

Brief Resume



1. General Information

Name	TEJINDER SINGH SIDHU
Correspondence Address	Director, Shivalik College of Engineering, Dehradun
Email	tssidhu@rediffmail.com

2. Total Experience

35 Years, out of which 19 years as a Director/Professor

3. Details of Experience as a Professor/Director :19 Years

Sr. No.	Post Held	Pay Scale	Organization	Nature of duties	Experience
1	Director	37400-67000 AGP 10000	Shivalik College of Engineering, Dehradun	Administrative	Joined on 01.01.2026
2.	Director cum Professor	37400-67000 AGP 10,000	SBS State University, Ferozepur	Administrative	11 Years 11 Months
3.	Professor and Head	37400-67000 AGP 10,000	SBS State University, Ferozepur	Teaching and Administrative	03 years 05 Months
4.	Professor	37400-67000 AGP 10,000	SBS State University, Ferozepur	Teaching and Administrative	03 years 08 Months

4. Educational Qualifications

Sr. No.	Qualification	University	Year	Subjects/ Topics	%age Achieved	Distinction
1.	Ph.D	IIT Roorkee	2006	Hot Corrosion	A+	Best Phd Award
2.	M.E.	Panjab University, Chandigarh	1995	Mechanical Engineering	71.8	
3.	MBA	Punjabi University, Patiala	1990	Management and	61.7	

				Administration		
4.	B.E.	Panjab University, Chandigarh	1988	Mechanical Engineering	67.9	
5.	Matric certificate as a proof of Age					

5. Administrative Experience/Posts and Responsibilities Held						
Sr. No.	Post	Organisation/University	Duration		Experience	
			From	To		
1 (a)	Head of Institute (Director)	SCE, Dehradun	01.01.2026	Till date		
		SBS State University, Ferozepur	24.02.2010	20.01.2022	11 years 11 months	
		BCET, Gurdaspur (Additional Charge)	Nov 2017	Sep 2020	02 Years 10 months	
		BHSBIET Lehragaga (Additional Charge)	Aug 2014	Oct 2015	01 Years 02 Months	
		BHSBIET Lehragaga (Additional Charge)	Aug 2012	April 2013	09 Months	
		GZSCET, Bathinda (Additional Charge)	Sep 2010	Sep 2011	01 Year	
		BHSBIET Lehragaga (Additional Charge)	June 2008	July 2009	01 years 01 Months	
1 (b)	Head of Department	SBSSTC, Ferozepur	Jan 2000	Jan 2003	03 Years	
		SBSSTC, Ferozepur	June 2006	July 2008	02 Years	
		SBS State University, Ferozepur	23.05.2022	31.12.2025	03 Years 07 Months	

2.	Chairman Board of Studies	SBSSTC, Ferozepur	May 2014	June 2018	04 Years
		SBS State University, Ferozepur	23.05.2022	Till date	--
3.	Member, Board of Studies	IKGPTU, Jalandhar	March 1998	May 2001	03 Years 1 Month
4.	Dean (Admn)	SBSSTC, Ferozepur	Jan 2002	Jan 2004	02 Years
	Dean (Consultancy)	SBS State University, Ferozepur	23.05.2022	Till date	02 Years 04 Months
5.	Chairman of Academic Council	SBSSTC, Ferozepur	March 2014	March 2012	07 Years
		BCET Gurdaspur	Nov 2017	Sep 2020	02 Years 10 Months
6.	Chairman of Executive Council	SBSSTC, Ferozepur	July 2008	Till date	12 Years 11 Months
7.	Member of Professional/Academic Bodies	ISTE New Delhi (Life Member No. LM 17941)	1994	Till date	27 years
		Research Board of Advisors, The American Biographical Institute	April 2003	Till date	18 Years 03 months
		Fellow, Institute of Engineers (F-1218375)	Oct 2016	Till Date	04 years 8 months
		ISTE Section Management Committee (Pb, HP, Chd, J&K Section)	March 2003	April 2004	One year
8.	Others (Specify)				
	Estate Officer	SBSSTC, Ferozepur	Jan 1997	Jan 2000	03 years
	TPO	SBSSTC, Ferozepur	Jan 2000	Jan 2001	01 Year
	Chairman IQAC	SBSSTC, Ferozepur	March 2014	Till date	07 Years

	Member Secretary BOG	SBSSTC, Ferozepur	Sep 2008	April 2021	12 Years 06 Months
		BCET Gurdaspur	Nov 2017	Sep 2020	02 Year 10 Months
		BHSBIET Lehragaga	Aug 2014	Oct 2015	01 Years 02 Months
		BHSBIET Lehragaga	Aug 2012	April 2013	09 Months
		BHSBIET Lehragaga	June 2008	July 2009	01 years 01 Months
	Member BOG	MIMIT Malout	June 2018	Till date	03 Year
	Member of Finance Committee	SBSSTC, Ferozepur	Sep 2008	Till date	12 Years 08 Months
		BHSBIET Lehragaga	Aug 2014	Oct 2015	01 Years 02 Months
		BHSBIET Lehragaga	Aug 2012	April 2013	09 Months
		BHSBIET Lehragaga	June 2008	July 2009	01 years 01 Months
	Member, IQAC	SLIET Longowal	2017	2020	03 years
	Chairman of Selection Committee	SBSSTC, Ferozepur	June 2009	April 2021	12 Years
	Warden	GZSCET, Bathinda	Sep 1993	Sep 1996	03 Year

6. (a) Academic/Teaching Experience and responsibilities:35 Years					
S. No.	Post	Organisation/ University	Duration		Total
1.	Director	Shivalik College of Engineering, Dehradun	01.01.2026	Till date	
2.	Professor	SBS State University, Ferozepur	21.01.2022	31.12.2025	03 Years 07 Months
3.	Director-cum-Professor	SBS State University, Ferozepur	24.02, 2010	20.01.2022	11 years 11 months
4.	Professor	SBS State University, Ferozepur	14.09.2006	23.02.2010	03 Year 08 months
5.	Assot. Professor	SBS State University, Ferozepur	10.12.1996	13.09.2006	09 Years 09 Months

