FACULTY ACADEMIC PROFILE

Name	Dr. Ha	zoor Singh Sidhu		
Designation	Profes	sor		
Department/ Section/	Mecha	nical Engineering		
Subject				
Official Address	Yadav	indra College of Engineeri	ng, Punjabi	
	Univer	sity Guru Kashi Campus,	0	
	(Distt.	Bathinda) Punjab India - 1		
Contact No. (s)	+91-81	46260200		
Email (s)	hazoo	rs@yahoo.com		
ACADEMIC QUALIFICATION	ONS			
Degree		Degree Name	University	
PhD		PhD		PTU
Post-Graduation		M.Tech (Mech. Eng	ıg.)	PTU
Graduation		B.Tech (Mech Eng	g.)	PTU
Any other				
Thrust Areas/	1.	Surface Engineering		
Research Interests	2.	Coating and Material Tech	nnology	
	3.	<u> </u>		
Subjects Taught		Material Technology		
		Welding Technology		
		Basic Thermodynamics		
		Non-Conventional Machi		
Total Experience (Years)	19	Teaching Experience	19 I	ndustry Experience
Employment History	1. R.E	.C. Kurukshertra		
	2. 2.S	LIET Longowal		
	3. Yac	davindra College of Enginee	ring, 04.02.200	05 to till date
Membership of Punjabi	1. Boa	rd of Study		
University Academic	2. ACD)		
Bodies				
Administrative/	1.	Head, YCoE (2016-2019)		
Academic Duties	2.	Incharge Mechanical Sec	tion (2008-20	15)
performed.	3.	Warden Boys Hostel-II (2	005)	
	4.	Incharge ECA		
	5.	Incharge M.Tech		
	6.	Incharge College Discipl	ine Committe	е

FACULTY RESEARCH PROFILE

Google Scholar ID	oogle Scholar ID https://scholar.google.com/citations?user=dd56ge8AAAAJ&hl=					
	<u>en</u>					
Impact Factor	2.22+	1.45+0.76+1.261	+2.129+5.87+1.449+0.7	3+0.231+0	.87+0.35+1.87+1.47+	
	0.87+	0.37+0.11+0.6+5	.15+0.35+3.192+2.129+	3.192+1.3+	0.35+2.129+3.192+2	
	.24+3.192+2.129+1.47+1.427+4.178+3.192+1.47+2.12					
	Citatio	on Index	<u>1033</u>	I10-index	<u>26</u>	
	h-Inde	ex	<u>16</u>	SJR	0.973	
	SNIP		<u>1.435</u>			
No. of Candidates (Completed PhD)	<u>06</u>	No. of Candidate		ping PhD)	<u>07</u>	
PG Thesis guided	<u>43</u>		PG Thesis Ongoing			
Research Projects Completed 1. Title 2. Amount in lakhs 3. Date of completion	2.	Technological Innovations to improve degradation resistance of pulverized coal burner nozzle (PCBN), Rs 2412000/-, D.O.C.: 2014 Development of Cr_3C_2 – NiCr Corrosion and Erosion Resistant HVOF Sprayed Coatings for Boiler Tube Steels Operating at Elevated Temperatures, Rs3870000/-, D.O.C.: 2014				
Research Projects Ongoing	<u></u>					
Research Projects Submitted						
Papers in International Journals	<u>67</u>	Papers in Nation	nal Journals	11		
Papers in International Conferences	<u>13</u>	Papers in Nation	nal Conferences	<u>06</u>		
Names of Foreign Countries Visited for Academic Purpose	Singa	pore				
International Conferences Attended	9	National Confer	ences Attended	3		
Books Published as Single Author		Books Publishe	d as Joint Author	2		
Edited Books		Book Chapters				
International Conferences/ Workshops/ Seminars /STCs/ FDPs organized		National Confer STCs/ FDPs org	ences/ Workshops/ Semin ganized	ars/ <u>06</u>		
Memberships of		Memberships	of National Professional	IST	E, IE, SOMME	

