CURRICULUM VITAE

Prof. Dr. Rafiq Ahmad

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PERSONAL INFORMATION

Father's Name:	Muhammad Siddique (Late)
Date of Birth:	03-01-1959
N.I.C #:	35200-1432293-5
Educational Qualification:	PhD Metallurgical Engineering (University of Leeds, UK),
	M.Sc (Engg.) Metallurgical Engineering (UET),
	B.Sc (Engg.) Metallurgy and Materials Science (PU).
Area of Specialization:	Foundry Engineering, Corrosion Engineering

ACADEMIC / ADMINISTRATIVE RESPONSIBILITES

- Principal, College of Engineering and Emerging Technologies, University of the Punjab, Lahore. (September 10, 2011 to date)
- Chairman, Department of Metallurgy and Materials Engineering, College of Engineering and Emerging Technologies, University of the Punjab, Lahore. (June 23, 2008 to date).
- Chairman, Department of Electrical Engineering, College of Engineering and Emerging Technologies, University of the Punjab, Lahore. (June 25, 2010 to date).
- Professor, Institute of Chemical Engineering and Technology, University of the Punjab, Lahore (July 25, 2004 to June 30, 2005).
- Professor, College of Engineering and Emerging Technologies, University of the Punjab, Lahore (July 01, 2005 to date).
- Director, Directorate of Students Affairs, University of the Punjab, Lahore. (May 28, 2012 to January 01, 2013)
- Research Papers, More than ninety research papers have been published in International and National reputed journals including impact factors and HEC recognized journals.

- Proceedings, Conferences and Seminars, Attended and presented research papers in various International/National proceedings, conferences and seminars.
- Research Projects, Four research projects of international/national level were completed. (funded by various organizations like PSF, HEC etc.)
- M. Phil/M.Sc (Engg.) Research Projects, Various M.Phil/M.Sc (Engg.) research projects were supervised at Institute of Chemical Engineering and Technology, Department of Solid State Physics, Department of Chemistry, Forman Christian College, Lahore and Department of Metallurgy and Materials Engineering, College of Engineering and Emerging Technologies, University of the Punjab, Lahore.
- Expert Member, Various PhD research projects at University of Engineering and Technology, Lahore.
- Present Research Work, Various post-graduate projects of M.Phil/M.Sc (Engg.) are in process.
- Collaborative Research, Collaboration of research activities of College of Engineering and Emerging Technologies with various industries as well as with other universities.
- Labs Development, Foundry and Corrosion labs were mechanized and new labs including Physical Metallurgy as well as welding labs were developed.
- Member Curriculum Committee, Courses prepared for the Postgraduate Diploma in Foundry Technology and Corrosion Technology, Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.
- > Member, Technical committees of various International/National seminars.
- Teaching Experience, A large number of engineering subjects both at undergraduate level and post graduate level were taught at University of Leeds, England, University of Engineering and Technology, Lahore and University of the Punjab, Lahore.
- Expert Member, Selection Board, University of Engineering and Technology, Lahore.
- Expert Member, Selection Board, University of Engineering and Technology, Taxila.
- Convener/Member, Curriculum development of various courses for Pakistan Engineering Council (PEC) and Technical Education & Vocational Training Authority (TEVTA).

- > Member, Disciplinary Committee, University of the Punjab, Lahore
- > Member, Various selection boards of University of the Punjab, Lahore.
- > **Member**, Academic Council, University of the Punjab, Lahore.
- Member, Board of Faculty, Faculty of Engineering and Technology, University of the Punjab, Lahore.
- Member, Board of Faculty, Faculty of Pharmacy, University of the Punjab, Lahore.
- Member, Committee to Supervise the Laptop Distribution, University of the Punjab, Lahore.
- Chairman, Management Board of Benevolent Fund for "A" Class Employees, University of the Punjab, Lahore.
- Member, Board of Under-graduate and Post Graduate Studies for Metallurgy and Materials Engineering, University of Engineering and Technology, Taxila.
- Member, Departmental Tenure Review Committee, Bahuddin Zakariya University, Multan.
- Member, HEC Need Based Scholarship Committee, University of Engineering and Technology, Lahore.
- Member, Departmental Purchase Committee of Quality Enhancement Cell, University of the Punjab, Lahore.
- Member, Departmental Purchase Committee of Department of Polymer Engineering and Technology, University of the Punjab, Lahore
- Member, Departmental Purchase Committee of Institute of Quality and Technology Management, University of the Punjab, Lahore
- Convener, Board of Studies, College of Engineering and Emerging Technologies, University of the Punjab, Lahore.
- Member, Board of Studies, Institute of Quality and Technology Management, University of the Punjab, Lahore.
- Member, Board of Studies, Textile Engineering and Technology, University of the Punjab, Lahore
- Member, Committee for Preliminary Hearing of Appeals in the Disciplinary Cases, University of the Punjab, Lahore.
- Member, Board of Studies, Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.