6.	Lecturer/ Asstt. Prof	GZS College of Engg And Technology, Bathinda	21.09. 1992	09.12. 1996	04 years 02 Months
7.	Lecturer/ Asstt. Prof	GND Engineering College Ludhiana	27.08. 1990	20.09. 1992	02 years 01 Month

(b) Participation and contribution in relevant areas in higher Education

	Organization	Area of Specialization
Visiting Professor	MRSPTU, Bathinda	Production Engineering, Management
	Guru Kashi University, Talwandi Sabo	
	IKGPTU, Jalandhar	
	PEC, Chandigarh	
	BHSBIET Lehragaga	
	SUC CET Tangori	
Resource person	MIMIT, Malout	Mechanical Engineering, Hot Corrosion, HVOF Process, Coating, Plasma Spray Coating
	GZSCET, Bathinda	
	GNDEC, Ludhiana	
	BCET, Gurdaspur	

(c) Involvement with formulation of Academic Programs:

S. No.	Nomenclature of Innovative Academic Programme Formulated	Date of approval by Academic Council	Year of introduction
1.	Entrepreneurship and Resource Mobilization	23.08.2016	2017
2.	B.Arch	07.02.2018	2018
3.	BSc Agriculture	18.12.2018	2018
4.	Data Sciences	22.10.2020	2020
5.	Networking and cyber security	22.10.2020	2020

(d) Important MOUs formulated for academic collaboration

S. No.	MoUs Formulated	Name of Agencies/Department involved	Year of Mou
1.	Improvement of infrastructure and quality of teaching	IIT Ropar	2020

2	To enhance the quality of educational experiences of students	Infosys	2017
3.	Industry institute interactions	IBM	2016
4.	Faculty-Students exchange program	PUM, Netherlands	2015
5.	Faculty-students interaction	NIT, Jalandhar	2015
6.	To improve technical skills of students	Medhaavi Industries	2014
7.	Training of students	Shiva Group, Ludhiana	2014
8.	Industry institute interactions	V-SERVE, Ludhiana	2013

7. International Academic Exposure :The following universities and Institute visited

1.	Harvard Business School, Boston
2.	Stanford University, California
3.	San Jose State University, California
4.	Syracuse University, New York
5.	California University of Pennsylvania
6.	National University of Singapore.
7.	Lincoln University, Pennsylvania
8.	NJIT New Jersey
9.	MIT Boston
10.	University of Toronto, Canada
11.	Humber College, Toronto, Canada
12.	The University of British Columbia, Vancouver
13.	University of Calgary, Canada
14.	McGill University, Montreal, Canada

8. Scholarly Achievements

A. Contributions to Journals and Books

Books Authored	(1) Hot Corrosion and HVOF Coatings (2) Burnishing a Novel Approach for Thermal Spray Coatings
Peer Reviewer for	<ul style="list-style-type: none"> • Surface and Coating Technology (Elsevier) • Journal of Materials Research • Journal of the American Ceramic Society

	<ul style="list-style-type: none"> • Wear (Elsevier) • ScriptaMaterialia • Corrosion Science, • Int. Journal of Physical Sciences Crystal Growth & Design
Member of the International Advisory Board	Member of Research Board of Advisors of the American Biographical Institute

B. Publications:

Publications in Referred Journals	= 99Nos
National/International Conferences	= 75 Nos
Total Publications	= 174 Nos
(A) H-index: (as per GoogleScholar)	= 29
(B) i10 Index: (as per GoogleScholar)	= 50
(c) Total Citations	= 3065

Sr. No	Date of Publication	Title of Paper	Name of Journal	Refereed Journal or not	Number of Citations
1	Jun 1, 2005	State of the Art of HVOF Coating Investigation-A Review	Marine Technology Society Journal, Vol. 39, No. 2, pp. 55-66	yes	67
2	Nov 15, 2005	Studies on the Properties of High Velocity Oxy-Fuel Thermal Spray Coatings for Higher Temperature Applications	Materials Science (Springer New York), Vol. 41, No. 6, pp. 805-823	yes	160
3	Aug 1, 2005	Hot Corrosion of Some Superalloys and Role of High-Velocity Oxy-Fuel Spray Coatings—A Review	Surf. Coat. Technol. (Elsevier), . 198, pp. 441-446	yes	269
4	Nov 1, 2005	Studies on the Properties of High Velocity Oxy-Fuel Thermal Spray Coatings	Physicochemical Mechanics of	yes	102

		for Higher Temperature Applications	Materials, Vol. 41, No. 6, pp. 80-95		
5	Jan 1, 2006	Hot Corrosion Behaviour of HVOF Sprayed NiCrBSi Coatings on Ni- and Fe- Base Superalloys in Na ₂ SO ₄ -60%V ₂ O ₅ Environment at 9000C,	ActaMaterialia (Elsevier), Vol. 54, No. 3, pp. 773-784.	yes	133
6	Aug 1, 2006	Hot Corrosion Performance of a NiCr Coated Ni-based Alloy	ScriptaMaterialia (Elsevier), Vol. 55, No. 2, pp. 179-182.	yes	80
7	Aug 25, 2006	Evaluation of Hot Corrosion Resistance of HVOF Coatings on a Ni-Based Superalloy in Molten Salt Environment	Mater. Sci. Engg. A (Elsevier), Vol. 430, No. 1-2, pp. 64-78.	yes	72
8	Sep 25, 2006	Characterisations of HVOF Sprayed NiCrBSi Coatings on Ni- and Fe-Based Superalloys and Evaluation of Cyclic Oxidation Behaviour of Some Ni-Based Superalloys in Molten Salt Environment	Thin Solid Films (Elsevier), Vol. 515, No. 1-2, pp. 95-105.	yes	110
9	May 1, 2006	Characterisation of NiCr Wire Coatings on Ni- and Fe- Based Superalloys by HVOF Techniques	Surf. Coat. Technol. (Elsevier), Vol. 200, No. 18-19, pp. 5542-5549.	yes	51
10	Feb 10, 2006	Performance of High Velocity Oxy-Fuel Sprayed Coatings on a Fe-Based Superalloy in Na ₂ SO ₄ -60%V ₂ O ₅ Environment at 9000C. Part I: Characterisation of the Coatings	J. Mater. Engg. Perform. (ASM International), Vol. 15 No. 1, pp. 122-129.	yes	40
11	Dec 1, 2006	Characterisations and Hot Corrosion Resistance of Cr ₃ C ₂ -NiCr Coating on Ni-base Superalloys in an aggressive Environment	J. Therm. Spray Technol. (ASM International), Vol. 15, No. 4, pp. 811-816	yes	70
12	Feb 10, 2006	Performance of High Velocity Oxy-Fuel	J. Mater. Engg. Perform. (ASM	yes	70