International	Bodies	
Professional Bodies		

PHD SUPERVISION DETAILS

Sr.	Candidate Name	Registration No.	University						
	Completed								
1	Sukhpal Singh	YCE (TS)-145	Punjabi University Patiala						
2	Rakesh Bhatia	PUP-Ph.D (2010)-6	Punjabi University Patiala						
3	Tejinder Pal Singh Sarao	PUP (Ph.D) 2009-254	Punjabi University Patiala						
4	Gurpreet Singh	PUP (Ph.D) 2009- 287	Punjabi University Patiala						
5	Khushdeep Goyal	7141-13-1117	Punjabi University Patiala						
6.	Roshan lal Virdi	7141-13-1120	Punjabi University Patiala						

PUBLICATION IN SCI AND SCUPUS INDEX JOURNALS

S.	Author	Title	Journal	Vol.	No.	Page	Year of
No.						no.	Publication
1	Bansal,	Improvement of surface	Materials	257		12373	2021
	Puneet; Singh,	properties and corrosion	Chemistry			8	
	Gurpreet;	resistance of Ti13Nb13Zr	and Physics				
	Sidhu, Hazoor	titanium alloy by plasma-					
	Singh;	sprayed HA/ZnO coatings for					
		biomedical applications					
2	Singh, Jarnail;	Characterization and corrosion	Ceramics	47	1	782-	2021
	Chatha,	behavior of plasma sprayed	International			792	
	Sukhpal Singh;	calcium silicate reinforced					
	Singh, Hazoor;	hydroxyapatite composite					
		coatings for medical implant					
		applications					
3	Virdi, Roshan	Experimental investigations on	Tribology	153		10658	2021
	Lal; Chatha,	the tribological and lubrication	International			1	
	Sukhpal Singh;	behaviour of minimum quantity					
	Singh, Hazoor;	lubrication technique in					
		grinding of Inconel 718 alloy					
4	Bansal,	Plasma-Sprayed HA/Sr	Journal of	36	2	431-	2021
	Puneet; Singh,	Reinforced Coating for	Materials				

	Gurpreet; Sidhu, Hazoor Singh;	Improved Corrosion Resistance and Surface Properties of Ti13Nb13Zr Titanium Alloy for Biomedical Implants	Research			442	
5	Bansal, Puneet; Singh, Gurpreet; Sidhu, Hazoor Singh;	Plasma-Sprayed Hydroxyapatite-Strontium Coating for Improved Corrosion Resistance and Surface Properties of Biodegradable AZ31 Mg Alloy for Biomedical Applications	Journal of Materials Engineering and Performance	30	3	1768- 1779	2021
6	Kumar, Munish; Sidhu, Hazoor Singh; Sidhu, Buta Singh;	Parametric and microstructural analysis of cryogenically treated austenitic stainless steel	Materials Today: Proceedings				2021
7	Jindal, Chamkaur; Sidhu, Buta Singh; Kumar, Pardeep; Sidhu, Hazoor Singh;	Role of surface treatment for enhancing resistance to degradation: An outline	Materials Today: Proceedings				2021
8	Pal, Amrit; Chatha, Sukhpal Singh; Sidhu, Hazoor Singh;	Tribological characteristics and drilling performance of nano-MoS 2-enhanced vegetable oilbased cutting fluid using ecofriendly MQL technique in drilling of AISI 321 stainless steel	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	4	Jan-20	2021
9	Singh, Jarnail; Chatha, Sukhpal Singh; Singh, Hazoor;	Synthesis and characterization of plasma sprayed functional gradient bioceramic coating for medical implant applications	Ceramics International	47	7	9143- 9155	2021
10	Jindal, Chamakur; Sidhu, Buta Singh; Kumar,	Performance of hardfaced/heat treated materials under solid particle erosion: A systematic literature review	Materials Today: Proceedings				2021