- Member, Selection Committee of Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.
- Member, Selection Committee of Department of Textile Engineering and Technology, University of the Punjab, Lahore.
- Member, Selection Committee of Institute of Quality and Technology Management, University of the Punjab, Lahore.
- Member, Purchase Committee of Faculty of Engineering and Technology, University of the Punjab, Lahore.
- Member, Corrosion Control Research Cell (CCRC), Faculty of Engineering and Technology, University of the Punjab, Lahore.
- External Examiner, A large number of theses both at undergraduate, post graduate and PhD level were examined, supervised and evaluated at various universities including University of Engineering and Technology, Lahore, Govt. College University, Lahore and Ghulam Ishaq Khan Institute of Science Topi, Swabi.
- Student Advisor, Institute of Chemical Engineering and Technology (ICET), Lahore. (More than five years)
- Editor/Member, The Journal "The Pakistan Metallurgist", an official publication of the Pakistan Institute of Metallurgical Engineers, Lahore.
- > Professional Engineer (Metall/410), Pakistan Engineering Council, Pakistan.
- > **Member**, Society of Corrosion Engineers, Pakistan.
- **Fellow,** Institute of Pakistan Foundrymen, Lahore.
- Fellow, Pakistan Institute of Metallurgical and Materials Engineers, Lahore. (PIMME)

ACHIEVEMENTS / HONORS

- Second Position in B.Sc. (Engg.) Metallurgy & Materials Science Examination of the University of the Punjab, Lahore.
- > Merit Scholarship holder during B.Sc Engineering examinations.
- Central Overseas Training (COT) Scholarship for Ph.D. Studies in England, awarded by Ministry of Education, Government of Pakistan from January 7, 1993 to January 6, 1997.
- Shields were awarded from various organizations on the occasion of International/National seminars.

- Elected as Executive Member of Pakistan Institute of Metallurgical Engineers for three consecutive years (1990-1992).
- Elected as Treasurer of Pakistan Institute of Metallurgical Engineers for two consecutive years (1998-1999).
- Elected as Finance Secretary of Institute of Pakistan Foundrymen for the year 1999.
- Elected as General Secretary of Pakistan Institute of Metallurgy and Materials Engineers for the year 2012, 2013 and 2014.
- Got 3rd position for the Innovation Award in the 3rd Invention to Innovation Summit, 2014 by ORIC, University of the Punjab, Lahore.

ADMINISTRATIVE ACHIEVEMENTS

- Department of Electrical Engineering has won a lot of competitions, prizes, trophies, shields etc during the year 2010, 2011, 2012, 2013, 2014 and 2015.
- Department of Metallurgy and Materials Engineering also won competitions on various occasions.
- > B.Sc. (Engg.) Electrical Engineering degree was accredited.
- > M.Sc. (Engg.) Electrical Engineering degree was started.
- > B.Sc. (Engg.) Metallurgy and Materials Engineering degree was accredited.
- > M.Sc. (Engg.) Metallurgy and Materials Engineering degree was started.
- > Ph.D. (Engg.) Metallurgy and Materials Engineering degree was started.
- New labs of Electrical Engineering and Metallurgical Engineering were established.

ACADEMIC RECORD

Examination	Year of Passing	Subject	Board/University
Matric/SSC	1974	Science	Board of Intermediate and
			Secondary Education, Lahore
Intermediate	1977	Pre-Engineering	Board of Intermediate and
(F.Sc.)			Secondary Education, Lahore
B.Sc. (Engg.)	1984	Metallurgy and	University of the Punjab, Lahore
		Materials Science	
M.Sc.(Engg.)	1988	Metallurgical	University of Engineering and
		Engineering	Technology, Lahore

Ph.D.	1996	Metallurgy	University of Leeds, Leeds LS2 9JT
			England, U.K.