		Sprayed Coatings on a Fe-Based Superalloy in Na ₂ SO ₄ -60%V ₂ O ₅ Environment at 9000C. Part II: Hot Corrosion Behaviour of the Coatings	International), Vol. 15, No.1, pp. 130-138		
13	Sep 12, 2006	Studies of the Metallurgical and Mechanical Properties of High Velocity Oxy-Fuel Sprayed Stellite-6 Coatings on Ni and Fe-Based Superalloys	Surf. Coat. Technol. (Elsevier), Vol. 201, No. 1-2, pp. 273-281	yes	116
14	Jan 1, 2006	Studies on The Hot Corrosion Behaviour of HVOF Coatings on Some Ni- and Fe-Based Superalloys, Abstract of Ph.D. Thesis	J. Therm. Spray Technol. (ASM International), Vol.15, No.3, pp. 320-322.	yes	04
15	Oct 15, 2006	Hot Corrosion studies of HVOF sprayed Cr ₃ C ₂ -NiCr and Ni-20Cr Coatings on Nickel Based Superalloy at 900oC	Surf. Coat. Technol. (Elsevier), Vol. 201, No. 3-4, pp. 792-800.	yes	151
16	Sep 15, 2006	Hot Corrosion Resistance of HVOF Sprayed Coatings on a Ni-Based Superalloy in Molten Salt Environment	J. Therm. Spray Technol. (ASM International), Vol. 15, No. 3., pp. 387-399	yes	61
17	Oct 5, 2006	Hot Corrosion Studies of HVOF NiCrBSi and Stellite-6 Coatings on a Ni-Based Superalloy in an Actual Industrial Environment of a Coal Fired Boiler	Surf. Coat. Technol. (Elsevier), Vol.201, No. 3-4, pp.1602-1612	yes	87
18	Sep 15, 2006	Cyclic oxidation behavior of Ni- and Fe-based superalloys in air and Na ₂ SO ₄ -25%NaCl molten salt environment at 800 oC	Int J. Physical Sciences, Vol. 1, No.1, pp. 27-33	yes	37
19	Jul 15, 2006	Study of Molten Salt Corrosion of Superni 75	Journal of Naval Architecture and	yes	08

		using Thermogravimetric Technique	Marine Engineering, Vol. 3, No. 2, pp. 77-82		
20	Jan 18, 2007	Study of molten salt corrosion of HVOF sprayed cermet and nickel based coatings at 900 oC	Metallurgical and Materials Transactions-A (ASM International), Jan. 2007, Vol. 38A, pp. 77-85	yes	21
21	Feb 15, 2007	A comparative study of hot corrosion resistance of HVOF sprayed NiCrBSi and Stellite-6 Coated Ni-Based Superalloy at 900 oC	Materials Science and Engineering-A (Elsevier), Vol. 445-446, pp. 210-218	yes	80
22	Sep 1, 2007	Performance of HVOF sprayed Cr3C2-NiCr Coating in Actual Boiler Environment of a Thermal Power Plant	Corrosion (NACE International), Sep. 2007, Vol. 63, No. 9, pp. 828-834	yes	13
23	Dec 10, 2007	Oxidation and hot-corrosion resistance of HVOF WC-NiCrFeSiB coating on Ni- and Fe-based superalloys at 800 oC	J. Therm. Spray Technol. (ASM International), Vol. 16, No. 5-6, December 2007, pp. 844-849	yes	106
24	Dec 15, 2008	Investigations on the Role of HVOF Sprayed Co- and Ni- Based Coatings to combat Hot Corrosion	Corrosion Engineering Science and Technology, Vol. 43, No. 6, December, 2008, pp. 335-342.	yes	15
25	Jan 15, 2012	Low- pressure cold sprayed coatings process parameter optimization using Taguchi multi-response	International Journal of Surface Engineering and Materials Technology (IJSEM), Vol. 1, No. 1, July-Dec, 2011, pp. 5-11	yes	09
26	Jan 15, 2012	Effect of nozzle geometry on exit velocity, temperature and pressure for cold spray process	International Journal of Materials Science and Engineering (IJMSE), Vol. 2, No. 1-2, Jan-Dec, 2011, pp. 65-72	yes	06
27	Sep 30, 2012	Cold Spray Technology: Future of Coating	Journal of the Italian Group of Fracture	yes	166