	Pardeep; Sidhu, Hazoor Singh;						
11	Pal, Amrit; Chatha, Sukhpal Singh; Sidhu, Hazoor Singh;	Performance evaluation of the minimum quantity lubrication with Al2O3-mixed vegetable-oil-based cutting fluid in drilling of AISI 321 stainless steel	Journal of Manufacturi ng Processes	66		238- 249	2021
12	Pal, Amrit; Chatha, Sukhpal Singh; Sidhu, Hazoor Singh;	Performance Evaluation of Various Vegetable Oils and Distilled Water as Base Fluids Using Eco-friendly MQL Technique in Drilling of AISI 321 Stainless Steel	International Journal of Precision Engineering and Manufacturi ng-Green Technology			Jan-20	2021
13	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Behaviour of carbon nanotubes- Cr2O3 thermal barrier coatings in actual boiler	Surface Engineering	36	2	124- 134	2020
14	Kumar, Sandeep; Singh, Hazoor; Bhatia, Rakesh;	Hot corrosion behaviour of CNT- reinforced zirconium yttrium composite coating at elevated temperature	Materials Today: Proceedings				2020
15	Singh ", "Roshan Lal Virdi Sukhpal Singh Chatha Hazoor;	Performance Evaluation of Inconel 718 under vegetable oils based Nanofluids using Minimum Quantity Lubrication Grinding	Materials Today: Proceedings				2020
16	Singh ", "Roshan Lal Virdi Sukhpal Singh Chatha Hazoor;	Performance evaluation of Minimum Quantity Lubrication grinding of hard to machine material under the influence of CuO based Nanofluids	Materials Today: Proceedings				2020
17	Kumar, Munish; Sidhu,	Effect of different operating parameters on the slurry	Materials Today:	28		1429-	2020

	Hazoor Singh; Sidhu, Buta Singh;	erosion behavior of cryo- treated hydro-turbine steel	Proceedings			1438	
18	Bansal, Puneet; Singh, Gurpreet; Sidhu, Hazoor Singh;	Investigation of corrosion behavior and surface properties of plasma sprayed HA/Sr reinforced coatings on CoCr alloys	Materials Chemistry and Physics	253		12333 0	2020
19	Pal, Amrit; Chatha, Sukhpal Singh; Sidhu, Hazoor Singh;	Experimental investigation on the performance of MQL drilling of AISI 321 stainless steel using nano-graphene enhanced vegetable-oil-based cutting fluid	Tribology International	151		10650 8	2020
20	Bansal, Puneet; Singh, Gurpreet; Sidhu, Hazoor Singh;	Investigation of surface properties and corrosion behavior of plasma sprayed HA/ZnO coatings prepared on AZ31 Mg alloy	Surface and Coatings Technology	401		12624 1	2020
21	Virdi, Roshan Lal; Chatha, Sukhpal Singh; Singh, Hazoor;	Processing characteristics of different vegetable oil-based nanofluid MQL for grinding of Ni-Cr alloy	Advances in Materials and Processing Technologies			Jan-14	2020
22	Virdi, Roshan Lal; Chatha, Sukhpal Singh; Singh, Hazoor;	Machining performance of Inconel-718 alloy under the influence of nanoparticles based minimum quantity lubrication grinding	Journal of Manufacturi ng Processes	59		355- 365	2020
23	Kumar, Sandeep; Bhatia, Rakesh; Singh, Hazoor;	High-Temperature Corrosion Behaviour of CNT-reinforced Zirconium Yttrium Coatings on Boiler Tube Steel in Coal-Fired Boiler of Thermal Power Plant	Journal of Failure Analysis and Prevention	20	6	2029- 2039	2020
24	Kumar, Sandeep; Bhatia, Rakesh; Singh,	Hot Corrosion Behaviour of CNT Reinforced Zirconium Yttrium Coatings in Molten Salt Environment	Journal of Bio-and Tribo- Corrosion	6		01-Sep	2020