EMPLOYMENT RECORD

1984-86	Research Officer at the Institute of Chemical
	Engineering and Technology, University of the
	Punjab, Lahore, Pakistan, sponsored by Pakistan
	Science Foundation.
	2 Years experience as Research Officer
	(01-12-84 to 30-11-86)
1986-88	Part-Time Lecturer (Metallurgy) at the Institute of
	Chemical Engineering and Technology, University
	of the Punjab, Lahore, Pakistan.
	2 Years experience as Part-Time Lecturer
	(01-12-86 to 14-09-88)
1988-95	Lecturer (Production Metallurgy) at the Institute of
	Chemical Engineering and Technology, University
	of the Punjab, Lahore, Pakistan.
	7 Years experience as Lecturer
	(15-09-88 to 17-07-95)
1995-2000	Assistant Professor (Materials Science) at the
	Institute of Chemical Engineering and Technology,
	University of the Punjab, Lahore, Pakistan.
	5 Years experience as Assistant Professor
	(18-07-95 to 20-04-2000)
2000-2004	Associate Professor (Metallurgy) at the Institute of
	Chemical Engineering and Technology, University
	of the Punjab, Lahore, Pakistan.
	4 Years experience as Associate Professor
	(21-04-2000 to 24-07-2004)
2004 to 2005	Professor (Chem.Engg./Metallurgy) at the Institute
	of Chemical Engineering and Technology,
	University of the Punjab, Lahore, Pakistan.
	(25-07-2004 to 30-06-2005)
2005 to date	Professor (Metallurgy) at the College of Engineering
	& Emerging Technologies, Faculty of Engineering &
	Technology, University of the Punjab, Lahore,
	Pakistan (01-07-2005 to date).

TRAINING COURSES

- Worked as Trainee Engineer in Ittefaq Foundries Ltd., Kot Lakhpat, Lahore for a period of six weeks (20-06-82 to 31-07-82).
- Worked as Trainee Engineer in Reliable Machinery Corporation, Badami Bagh, Sham Nagar, Lahore for a period of five months (18-03-84 to 25-08-84).
- Worked as Trainee Engineer in Pakistan Engineer Co. Ltd., Badami Bagh works, Lahore for a period of three months (29-08-84 to 24-11-84).
- Successfully completed Accu–Type keyboard proficiency course–a certificate course by University of Leeds, Leeds LS2 9JT U.K.
- Attended a short course on "Welding" (September 10 20, 1990) organized jointly by University of Engineering & Technology, Lahore and the Institution of Engineers Pakistan, Lahore Centre.
- Attended a short course on "Heat Treatment and Metallography" (October 1 – 11, 1990) organized jointly by University of Engineering & Technology, Lahore and the Institution of Engineers Pakistan, Lahore Centre.
- Attended a two days short course on "Non-Destructive Evaluation of Weldments and their Remedies" (December 13 – 14, 2010) organized by Department of Metallurgy and Materials Engineering, College of Engineering and Emerging Technologies, University of the Punjab, Lahore.
- Attended a two days short course on "ASME Section VIII Division 1" (April 2 – 3, 2011) organized by Department of Metallurgy and Materials Engineering, College of Engineering and Emerging Technologies, University of the Punjab, Lahore.

OTHER TEACHING EXPERIENCE IN INTERNATIONAL/NATIONAL UNIVERSITIES

- Worked as demonstrator in School of Materials, University of Leeds, Leeds LS2 9JT Uk for a period of 3 months (17-02-94 to 12-05-94).
- Worked as visiting teacher in the Department of Metallurgical Engineering and Materials Science, University of Engineering and Technology, G.T. Road, Lahore during the academic session 1998 – 1999.

LIST OF RESEARCH PROJECTS

The following research projects were successfully completed:

- Disbondment of 3L Epoxy/PE Coating and Integrity of Gas Transmission Pipeline Sponsored by SSGC, PSF and Institute of Chemical Engg. & Technology.
- Studies of Atmospheric, Underground and Industrial Corrosion Processes Sponsored by Pakistan Science Foundation.
- Development of High Purity Alloy Steel Sponsored by Pakistan Atomic Energy Commission.