		Deposition Processes” FratturaedIntegritàStruttu rale, (Fracture and Structural Integrity)	(ISSN 1971-8993), Vol. 22, PP. 69-84; DOI: 10.3221/IGF- ESIS.22.08., Journal of the Italian Group of Fracture, Italy, (Impact Factor 0.820)		
28	Jun 7, 2013	Development of Cold Spray from Innovation to Emerging Future Coating Technology	Journal of the Brazilian Society of Mechanical Sciences and Engineering (ISSN 1678-5878) (Springer publication), Vol. 35 No.3, pp.231- 245, DOI: 10.1007/s40430-013- 0030-1, Springer publication (Impact Factor: 1.743)	yes	78
29	Jul 15, 2012	An overview of the effect of hot corrosion in waste to- energy (WTE) plant environment	Asian Journal of Engineering and Applied Technology (ISSN 2249-068X), 2012; 1(2): 50-52	yes	24
30	Jan 31, 2012	Study of coating thickness of cold spray process using Taguchi method	International Journal of Materials and Manufacturing Processes (Taylor & Francis), Vol. 27, No.2, 2012; pp. 185- 192. (Impact Factor 1.629)	yes	71
31	Sep 27, 2011	Surface roughness optimization of cold sprayed coatings using Taguchi method”	International Journal of Advanced Manufacturing Technology, Vol. 60, No.5-8, pp. 611-623	yes	50
32	Jan 31, 2012	Effect of parameters on coating density for cold spray process	International Journal of Materials and Manufacturing Processes, Vol. 27, No.2, 2012; pp. 193- 200	yes	47
33	Feb 15, 2012	Cold sprayed copper coatings on Brass: Corrosion studies in	International Journal of Mechanic Systems Engineering, IJMSE,	yes	13

		simulated marine and industrial environment	Vol.2, Nos.1, February 2012; pp. 1-14, www.jomse.org © World Academic Publishing		
34	Oct 19, 2012	Cold sprayed copper coatings on ASTM B 221 alloy- Characterization and corrosion study in simulated marine and industrial environment	International Journal of Surface Science and Engineering, Vol.6, Nos.4, 2012; pp. 306-337	yes	05
35	Jul 15, 2012	An overview of Hydroxyapatite coated titanium implants	Asian Journal of Engineering and Applied Technology, Vol.1, No.2, pp 40-43. (ISSN 2249-068X, July-Dec'12)	yes	14
36	Aug 9, 2013	High temperature corrosion behavior of Ni-based superalloy Superni-75 in the real service environment of medical waste incinerator	Oxidation of metals, springer publication, 80 (5-6) 651-668. Springer publication, DOI: 10.1007/s11085-013-9414-Y. (Impact Factor: 1.37)	yes	41
37	Aug 9, 2013	High temperature corrosion behavior of Ni-based superalloy Superni-75 in the real service environment of medical waste incinerator	Oxidation of metals 80 (5) 651-668. (Springer publication, Impact Factor 1.455)	yes	30
38	Jun 7, 2013	Development of Cold Spray from Innovation to Emerging Future Coating Technology	Journal of the Brazilian Society of Mechanical Sciences and Engineering, 35(3), 231-245, DOI: 10.1007/s40430-013-0030-1. (Springer publication, Impact Factor 1.755)	yes	78
39	Oct 15, 2013	Taguchi method and utility concept based approach for multi-response optimization of process parameters for cold sprayed coatings	Journal of Thermal Spray Technology, 2013, doi: 10.1007/s11666-013-9988-6	yes	12

40	Mar 15, 2013	Multi-response optimization of low-pressure cold sprayed coatings through Taguchi method and Utility concept	International Journal of Advanced Manufacturing Technology, Vol. 64, No.5-8, February 2013; pp. 903-914	yes	29
41	Jan 22, 2014	Multi-response Optimization of Process Parameters for Low-Pressure Cold Spray Coating Process using Taguchi and Utility Concept	Journal of thermal spray Technology, DOI:10.1007/s11666-013-9988-6, Vol. 23, No. 1-2, PP. 114-122	yes	05
42	Nov 18, 2013	Characterization and corrosion studies of cold sprayed copper coatings on ASTM B 435 alloy	International Journal of Surface Science and Engineering, Vol. 7, No. 4, PP. 295-328	yes	03
43	Aug 15, 2014	Investigation on Multi-Response Parameter Optimization of Cold Spray Coating Process	Int Journal of Surface Engineering and Materials Technology, Vol.4, No.1, pp. 50-55.	yes	21
44	Sep 15, 2014	Behaviour of Ni-Based Superalloys in Actual Waste Incinerator Plant under Cyclic Conditions for 1000h at 9000 C” Corrosion	the Journal of Science and Engineering of NACE International, doi:http://dx.doi.org/10.5006/1163, National Association of Corrosion Engineers (NACE), Houston, USA publication, Vol. 70, No. 12, PP. 1249-1263 (Impact Factor: 2.91)	yes	19
45	Mar 18, 2014	Performance of Cold Spray Coating in Industrial Medical Waste Incinerator	Surface Engineering, Vol. 30 N0. 5, PP. 352- 360. Maney Publication (Impact Factor: 2.433)	yes	20
46	Jan 27, 2014	Chlorine Based Hot Corrosion Study of Cold Sprayed NiCrAlY Coatings	Surface Engineering, Vol. 30 N0.6, PP. 422-431. Maney Publication (Impact Factor: 2.433)	yes	27
47	Nov 22, 2014	Performance of Cold Spray Coatings on Fe-	Surface and Coating Technology, Vol. 240,	yes	27