	Hazoor;						
25	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Experimental investigations of carbon nanotubes reinforcement on properties of ceramic-based composite coating	Journal of the Australian Ceramic Society	55	2	315- 322	2019
26	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Hot-corrosion behavior of Cr 2 O 3-CNT-coated ASTM-SA213- T22 steel in a molten salt environment at 700° C	International Journal of Minerals, Metallurgy, and Materials	26	3	337- 344	2019
27	Singh, Harkulvinder; Chatha, Sukhpal Singh; Sidhu, Hazoor Singh;	Influence of Heat Treatment and Sealing on Hot Corrosion Behavior of 80Ni-20Cr Coatings	Journal of Thermal Spray Technology	28	7	1478- 1491	2019
28	Singh ", "Roshan Lal Virdi Sukhpal Singh Chatha Hazoor;	Experiment evaluation of grinding properties under Al2O3 nanofluids in minimum quantity lubrication	Materials Research Express				2019
29	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Hot corrosion behaviour of carbon nanotubes reinforced chromium oxide composite coatings at elevated temperature	Materials Research Express	5	11	11640 8	2018
30	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Effect of carbon nanotubes on properties of ceramics based composite coatings	Advanced Engineering Forum	26		53-66	2018
31	Goyal, Khushdeep; Singh, Hazoor; Bhatia,	Cyclic high temperature corrosion studies of carbon nanotubes-Cr2O3 composite coatings on boiler steel at 900°	Anti- Corrosion Methods and Materials				2018

	Rakesh;	C in molten salt environment					
32	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Mechanical and microstructural properties of carbon nanotubes reinforced chromium oxide coated boiler steel	World Journal of Engineering				2018
33	Sarao, Tejinder Pal Singh; Singh, Harpreet; Singh, Hazoor;	Enhancing biocompatibility and corrosion resistance of Ti-6Al-4V alloy by surface modification route	Journal of Thermal Spray Technology	27	8	1388- 1400	2018
34	Singh, Jarnail; Chatha, Sukhpal Singh; Singh, Hazoor;	Characterization and Corrosion Behavior of Functional Gradient Hydroxyapatite Coating	Journal of Thermal Spray Technology	27	8	1371- 1380	2018
35	Khushdeep Goyal, Hazoor Singh, Rakesh Bhatia;	Carbon Nanotubes: A Potential Reinforcement Material for Composites	A Journal of Nanotechnol ogy and Its Applications	19	2	42–49	2017
36	Chatha, Sukhpal Singh; Sidhu, Hazoor S; Sidhu, Buta Singh;	Performance of 75Cr3C2-25NiCr coating produced by HVOF process in a coal-fired thermal power plant	Advanced Materials Research	1137		88-100	2016
37	Goyal, Khushdeep; Singh, Hazoor; Bhatia, Rakesh;	Current status of thermal spray coatings for high temperature corrosion resistance of boiler steel	Journal of Material & Metallurgical Engineering	6	1	29-35	2016
38	Singh, Ripandeep; Singh, Gurpreet; Sidhu, Hazoor Singh;	The Cold Spray Coating Process: A Future Technique in Material Deposition	Asian J. Eng. Appl. Technol	5	1	01- Mar	2016
39	Singh, Jarnail;	Erosion behavior of Pulverized Coal Burner Nozzle material	Materials Science	808		01-Sep	2015

	Singh, Hazoor;	hardfaced by solid wire and flux cored wire electrode	Forum				
40	Bhatia, Rakesh; Sidhu, Hazoor Singh; Sidhu, Buta Singh;	High temperature behavior of Cr 3 C 2-NiCr coatings in the actual coal-fired boiler environment	Metallurgical and Materials Transactions E	2	1	70-86	2015
41	Bhatia, Rakesh; Singh, Hazoor; Sidhu, Buta Singh;	Hot corrosion studies of HVOF- sprayed coating on T-91 boiler tube steel at different operating temperatures	Journal of materials engineering and performance	23	2	493- 505	2014
42	Singh, Gurpreet; Singh, Hazoor; Sidhu, Buta Singh;	In vitro corrosion investigations of plasma-sprayed hydroxyapatite and hydroxyapatite-calcium phosphate coatings on 316L SS	Bulletin of Materials Science	37	6	1519- 1528	2014
43	Singh, Tejinder Pal; Singh, Harpreet; Singh, Hazoor;	Characterization of thermal sprayed hydroxyapatite coatings on some biomedical implant materials	Journal of applied biomaterials & functional materials	12	1	48-56	2014
44	Singh, Gurpreet; Singh, Hazoor; Sidhu, Buta Singh;	Characterization and investigation of in-vitro Corrosion behavior of plasma Sprayed hydroxyapatite and hydroxyapatite—Calcium phosphate coatings on AISI 304	Journal of Corrosion Science and Engineering	17		Jan-14	2014
45	Singh, Gurpreet; Singh, Hazoor; Sidhu, Buta Singh;	Corrosion behavior of plasma sprayed hydroxyapatite and hydroxyapatite-silicon oxide coatings on AISI 304 for biomedical application	Applied surface science	284		811- 818	2013
46	Singh, Hazoor; Sidhu, Buta Singh;	Erosion Characteristics of HVOF Developed Cr3C2-NiCr and WC- Co Coatings	Materials Science Forum	751		71-79	2013

