machined surfaces of AISI D3 Steel by composite tool electrode	International Journal of surface Engineering & Materials Technology	02 July-Dec. 2012	53-58
4.	Structural Analysis of electrodischarge machined surfaces of EN31 Tool steel	Tribology: Material Surfaces Interfaces (Maney publishers)	3(2) 2009	74-83
5.	Performance & Surface Integrity of Nimonic 75 alloy machined by Electrical discharge Machining	4 th International Conference on Materials Processing & Characterization	14-15 March, 2015	Materialstoday: Proceedings (Elsevier) 2(2015)3481-3490
6.	Investigations into Electrical discharge surface grinding of 6061Al/Al ₂ O ₃ 10% composite by composite tool electrode	3 RD International Conference on Production & Industrial Engineering (CPIE 2013)	2013	899-908

7.	Experimental Analysis of EN-31 tool steel by electric discharge machining.	International Conference on Production & Industrial Engineering (CPIE 2007)	22-24 March, 2007	
Publications in National Journals and Conferences				
8.	Analysis & Evaluation of Heat Affected Zones in Electrical discharge Machining of EN-31 Die steel.	Indian Journal of Engineering & Material Science (IJEMS)	67(12) 2008	1072-1077
9.	Analysis of electro discharge machined surfaces of EN-31 Tool steel.	Journal of Scientific & Industrial research	17 April 10	91 - 98
10.	Study of electrical discharge machining process for EN-31 Tool steel	Manufacturing Technology Today	07 Jan. 2008	37 - 41
11.	Experimental Investigation into electrical discharge machining of AISI D3 die steel using composite tool electrode	National Conference on Innovation in Futuristic materials & manufacturing techniques	26-27 Dec. 2014	Proceedings to be published by Taylor & Francis group
12.	Effect of cryogenic treated tool electrodes on electrical discharge machining of AISI D3 die steel	National Conference on Innovation in Futuristic materials & manufacturing techniques	26-27 Dec. 2014	Proceedings to be published by Taylor & Francis group
13.	Electroless copper plating of silicon carbide SiC for Cu/SiCp metal matrix composite	National conference on emerging vistas of Mechanical Engineering In 21st century	2011	342-347
14.	A review on Abrasive Electrical Discharge Surface Grinding (AEDSG): A hybrid approach on EDM and conventional grinding	National Conference on Welding Technology (NCWT 2009)	13-14 Feb. 2009	Abstract Book published
15.	Electrical discharge machining (EDM) as a production process: A practical approach	National Conference on recent developments in Mechanical Engg. at TIET Patiala	10-11 Nov. 2006	188-183
16.	Role of Industry Institute to Product Management.	Emerging Trends in Mechanical Engg. at NIT Kurukshetra.	29-30 Mar. 2005	510-514
17.	Role of Mechatronics in Manufacturing.	Role of Mathematics in Engineering. MIMIT Malout	26-28 Mar. 2005	1-5
18.	Changing Management culture, its accuracy, Efforts Involvement and their Failure .	National Conference on Transforming Traditional Business. PCMA Conference 2005 at Ludhiana.	26-28 Feb. 2005	1-12

19.	Change Management: Essence of Organization Development.	Conference on Transforming Traditional Business. PCMA Conferences 2005 at Ludhiana.	26-28 Feb. 2005	2005
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LIST OF RESPONSIBILITIES

S.No	Name of Charge	Duration
1.	Incharge Mechanical Engg.	01-08-2008 – till date
2.	Chairman DRC Committee	29-08-13 to 28-10-14
2.	Incharge Transport	18-08-04 to 31-07-2008 & 04-09-08 to 15-09-11
3.	Incharge Guest House	01-08-08 to 15-09-11
4.	Resident Engineer cum Estate officer	15-09-11 to 01-10-14
5.	Incharge M.Tech Mechanical Engg.	12-07-10 to 01-10-14
6.	Member of core committee for TEQIP-II Proposal	06-07-10
7.	Incharge Institute Time Table	08-04-10 to till date
8.	Nodal Officer of Institute for welfare department of Punjab Govt.	09-07-15 to date
9.	Co-Chair in Technical session at conference RITME 2015 at MIMIT	27-28, March 2015
10.	Head Examiner for PTU Evaluation Center at MIMIT	from 2009 to till date
11.	Expert for interview for the selection of Lecturer workshop practice at GZSCET Bathinda	05-12-08
12.	Member of AICTE project evaluation committee (PEC)	12-04-11

DETAILS OF PROJECTS COMPLETED

S.No	Title of Project	Granting Agency	Amount of Grant	Year of Completion
1.	Hostels for SC/ST students	AICTE, New Delhi	2 Crores	2014
2.	Modernization of tool room of workshop in Mechanical Engg. Department (MODROBS)	AICTE, New Delhi	9.5 Lakhs	2014
3.	Modernization of Manufacturing lab with Flexible Manufacturing Cell (MODROBS)	AICTE, New Delhi	14.5 Lakhs	2009

DETAILS OF THESIS COMPLETED

S.No	Title of M.Tech Thesis	Name of Institute/Uni.	Year of degree awarded
1.	Investigation on Performance of Copper Ceramic Based Composite Tool Electrode in Electric Discharge Machining Process	Punjabi University, Patiala	2011
2.	Some investigations into Electrical Discharge Machining of Titanium alloy (Ti-6Al-4V) using different tool electrodes	MIMIT, Malout	2014

REVIEWER OF JOURNALS

S.No	Name of the Journal
1.	Journal of Engineering Manufacture
2.	Journal of Brazilian Society of Mechanical Sciences and Engineering
3.	Advance Materials Research and Application

SHORT TERM COURSE ORGANISED

S.No	Name of STC	Sponsored Agency	Duration/Year
1.	Advances in Materials & Manufacturing Technology	PTU, Jal.	One week/ 18-22 July 2011
2.	Advances in Welding Technology & Surface Engineering	PTU, Jal.	One week/ 09-13 July 2012

3.	Research Methodology	NITTTR, Chd.	15-19 April 2013
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PROFESSIONAL MEMBERSHIPS

S.No	Associations	Membership No.
1.	IAENG Hong Kong (International)	101686
2.	ISTE New Delhi (National)	LM 95979