		based Superalloy in Na ₂ SO ₄ -NaCl Environment at 900 0C,	PP. 456-463. (Impact Factor: 3.192)		
48	Jul 15, 2014	Taguchi based optimization for micro hardness of cold spray coating process	International Journal of Surface Engineering and Interdisciplinary Materials Science, Vol. 2, No.2, PP. 23-33 DOI: 10.4018/IJSEIMS.2014070102	yes	06
49	Nov 14, 2014	Behaviour of Cold Spray Coatings in Real Incineration Environment,	Materials and Manufacturing Process, http://dx.doi.org/10.1080/10426914.2014.912319 , Taylor and Francis Publication (Impact Factor: 1.486)	yes	30
50	Jan 11, 2015	Evaluation of NiCoCrAlY coatings deposited on Superalloy with Novel Cold Spray Process	Surface Engineering, Vol 31, No. 11, PP 840-45, Taylor and Francis Publication (Impact Factor: 1.51)	yes	10
51	May 21, 2015	Evolution of microstructure by high velocity impacts of particles by cold spray	Materials and Manufacturing Processes, Vol 31, No 11, 1514-20	yes	24
52	Nov 15, 2014	Analysis of material degradation for uncoated and NiCoCrAlY cold spray coated superfer 800H in the secondary chamber of medical waste incinerator	Engineering Failure Analysis, DOI: http://dx.doi.org/10.1016/j.engfailanal.2014.09.001 ., Vol. 46, PP. 238-246, ISSN: 1350-6307, Elsevier publication (Impact Factor: 2.897)	yes	17
53	Oct 8, 2014	Behavior of cold sprayed superalloy in incinerator at 900oC	Surface Engineering, DOI: 10.1179/1743294414Y.0000000390. Maney Publication, Vol. 31, No. 11, PP. 846-852 (Impact Factor: 2.433)	yes	15

54	Feb 25, 2015	Development and characterization of Cr ₃ C ₂ -NiCr coated superalloy by novel cold spray process	Materials and Manufacturing Processes, Vol 31, No. 11, PP 1476-82, DOI: 10.1080/10426914.2014.973599. Taylor and Francis Publication (Impact Factor: 1.486), Vol. 0, No. 1-7 (Impact Factor: 1.49)	yes	34
55	Jul 15, 2015	Investigation on process parameter optimization for surface roughness and micro hardness of cold sprayed coatings	International Journal of Mechanical Engineering and Materials Science (IJMEMS), Vol.8, No.1, January-June 2015; pp. 87-92	yes	02
56	Jan 15, 2015	Evaluation of Characteristics and Behavior of Cold Sprayed Ni-20Cr Coating at Elevated Temperature in Waste Incinerator Plant”,	Surface & Coatings Technology, Vol. 261, PP.375-384, 15 January 2015. Elsevier publication (Impact Factor: 3.192)	yes	46
57	Feb 12, 2015	Hot corrosion behavior of cold sprayed Ni-50Cr coating in an incinerator environment at 9000C”,	Journal of Thermal Spray Technology, Springer publication,, Vol 24(3), Feb. 2015, PP 570-578, DOI: 10.1007/s11666-014-0213-z. (Impact Factor: 2.522)	yes	20
58	Dec 13, 2015	Microstructure study of cold-sprayed 50%Ni-50%Cr coating on Inconel-601	Surface Engineering, Taylor and Francis Publication, Vol. 31, No. 11, PP. 825-831 (Impact Factor: 2.4)	yes	14
59	May 15, 2015	Characterization of Cold Sprayed Copper Coatings on Al Alloy Substrate	International Journal of Surface Engineering and Interdisciplinary Materials Science, Vol. 3, No.2, PP. 43-55	yes	03

60	Jan 11, 2015	Evaluation of NiCoCrAlY coatings deposited on Superalloy with Novel Cold Spray Process	Surface Engineering, 31(11), 840-845, Doi 10.1179/1743294414Y.0000000451. (Taylor and Francis Publication, Impact Factor 2.229)	yes	10
61	Feb 25, 2015	Development and characterization of Cr3C2-NiCr coated superalloy by novel cold spray process	Materials and Manufacturing Processes, 31 (11), 1476-1482, DOI: 10.1080/10426914.2014.973599. (Taylor and Francis Publication, Impact Factor 3.350)	yes	34
62	May 21, 2015	Evolution of microstructure by high velocity impacts of particles by cold spray	Materials and Manufacturing Processes, 31(11), 1514-1520, http://dx.doi.org/10.1080/10426914.2014.994766 . (Taylor and Francis Publication, Impact Factor 3.350)	yes	24
63	Nov 14, 2014	Behavior of Cold Spray Coating in Real Incineration Environment	Materials and Manufacturing Processes, 31 (11), 1468-1475, DOI:10.1080/10426914.2014.912319 (Taylor and Francis Publication, Impact Factor 3.350)	yes	30
64	Oct 27, 2016	Taguchi and utility based concept for determining of optimal process parameters of cold sprayed coatings for multiple responses	International Journal on Interactive design and manufacturing, Vol. 11, Nos.4, November 2017, pp.761-769. SCI2 doi:10.1007/s12008-016-0359-7	yes	07
65	Dec 22, 2017	Study of the microstructural and mechanical properties of	Intl J.Research. Appl. Sci. Eng. Technol., 5 (12), pp. 902-907	yes	03

		plasma sprayed HAp and HAp + 15 wt-% Al ₂ O ₃ coatings on pure titanium			
66	Oct 18, 2017	Heat Treatment of Plasma Sprayed Hydroxyapatite Coatings: Microstructural and Mechanical Characterization	Intl J. Scient. Research. Sci. Eng. Technol., 3(6), pp. 805-812.	yes	01
67	Oct 22, 2017	Perceptions of Exective employees towards HRM Practices in selected private sector banks in Punjab	International Journal of Research in Commerce, IT & Management", Vol. 7, No.6, PP. 1-8, ISSN 2231-5756	yes	
68	Sep 15, 2017	How long job satisfaction of managerial employees is required with relation to Human Resource Management Practices	SS International Journal of Economics and Management Practices, Vol. 7, No. 4, July 2017, PP. 1-14, ISSN 2231-4962 (IF 0.564)	yes	
69	Jan 19, 2017	Characteristic study of N07718 superalloy surface prepared by cold spray	Materials and Manufacturing Processes, (2018) 33(2), 140-148, DOI: 10.1080/10426914.2016.1269922 (Taylor & Francis Publication, Impact Factor 3.046)	yes	10
70	Aug 15, 2018	Tribological Characterization Of Plasma Sprayed Pure Hydroxyapatite Coatings	International Journal of Research and Analytical Reviews., 5(2), pp. 688-691	yes	02
71	Apr 26, 2017	Characteristic study of cold sprayed N06601 superalloy surface	Surface Engineering, (2018), 34(5), 369-379, http://dx.doi.org/10.1080/02670844.2017.1312220 . (Taylor & Francis Publication, Impact Factor 2.433)	yes	10
72	Dec 22, 2018	Human Resource Practices and Job Satisfaction in Selected New Generation Private	Pacific Business Review International, Vol.11, Issue 6, Dec, 2018. pp 07-16 (ISSN	yes	01