47	Singh,	Characterization and corrosion	Surface and	228		242-	2013
	Gurpreet;	resistance of plasma sprayed HA	Coatings			247	
	Singh, Hazoor;	and HA–SiO2 coatings on Ti–	Technology				
	Sidhu, Buta	6Al-4V					
	Singh;						
48	Chatha,	High-temperature behavior of a	Journal of	22	5	838-	2013
	Sukhpal Singh;	NiCr-coated T91 boiler steel in	thermal			847	
	Sidhu, Hazoor	the platen superheater of coal-	spray				
	S; Sidhu, Buta	fired boiler	technology				
	S;						
49	Singh,	The Effect of CaP Concentration	Biomimetics	18	1		2013
	Gurpreet;	on Corrosion Behavior of	Biomaterials				
	Singh, Hazoor;	Plasma Sprayed Hydroxyapatite	and Tissue				
	Sidhu, Buta	Coating on Titanium in	Engineering				
	Singh;	Simulated Body Fluid					
50	Chatha,	The effects of post-treatment	Surface and	206	19-	4212-	2012
	Sukhpal Singh;	on the hot corrosion behavior	Coatings		20	4224	
	Sidhu, Hazoor	of the HVOF-sprayed Cr3C2-	Technology				
	S; Sidhu, Buta	NiCr coating					
	S;						
51	Chatha,	Characterisation and corrosion-	Journal of	11	6	569	2012
	Sukhpal Singh;	erosion behaviour of carbide	Minerals and				
	Sidhu, Hazoor	based thermal spray coatings	Materials				
	S; Sidhu, Buta		Characterizat				
	S;		ion and				
			Engineering				
52	Singh, Hazoor;	Performance of HVOF sprayed	Materials	701		21-29	2012
	Sidhu, Buta	NiCr and Stellite-6 coatings	science				
	Singh;	under pin on disc wear testing	forum				
	Prakash,						
	Satya;						
53	Singh, Tejinder	Characterization, corrosion	Journal of	21	5	917-	2012
	Pal; Singh,	resistance, and cell response of	thermal			927	
]	Harpreet;	high-velocity flame-sprayed HA	spray				
	Singh, Hazoor;	and HA/TiO 2 coatings on 316L	technology				
		SS					
54	Chatha,	High temperature hot corrosion	Surface and	206	19-	3839-	2012
]	Sukhpal Singh;	behaviour of NiCr and Cr3C2-	Coatings				