LIST OF RESEARCH PUBLICATIONS

International Publications (With Impact Factor)

Sr.	Title of Paper	Name of the	Impa	Vol.	Page	Year of
No.		Journal	ct		Nos.	Publication
			Fact			
			or			
1.	Analysis of Metallurgical	Journal of	4.57	9(1)	485-498	2017
	Aspects and their role in	Fundamental and				
	Processing and	Applied Sciences				
	Performance of Super					
	alloys: A Review					
2.	Studying the Effect of	Advanced	0.23	1133	300-304	2016
	Precipitation Hardening	Materials				
	on 6061 Aluminum Alloy	Research				
	Weldments					
3.	Effect of Thal Silica Sand	Iranian Polymer	1.806	24(1)	21-27	2015
	nanoparticles and glass	Journal				
	fiber reinforcements on					
	epoxy-based hybrid Composite					
4.	Estimating the	Journal of	2.063	22(0)	153-158	2015
	degradation of	Industrial and		(')		
	methylethionium chloride	Engineering				
	dye on nanotubular TiO ₂	Chemistry				
F	structure		1 1			2014
5.	Maleated high oleic sunflower oil-treated	Polymer	1.4	-	-	2014
	cellulose fiber-based	Composites, Article first				
	styrene butadiene rubber					
	composites	published online:				
		DOI:				
		10.1002/pc.23273				

6.	Corrosion behavior of X-	The Arabian	0.367	39(7)	5393-5404	2014
	70 pipe steel in crude oil environments depending upon surface	Journal for Science and Engineering				
7	characteristics	NA . (0.4	50/4	4.4.47	0044
7.	Peculiar corrosion behavior of type 316L SS in simulated cooling water at various pH values	Materials Performance, NACE International	0.1	53(1 0)	44-47	2014
8.	Studying the formation of Fe_2SiO_4 and Pearlite phases in Iron-Silica Sand Nanoparticles Composites.	Defect and Diffusion Forum	0.31	337- 338	39-47	2013
9.	Studying the Effects of adding Silica Sand Nanoparticles on Epoxy based Composites: Nano/Microstructured Materials:	Rapid, Low- Cost, and Eco- Friendly Synthesis Method	-	1(1)	-	2013
10.	Investigating the failure of bevel gears in an aircraft engine	Case Studies in Engineering Failure Analysis	1.028	1(1)	24-31	2013
11.	Effect of Different Modif on Microstructure Strength of Locally Develo A356 Al-Si Alloy	Defect and Diffusion Forum	0.31	344	9-17	2013
12.	Studying the Effect Different Combinations of Modifier on the Mechar Properties and Microstruc of A356 Al-Si Alloy	Defect and Diffusion Forum	0.31	344	27-36	2013
13.	Investigating the Pitting Resistance of 316 Stainles Steel in Ringer's Solution using the Cyclic Polarizatic Technique	Defect and Diffusion Forum	0.31	344	1-7	2013
14.	-	Defect and Diffusion Forum	0.31	344	55-70	2013
15.	÷	Defect and Diffusion in Semiconductor s	0.31	332	7-16	2012

16.	Intergranular Pittin		2.102	212	61-66	2012
	Tendency of Yttriu	Coating				
	Implanted Inconel 600 i Acidic Chloride Media	Technology				
17.		Materials and	1.077	63	-	2012
	Ti-Ta-Sn alloy systems in	Corrosion		00		
	0.9% NaCl solution	Concolon				
18.		Engineering	0.765	18	1247-1252	2011
10.	Assessment of Plate	Failure Analysis,	0.700	10	1211 1202	2011
	Forming Reactor Vessels	Netherlands				
19.	,	Journal of Applied	0.04	11	1857-1861	2011
13.	Strengthening of 2219	Sciences,	0.04		1007-1001	2011
	Aluminium Alloy by	Pakistan				
	Mechanical Working and	i anistari				
	Heat Treatment					
20.		Engineering	0.765	17	886-893	2010
20.	0	Engineering	0.765	17	000-093	2010
	Heat Exchanger Plates	Failure Analysis, Netherlands				
	due to Pitting Corrosion		0.004	1.10	055.000	0040
21.	Microstructural and	Key Engineering	0.224	442	255-262	2010
	Electrochemical	Materials,				
	Characterization of	Germany				
	Ni/Ti ₂ N Composite					
	Coating for Sintered					
	NdFeB Permanent					
	Magnets			• ·		
22.	,	Materials and	1.694	31	3051-3055	2010
	and Electrochemical	Design,				
	Behavior of Low Alloy	Netherlands				
	Steel Weldment					
23.	Effect of Superheating on	International	0.418	15	497-504	2003
	Iron-rich Plate-type	Journal of Cast				
	Compounds in	Metals Research,				
	Aluminium-Silicon Alloys	UK				