		Banks: An Empirical Study of their Relationship & their impact among executive employees”	0974 438X) Impact Factor 6.56		
73	Dec 15, 2019	Is Goods and Service Tax (GST) Really a Landmark in Indian Taxation System Indeed? A Review	Pacific Business Review International, Vol.12, Issue 5, Nov, 2019. pp 80-85 (ISSN 0974 438X) Impact Factor 6.56	yes	02
74	Sep 15, 2018	Executive Employees’ Commitment in Selected New Generation Private Banks in Punjab: A Comparative Study	Pacific Business Review International, Vol.11, Issue 2, Aug, 2018. pp 49-55 (ISSN 0974 438X) Impact Factor 6.56.	yes	
75	Oct 23, 2019	Microstructure of Ni-Cr Based Coating for Corrosive Conditions	Journal of Thermal Spray Technology, (2019), 28 (7), 1420–1432, DOI: 10.1007/s11666-019-00936-3. (Springer Nature Publication, Impact Factor 2.522)	yes	07
76	Sep 1, 2019	Analysis of cold spray-coated boiler-tube material in chlorine-based corrosive environment at 900°C	Materials and Corrosion. 71(2), PP 232-24, Impact Factor 1.533)	yes	05
77	Oct 15, 2020	Characterization and Electrochemical Corrosion Behaviour of FSPed WE43/Nano-SiC Surface Composite	Materials Today: Proceedings, 26(2), pp. 3138-3144. (SJR: 0.304 Indexing: Scopus, INSPEC)	yes	09
78	Apr 15, 2009	Erosion-Corrosion Behaviour of Ni-based SuperalloySuperni 75 in the Real Service Environment of the Boiler	Sadhna, Vol. 34, Part 2, pp. 299-307	yes	15
79	Jan 10, 2006	Hot Corrosion and Performance of Nickel Based Coatings	Current Science, Vol.90, No.1, pp. 41-47	yes	152
80	Sep 20, 2010	Effect of Nano-Coatings on Waste-to-Energy (WTE) Plant: A Review”,	i-manager’s Journal on Electronics	yes	07

			Engineering, Vol. 1, No. 1, pp. 1-7		
81	Nov 10, 2010	An overview on Cold spray process over competitive technologies for electro-technical applications	Indian Journal of Engineering, Science and Technology, ISSN: 0973-6255, Vol. 4, No. 1, pp. 41-45	yes	11
82	Jan 1, 2011	Scarcity of Energy and Waste-to-Energy (WTE) plant : A Review”,	i-manager’s Journal on Mechanical Engineering, Vol 1, No. 1, pp. 1-15	yes	
83	Oct 1, 2013	Characterisation of Cold Sprayed NiCoCrAlY coatings on Fe-Based Superalloy and Hot Corrosion Behaviour in Na ₂ SO ₄ -NaCl Environment:	Journal on future Engineering and Technology, Vol 9, No.1, PP 15-26	yes	01
84	Sep 15, 2013	Hot Corrosion in Bio Medical Waste Incinerator and Cold Spray coatings-A-Review”	Journal on Material Science, 1(2), PP 1-12.	yes	05
85	Sep 15, 2013	Characterisation of NiCrAlY Coatings on Ni- and Fe- Based Superalloys By the Cold Spray Process”	i-manager’s Journal on Materials Science, Vol 11, No.21, PP 19-25	yes	02
86	Oct 15, 2014	Human Resource Development Climate in Selected Private Sector Banks in Punjab, India-A Survey”	lmanager’;s Journal on Management Vol. 9, No. 11, June Aug 2014, pp 34-40, ISSN 0973-5054.	yes	01
87	Oct 15, 2014	Impact of HRM Practices on Organisational Commitment of Managerial Employees in the Textile Industry	ilmanager's Journal on Management Vol. 9, No. 1, June Aug 2014, pp 41-47, ISSN 0973-5054.	yes	05
88	Oct 15, 2016	Finite element modelling and analysis of powder stream in Low pressure cold spray process”,	The Journal of Institution of Engineers India-Series C, Vol. 97, No. 3, July-Sep, 2016, PP.331-344	yes	03

89	Sep 10, 2017	Job satisfaction among executive employees in selected private sector banks in Punjab:-A Comparative study”,	i-manager's Journal on Management, Vol. 12, No. 1, June-Aug 2017, pp 25-32, ISSN 0973-5054	yes	02
90	Feb 15, 2017	Human Resource Practices and Commitment of Employees in India's Textile Industry in Context of Management Levels”,	i-manager's Journal on Management, 12 (2), pp.45-60	yes	04
91	Jul 15, 2017	Job Satisfaction of Managerial Employees is Essential in the Era of Human Resource”,	Quest - The Journal of UGC - HRDC Nainital, 11(3),pp. 288-300.	yes	01
92	Aug 15, 2017	Organizational Commitment of Managerial Employees: A Study of Textile Industry of India, .	Pacific Business Review International, 10(6), pp.85-92	yes	01
93	Jan 1, 2018	Study and Characterization of Mechanical and Electrochemical Corrosion Properties of Plasma Sprayed Hydroxyapatite Coatings on AISI 304L Stainless Steel	J. Biomimetics Biomaterials and Biomedical Eng., 35, pp. 20-34.	yes	16
94	Jan 31, 2020	Development and characterization of WE43/nano-TiC surface composite by friction stir processing technique	Measurement and Control, 53(3-4), pp. 730-741. (Impact Factor: 1.492)	yes	09
95	Sep 20, 2020	The Most Awaited Reform in Indian Taxation System! Is Really Good or Bad?”	Journal of Commerce and Management Thought Vol.11 (1) pp 13-22.	yes	
96	Nov 15, 2020	How would Indian Economy become worth \$ 5 trillion? Performance of selected Variables for previous few years conveys a different state of affairs	i-manager's Journal on Economics and Commerce, Volume 1, Issue 2, pp 9-17	yes	