	Sidhu, Hazoor S; Sidhu, Buta S;	NiCr coatings on T91 boiler steel in an aggressive environment at 750 C	Technology		20	3850	
55	Sarao, Tejinder Pal Singh; Sidhu, Hazoor Singh; Singh, Harpreet;	Characterization and in vitro corrosion investigations of thermal sprayed hydroxyapatite and hydroxyapatite-titania coatings on Ti alloy	Metallurgical and Materials Transactions A	43	11	4365- 4376	2012
56	Tejinder Pal Singh, Harpreet Singh, Hazoor Singh Sidhu;	Characterization of thermal sprayed hydroxyapatite coatings on some biomedical implant materials	J Appl Biomater Biomech				2012
57	Sidhu, Hazoor S; Sidhu, Buta S; Prakash, S;	Wear characteristics of Cr3C2– NiCr and WC–Co coatings deposited by LPG fueled HVOF	Tribology International	43	05- Jun	887- 890	2010
58	Rakesh Bhatia, Sukhpal S. Chatha, Hazoor S. Sidhu and Buta S. Sidhu;	Erosion - Corrosion Resistance of Carbide Based Thermal Spray Coatings: A Review	IJEST	4	1	57-62	2010
59	Sidhu, Hazoor Singh; Sidhu, Buta Singh; Prakash, S;	Solid particle erosion of HVOF sprayed NiCr and Stellite-6 coatings	Surface and Coatings Technology	202	2	232- 238	2007
60	Sidhu, HS; Sidhu, BS; Prakash, S;	Hot corrosion behavior of HVOF sprayed coatings on ASTM SA213-T11 steel	Journal of thermal spray technology	16	3	349- 354	2007
61	Sidbu, Hazoor Singh; Sidhu, Buta Singh; Prakash, S;	Materials Characterization- Comparative Characteristic and Erosion Behavior of NiCr Coatings Deposited by Various High-Velocity Oxyfuel Spray Processes	Journal of Materials Engineering and Performance	15	6	699- 704	2006

61	Sidhu, Hazoor	Evaluation of the hot corrosion	ISIJ	46	7	1067-	2006
	Singh; Sidhu,	behavior of LPG assisted HVOF	international			1074	
	Buta Singh;	NiCr wire sprayed boiler tube					
	Prakash, S;	steels in molten salt					
		environments					
63	Sidhu, Hazoor	Mechanical and microstructural	Journal of	171	1	77-82	2006
	Singh; Sidhu,	properties of HVOF sprayed	Materials				
	Buta Singh;	WC–Co and Cr3C2–NiCr	Processing				
	Prakash, S;	coatings on the boiler tube	Technology				
		steels using LPG as the fuel gas					
64	Sidhu, Hazoor	The role of HVOF coatings in	Surface and	200	18-	5386-	2006
	Singh; Sidhu,	improving hot corrosion	Coatings		19	5394	
	Buta Singh;	resistance of ASTM-SA210 GrA1	Technology				
	Prakash, S;	steel in the presence of	, J				
	, ,	Na2SO4–V2O5 salt deposits					
		·					
65	Sidhu, Hazoor	Comparative characteristic and	Journal of	15	6	699-	2006
	Singh; Sidhu,	erosion behavior of NiCr	materials			704	
	Buta Singh;	coatings deposited by various	engineering				
	Prakash, S;	high-velocity oxyfuel spray	and				
		processes	performance				
66	Sidhu, HS;	Cyclic hot corrosion of high-	Corrosion	62	11	1028-	2006
	Sidhu, BS;	velocity oxy fuel sprayed				1038	
	Prakash, S;	coatings on steel at 900 °C					
67	R. Arulmani, H.	Effect of Hardfacing on the	Australasian	49		50-53	2004
	S. Sidhu;	performance of ploughshares	Welding				
		, ,	Journal				

LIST OF NON-SCI JOURNAL PUBLICATIONS

S.	Author	Title	Journal	Vol.	No.	Page	Year of
No.						no.	Publication
1	Bansal,	The Importance of Co-Cr Alloys	Manufacturi	19	01-	25-35	2020
	Puneet; Singh,	in Bioimplants for Hip Joints: A	ng		Feb		
	Gurpreet;	Review	Technology				
	Sidhu, Hazoor		Today				
	Singh;						
2	Khushdeep	Mechanical properties of	Journal of	5	8	1012-	2018
	Goyal, Hazoor	carbon nanotubes reinforced	Emerging			1016	