International Publications (Without Impact Factor)

Sr.	Title of Paper	Name of the Journal	Vol	Page Nos.	Year of
No.					Publication
24.	Spheroidisation of Iron Containing Intermetallic Sludge Particles	Foundry Trade Journal, United Kingdom	177	20-21	2003
25.	Effect of Filtration in Sand Cast Al-Si Alloy	Foundry International Journal, United Kingdom	22	46-48	1999

National Publications (HEC Recognized Journals)

Sr. No.	Title of Paper	Name of the Journal	HEC Categor y	Vol.	Page Nos.	Year of Publication
26.	A Comparative Study of Different Electrolytes on Anodizing of 2024 Aluminum Alloy and Electrochemical Behavior of Anodized Film	Journal of Pakistan Institute of Chemical Engineers	Ϋ́,	44(1)	29-40	2016
27.	The Production and Characterization of Ultrafine-Grained Metal Sheets Produced by Accumulative Roll Bonding Process	Journal of Pakistan Institute of Chemical Engineers	Ϋ́,	43(2)	1-8	2015
28.	Computer Aided Materials Selection	Journal of Quality and Technology Management, Pakistan	'X'	8	53-59	2012
29.	The Role of Cu Additions in Al on the Properties of Hot-Dip-Aluminized Steel	Journal of Quality and Technology Management, Pakistan	ʻX'	6	149-164	2010
30.	CorrosionProtectionEvaluation of Mild SteelPaintedSurfacebyElectrochemicalImpedanceSpectroscopy	Journal of Quality and Technology Management, Pakistan	Ϋ́	5	82-93	2009
31.	Controlling Inclusions Through Filtration in Investment Casting Process	Journal of Pakistan Academy of Sciences, Pakistan	'X'	41	121-128	2004
32.	Porosity Formation and Remedial Measures in High Pressure Die Cast Aluminium Alloy Components	Journal of Pakistan Academy of Sciences, Pakistan	ʻX'	39	233-239	2002

33.	Microscopy of As- Received and Used Ceramic Foam Filters	Journal of Pakistan Academy of Sciences, Pakistan	'Χ'	37	165-170	2000
34.	Degassing of Aluminium Alloys using a Mobile Degassing Unit	Journal of Pakistan Academy of Sciences, Pakistan	'Χ'	35	87-97	1998
35.	Identification of Weld Discontinuities in 304L SS by Radiographic Testing (RT)	Journal of Faculty of Engineering & Technology, Pakistan	'Υ'	17	95-105	2010
36.	Glass Fiber-Reinforced Phenolic Composite	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́	XXX VII	55-60	2009
37.	Corrosion Inhibition Evaluation Of Alpha- Beta Brass In Tap Water	Journal of Pakistan Institute of Chemical Engineers, Pakistan	'Υ'	XXX VII	69-72	2009
38.	Characterization of Mild Steel Pre Rusted and Rust Converted Surface through Advanced Electrochemical Analysis	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́	XXX VI	1-8	2008
39.	Coupons Corrosion Test Methods with Special Reference To Corrosion Gauge Points	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́,	XXX VI	41-48	2008
40.	A Study of Electroplating of Nickel and Chromium on Mild Steel	Journal of Faculty of Engineering & Technology, Pakistan	Ϋ́	-	21-29	2006

41.	Modification of the Structure of Automobile Pistons	The Pakistan Engineer, Pakistan	'Υ'	-	39-43	2005
42.	MonitoringCoatingsFailureandIntegrityofCoating-CPSystem forPipelineCorrosionControl (Part-III)	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́,	XXXI I	11-22	2003
43.	Effect of Temperature and Holding Time on the Coating Thickness and Concentration of Phases Found on Aluminium – Iron Interface	Journal of Pakistan Institute of Chemical Engineers, Pakistan	·Ϋ́	XXXI	1-6	2002
44.	Monitoring Coatings Failure and Integrity of Coating – CP System for Pipeline Corrosion Control (Part-2)	Journal of Pakistan Institute of Chemical Engineers, Pakistan	'Υ'	XXXI	17-27	2002
45.	General Overview of 3L Epoxy/PE Underground Pipeline Coating	Journal of Faculty of Engineering & Technology, Pakistan	Ϋ́	-	23-42	2001-2002
46.	Monitoring Coatings Failure and Integrity of Coating – CP System for Pipeline Corrosion Control (Part-1)	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́,	XXX	39-46	2001
47.	Identification of Phases Formed at the AI-Fe Interface during Aluminizing Process of Medium Carbon Steel	Journal of Pakistan Institute of Chemical Engineers, Pakistan	'Υ'	XXX	69-74	2001
48.	Image Analysis – A Technique for Quantification of Fibre Orientation in Short Fibre Reinforced Metal Matrix Composites	Journal of Pakistan Institute of Chemical Engineers, Pakistan	Ϋ́	XXVI II	11-15	1999