97	Under Review	Characterization of cold sprayed copper coatings on Brass	International Journal of Materials Engineering Innovation	yes	
98	Under Review	Investigation on multiple parametric optimization of cold sprayed coatings process	Journal of Surface Science & Technology	yes	
99	Under Review	Investigation on technique for multiple parameter optimization of cold sprayed coatings process	International Journal of Advanced Manufacturing Technology	yes	

C.Participation & presentations in International conferences:

C.I.National: 26Nos

Sr. No	Date	Title of Conference	Title of Presentation
1	Sep 8-9, 2017	3rd National Conference on Advances in Manufacturing Systems held at Shaheed Bhagat Singh State Technical Campus , Ferozepur, Punjab	Surface Characterization of Plasma Sprayed Hydroxyapatite Coatings on Pure Titanium
2	Dec 19-21, 2016	4th International Conference on Production and Industrial Engineering, NIT Jalandhar, India	Microstructural Characterization Of Plasma Sprayed Pure And Reinforced Hydroxyapatite Coatings
3	March 28-29, 2014	National Conference on Latest Developments in Science ,Engg. and Management(LDSEM) 28th – 29th March'2014 held at AACET, Amritsar	An Overview of Thermal Spraying Techniques used to deposit Hydroxyapatite Coatings
4.	March 10-11 2012.	2nd National Conference on Changing Dimensions of Business Issues, Challenges and Opportunities for the Corporate World held at Global Institute of Management on	Impact of HR Practices on Job Satisfaction in Different Organisations
5.	Oct. 11-14,2012	BhartiyaVigyanSammelan (2012) held at LPU, Jalandha	An Overview of cold gas dynamic spray coating technology

6.	March 10-11 2012	2 nd National Conference on changing dimensions of business: Issues, challenges & opportunities for the corporate world, Global Institute of Management, Amritsar, March 2012	Impact of HR practices on job satisfaction in different organizations- a review
7.	March 15-16, 2012	National Conference on Advances in Manufacturing Technology (NCAMT'12), National Institute of Technical Teacher's Training and Research (NITTTR), Chandigarh.	A review on coating technology processes and its advancements
8.	Oct 6-8, 2011	National Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'11), PTU, Kapurthala.	Effect of nozzle geometry on exit velocity, temperature and pressure for cold spray process
9.	Oct 6-8, 2011	National Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'11), PTU Kapurthala.	Low- pressure cold sprayed coatings process parameter optimization using Taguchi multi-response
10	Feb.19-20, 2010	National Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, Yadvindra college of engineering, Punjabi university, guru kashi campus, Talwandi Sabo	Study of the effect of fuel contents on the efficiency of waste-to-energy (WTE) plants
11.	Feb.19-20, 2010	National Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, Yadvindra college of engineering, Punjabi university, guru kashi campus, Talwandi Sabo	High Temperature Corrosion in Bio Medical waste incinerator
12.	Feb.19-20, 2010	National Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'10), YCoE, Talwandi Sabo	An overview on Cold spray process over competitive technologies for electro-technical applications
13.	October 29-30, 2010,	National Conference on Futuristic Trends in Mechanical Engineering (FTME-2010), GNDEC, Ludhiana	Coating density optimisation of cold gas dynamic sprayed coatings for electro-technical applications

14.	Sep 13-14, 2007	National Conference on Futuristic Trends in Mechanical Engineering held at Shaheed Udham Singh College of Engineering and Technology, Tangori, Mohali	High Temperature Corrosion Resistance of HVOF Sprayed Ni-Al Coating on Ni-based Superalloys
15.	Sep. 21-22, 2007	National Conference on "Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh,	High Temperature Corrosion Behaviour of Fe- and Ni-based Superalloys in air and 75%Na ₂ SO ₄ + 25% K ₂ SO ₄ Molten Salt Environments
16.	Sep. 21-22, 2007	National Conference on "Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh,	High Temperature Performance of HVOF sprayed NiCrAlFeMo Coating
17.	October 13-14, 2006	National Conference on 'Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'06) held at GZS College of Engineering and Technology Bathinda	Oxidation and Hot Corrosion Behaviour of Ni-Based Superalloy
18.	October 13-14, 2006	National Conference on 'Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'06) held at GZS College of Engineering and Technology Bathinda	Hot Corrosion Performance of Plasma Sprayed Ni-20Cr Coatings
19.	April 5, 2003	National Seminar on Customer Relation Management: Emerging Trend in Indian Industry, held at Guru Nanak Institute of Management and Technology, Ludhiana, Punjab	Customer Relation Management
20.	2003	National Conference on Computer Integrated Design and Manufacturing, Amrita Institute of Technology and Sciences, Coimbatore	Designing the Element of MRP-I System in 'Make to Order Company
21.	April 26, 2002	Annual Convention of ISTE-2002 and National Seminar on Integrating Human Values in Technical Education, held at BBSB Engg. College, Fatehgarh Sahib,	Integrating Human Values in Technical Institutes
22.	Sep. 29-30, 2000	Sixteen National Convention of Mechanical Engineers and National	Optimal Selection of Machining Parameters by using Goal