	Singh, Rakesh Bhatia;	composites: a review	Technologies and Innovative Research				
3	Singh, Gurpreet; Singh, Hazoor; Sidhu, Buta Singh;	In vitro Corrosion Investigations of Plasma Sprayed Hydroxyapatite Coated Titanium	International Journal of Surface Engineering & Materials Technology	3	2	16-21	2013
4	Sukhpal Singh Chatha, Hazoor S. Sidhu, Buta S. Sidhu;	Hot corrosion in power plant boilers and role of coatings: A review	Steam and Boiler Review	7	2	199- 201	2013
5	"Balwinder Singh, Hazoor S. Sidhu and Sukhpal Singh Chatha";	Microstructural Behaviour of SS304 & SS310 Hardfaced Steels	International Journal of Surface Engineering & Materials Technology,	3	1	31-38	2013
6	Bhatia, Rakesh; Singh, Hazoor; Sidhu, Buta Singh;	Characteristic parameters and erosion behaviour of 65% Cr3C2–35% NiCr Coating	International Journal of Surface Engineering and Materials Technology	2		39-47	2012
7	Rakesh Bhatia, Hazoor Singh Sidhu Buta Singh Sidhu;	Characterisation of 80% Cr 3 c - 20 % (Ni-20cr) Coating and Erosion Behaviour 2	AJEAT	1	2	05-Dec	2012
8	Sharmaa, Kovid; Chathaa, Sukhpal Singh; Singha, Hazoor;	HEAT TREATMENT OF THERMAL SPRAY COATINGS: A REVIEW	Materials Science and Engineering	2	01- Feb		2011

	Singha, Harkulvinder;						
9	Sidhu, Hazoor Singh; Sidhu, Buta Singh; Parkashc, S;	Characteristic Parameters of HVOF sprayed NiCr and Stellite- 6 coatings on the boiler steels using LPG as fuel gas	International Journal of Engineering and Information Technology			133- 139	2010
10	Sidhu, Hazoor S; Gaurav, Kumar; Bhatia, Rakesh;	Life enhancement of single point cutting tool by hard facing and cryogenic treatment	Int J Eng Sci Technol	4	1	19-23	2010
11	Sidhu, Hazoor Singh; Sidhu, Buta Singh; Prakash, S;	REVIEW ON THE PART OF HV OF THERMAL SPRAY COATING IN PROTECTION TO CORROSION	Industrial Practice	7		383	2006

Book Publish

- 1. Hazoor Singh and Buta Singh Sidhu: HVOF Coatings in Improving Resistance to Surface Degradation, Lambert Academic Publishing, Germany, ISBN: 978-3-659-47260-2.
- Sukhpal Singh Chatha and Hazoor Singh: Electrical Dishcharge Machining using Powder-Mixed Dielectric, Lambert Academic Publishing, Germany, ISBN: 978-3-659-52513-1

Faculty Development coarse Attended

- 1. Two week FDP by NITCON at YCoE Talwandi Sabo, 15-01-2014 to 28-01-2014.
- 2. One week short term training programme on Bio-Energy Technologies for Power and Environmental Applications at SLIET Longowal, Dec.16-20, 2013.
- One week short term course on Recent trends in Materials, Manufacturing and Safety, organized by GZS-PTUCampus Bathinda from 02-12-2013 to 06-12-2013.
- 4. One week Faculty Development Programme on Industrial Tribology held during January 3-8, 2011 in the School of Mechanical, Materials & Energy Engineering

INDIAN INSTITUTE OF TECHNOLOGY ROPAR, RUPNAGAR-140001 (Punjab) INDIA.

- UGC-SPONSORED ORIENTATION PROGRAMME, on "Pedagogical Issues in Teaching" from 06-07-2009 to 01-08-2009, Academic Staff College Punjabi University, Patiala
- One week winder school on "Perspective of Welding Technology " organized by Department of Mechanical Engineering, National Institute of Technology, Jalandhar.
- 7. One week training program, Pro Engineering Wildfire 3.0 Software Package, Adroitec Information System New Delhi
- 8. Two Week training program, Drawing and Drafting on AutoCAD SLIET Longowal, 2001
- 9. One week training program, Solidworks Education Edition software Package Ideas Design Solution Pvt. Ltd, Gurgaon18-25 March, 2010