49.	Development of Nickel	Journal of	Ϋ́	XXVI	19-24	1998
	Aluminium Bronze and its	Pakistan Institute		I		
	Corrosion Evaluation in	of Chemical				
	Sea Water	Engineers,				
		Pakistan				
50.	Processing and	Journal of	Ϋ́	XXVI	13-18	1998
	Microscopy of Iron-Rich	Pakistan Institute		I		
	Compounds	of Chemical				
		Engineers,				
		Pakistan				

National Publications (Reputed Journals of Pakistan)

Sr.	Title of Paper	Name of the	Vol./No	Page	Year of
No.		Journal		Nos.	Publication
51.	Localized Corrosion Study of	Engineering	XXIV	27-31	2011
	316L Bio-Implant in Simulated	Horizons, Pakistan			
	Body Fluids				
52.	Modification of AI-Si (13%)	Journal of Scientific	XXXVII	55-69	2007
	Alloy Using Different Modifiers	Research, Pakistan			
53.	Modification of the Structure	The Pakistan	-	39-43	2005
	of Automobile Pistons	Engineer, Pakistan			
54.	Development of Aluminium	The Pakistan	-	37-40	2003
	Magnesium Alloy using	Engineer, Pakistan			
	Locally Available Techniques				
55.	Advanced Materials in Armour	Engineering	132	17-20	1999
	Protection	Horizons, Pakistan			
56.	Ceramic Foam Filters – A	Engineering	125	15-17	1998
	Better Approach for Inclusions	Horizons, Pakistan			
	Retention in Molten Metals				
57.	Scaling or Oxidation of Steel	The Pakistan	12	64-65	1990
	Components	Metallurgist,			
		Pakistan			
58.	Corrosion Characteristics of	The Pakistan	12	23-26	1990
	Silicon-Aluminium Bronze	Metallurgist,			
		Pakistan			
59.	A Substitute for Patented	The Pakistan	11	36-38	1989
	Commercial Simples Process	Metallurgist,			
	of Electroplating	Pakistan			
I					

60.	Failure Analysis of New Boiler Tubes	The Pakistan Metallurgist, Pakistan	11	12-21	1989
61.	Data on Atmospheric Corrosion of Mild Steel at Lahore	The Pakistan Metallurgist, Pakistan	10	47-52	1988
62.	Corrosion Behaviour of Copper-Manganese- Aluminium Alloy in Sea Water	The Pakistan Metallurgist, Pakistan	10	15-21	1988
63.	A Study of Corrosion of Aluminium Bronze Containing Iron	The Pakistan Metallurgist, Pakistan	9	41-46	1987

International Proceedings (With Impact Factor)

Sr.	Title of Paper	Organizer and Place
No.		
64.	Effect of Modification using NaF with BaCl ₂ on Microstructure and Mechanical Properties of A356 Al-Si Alloy	International Young Engineers Convention, IYEC, 17-19 April, 2014
65.	Studying the Effect of Precipitation Hardening on 6061 Aluminum Alloy Weldments,	2nd Advanced Materials Conference (AMC) 2014, 25-26 November, Lankawi, Malaysia
66.	Anti-corrosion behaviors of Ni/Ti ₂ N composite coated sintered NdFeB permanent magnets	Proceedings of 18 th International Corrosion Congress, Perth Australia, 20-24 November 2011.
67.	A Study of Aging Effects on Hardness and Tensile Properties of 2219 Aluminum Alloy	Proceedings of the International Conference of Materials Science and Technology (MS & T07), September 16-20, 2007 at COBO Centre in Detroit U.S.A. by American Society for Materials(ASM), U.S.A.

International Proceedings (Without Impact Factor)

Sr. No.	Title of Paper	Organizer and Place
	Sliding Friction Behavior of	Materials Science and technology(MS & T) 2016
	Aluminum Based Hybrid Composites	October 23-27, 2016, Salt Palace Convention
		Center, Salt Lake City, Utah, USA

68.	Study of the Microstructure and	Materials Science and technology(MS & T) 2015
	Mechanical Properties of locally	October 4 – 8, 2015, Greater Columbus
	developed Carbon Fiber-Silica Sand	Convention Center, Columbus, Ohio, USA
	Nanoparticles Aluminum based	
	Hybrid Composites	
69.	Comparison of Thermal Interfacial	Carbon 2013, Windsor Atlântica Hotel –
	Performance of Carbon Nanofiller-	Copacabana Beach – Rio de Janeiro, 14-19 July,
	Based Polymer Composites	2013
70.	Engineering Failure Analysis in	Proceeding of International Conference on
	Chemical Process Industries	Engineering Sciences ICES 2012,
		28-29 February, 2012
71.	Electrochemical Comparison of API	Proceeding of International Conference on
	X-70 Steel Surfaces in Base Oil	Engineering Sciences ICES 2012,
		28-29 February, 2012
72.	Investigating the Effect of Welding	Proceeding of International Conference on
	on Electrochemical Behavior of	Engineering Sciences ICES 2012,
	SA516 (Grade 70)	28-29 February, 2012
73.	Corrosion and Corrosion Damages	Proceedings of 3rd International Conference on
	in Practice	Corrosion and Pipeline Integrity Management
74.	Development and Characterization	2012, 17 th May 2012.
74.	Development and Characterization of Hydroxyapatite Powder from	Proceedings of the 2nd International Symposium on Biomedical Materials: Current Research and
	Natural Bovine Bones	Future Signposting, IRCBM, 6-7 July, 2010.
	Natural Dovine Dones	
75.	Effect of Silicon Content on the	Proceedings of the 3rd International Conference on
	Hardness of Artificially Aged LM 25	Frontiers of Advanced Engineering Materials,
	Alloy	15-17 December 2008 organized by Pakistan
		Institute of Technology for Minerals and Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore .
76.	Semi-Solid Metal Processing of Al-Si	Proceedings of the 3rd International Conference on
	alloys	Frontiers of Advanced Engineering Materials,
		15-17 December 2008 organized by Pakistan
		Institute of Technology for Minerals and Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore.
77.	Development of G-AI-Si 10 Mg (LM	Proceedings of the 2nd International Conference
	09) Alloy and Effect of Artificial Aging	on Frontiers of Advanced Engineering Materials,
	Time on Its Hardness.	4-6 December 2006 organized by Pakistan
		Institute of Technology for Minerals and Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore

78.	Influence of Welding Parameters on	Proceedings of the 2nd International Conference
	Tensile Properties of Friction Stir	on Frontiers of Advanced Engineering Materials,
	Welded A 2219 Aluminum Alloy	4-6 December 2006 organized by Pakistan
		Institute of Technology for Minerals and Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore.
79.	Development of ADI (Austempered	Proceedings of First International Conference on
	Ductile Iron) and Effect of	Frontiers of Advanced Engineering Materials,
	Austempering Temperature on its	20-22 September 2004, organized by Pakistan
	UTS	Institute of Technology for Minerals & Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore.
80.	Re-Precipitation of Carbides	Proceedings of First International Conference on
	Austenitic Manganese Steel Parts in	Frontiers of Advanced Engineering Materials,
	Service	20-22 September 2004, organized by Pakistan
		Institute of Technology for Minerals & Advanced
		Engineering Materials, PCSIR Laboratories
		Complex, Lahore.
81.	Application of Ceramic Foam Filters	Proceedings of 6th International Symposium on
	to Aluminium Alloys In-Mould	Advanced Materials, 19-23 September 1999,
	Filtration	organized by Dr. A.Q. Khan Research Labs.
		Islamabad, Pakistan.

National Proceedings

Sr.	Title of Paper	Organizer and Place
No.		
82.	Production of Thal Silica Sand Nanoparticles for Metal Matrix Composites,	1 st International Conference of Applied Chemistry, 18-20 November 2013, Faisalabad Pakistan
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