		Seminar on Future Trends in Mechanical Engineering, Research and Development, University of Roorkee,	Programming Technique in Single Pass Turning
23.	Sep. 29-30, 2000	Sixteen National convention of Mechanical Engineers and National Seminar on Future Trends in Mechanical Engineering, Research and Development, University of Roorkee,	Minimization of Inventory Cost in Job using Material Requirement Planning-I System
24.	April 12, 1995	National Seminar on Safe Environment for 21 st Century, held at College of Engineering and Technology, Bathinda,	Eco-Friendly Manufacturing Technology V-Process
25.	Sep.9-10, 1994	All India Seminar on Manufacturing Environment and Technology in Ist Decade of 21 st Century, Institute of Engineers, Chandigarh Chapter,	Study of the effects of V-Process Variables on the deviations of casting dimensions from pattern dimensions
26.	Sep. 21-22, 2007	Expert Lecture delivered during the inaugural ceremony of National Conference on "Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh,	Hot Corrosion Degradation of Materials

C.II. International:49 Nos

Sr. No	Date	Title of Conference	Title of Presentation
1	Jan 23, 2021	International Conference On Emerging Trends In Engineering & Management,	A Review On Post Coating Heat Treatment Of Hydroxyapatite Coatings
2	Nov 6-7, 2020	International Conference on Advances in Sustainable Technologies, LPU Phagwara	Matallurgical and mechanical behaviour of friction stir processed WE43/nanoSiC surface composite
3	27.04.2019	International Conference On Emerging Trends In Engineering & Management	An Overview of the materials used for the biomedical applications
4.	Oct 14-18, 2018	M S & T 18 Conference, , Columbus, Ohio, US	Investigation on multiple parametric optimization of cold sprayed coatings process
5.	Dec 19-21, 2016	International Conference on Production and Industrial	Microstructural characterization of plasma sprayed pure and

		Engineering, CPIE-2016 held at NIT, Jalandhar.	reinforced hydroxyapatite coatings
6.	Jul 4-8,2016	Toronto 2016 AES-ATEMA International Conference on Advances and trends in Engineering Materials and their Applications	Investigation on Process Parameter Optimization of Cold Sprayed Coatings for Multiple Responses-Coating Density and Microhardness
7.	June 8-12, 2015	International Manufacturing Research Conference 2015 (MSEC 2015), Charlotte, North Carolina, US	Characterization of cold sprayed copper coatings on Al alloy substrate
8.	May 11-13, 2015	2015 IFAC Symposium on Information Control in Manufacturing (INCOM 2015), Ottawa, Canada	Investigation on process parameter optimization of cold sprayed coatings for multiple responses- coating density and micro hardness
9.	June 8–12, 2015	International Manufacturing Research Conference 2015 (MSEC 2015), UNC Charlotte, North Carolina, US.	Characterization of cold sprayed copper coatings on Al alloy substrate
10	October 12-16, 2014	Material Science and Technology (MS&T'14) Conference and Exhibition, Pittsburgh, PA, US	Investigation on process parameter optimization of cold sprayed coatings for multiple responses
11.	Oct 16-18, 2014	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, 2014,PTU Jalandhar	Hot Corrosion Studies of Cold Sprayed NiCrAlY Coating on Nickel-Based Superalloy at 900oC
12.	Oct 16-18, 20	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, 2014,PTU Jalandhar	Effect of Reinforcement on the performance of Plasma Sprayed Hydroxyapatite Coatings :A Review
13.	Oct 16-18, 20	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'14), PTU Jalandhar	Investigation on process parameter optimization for surface roughness and micro hardness of cold sprayed coatings
14.	March 29-31, 2013	International Conference on Production and Industrial Engineering, CPIE-2013 held at NIT, Jalandhar	A review on Thermal spraying processes used for bioceramic coatings
15.	Oct 3-6, 2013	International Conference on Advancements and Futuristic Trends in Mechanical and	Cold Spray: A Novel Solid State Coating Technology

		Materials Engineering, 2013, organized by PTU Jalandhar	
16.	May 13-15, 2013	International Thermal Spray Conference (ITSC) 2013, Busan, Republic of Korea	Taguchi method and utility concept based approach for multi-response optimization of process parameters for cold sprayed coatings
17.	May 13-15, 2013	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, 2013, organized by PTU Jalandhar	Degradation of Some Superalloys by Hot Corrosion and Role of Cold Spray Coatings—A review
18.	August 12-16, 2013,	15 th International Conference on Advances and trends in Engineering Materials and their Applications (AES-ATEMA'2013), Vancouver, Canada	Optimization of Corrosion Test and Wear Test on Al/SiC – Metal Matrix Composite Using Taguchi Method
19.	August 05-09, 2013	International Conference on Advances and trends in Engineering Materials and their Applications (AES-ATEMA'2013), Toronto, Canada	Characterization of cold sprayed copper coatings on ASTM B 435 alloy
20.	Oct 3-6, 2013	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'13), Punjab Technical University, Kapurthala	Investigation on multi-response parameter optimization of cold spray coating process
21.	OPCT 24-26, 2013	International Conference on Research and Innovations in Mechanical Engineering ICRIME-2013, GNDEC, Ludhiana, Punjab	Investigation on process parameter optimization for coating density and micro hardness of cold sprayed coatings
22.	October 5-7, 2012	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering held at PTU Jalandhar	An overview of the effect of hot corrosion in waste to- energy (WTE) plant environment
23.	October 5-7, 2012	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering held at PTU Jalandhar	An overview of corrosion resistant coatings in waste to energy boiler environment
24.	May 21-24, 2012	International Thermal Spray Conference (ITSC) 2012, Houston, Texas, USA	Multi-response Optimization of process parameters for Low-Pressure Cold Spray coating

			process using Taguchi and Utility concept
25.	August 06-10, 2012,	International Conference on Advances and trends in Engineering Materials and their Applications (AES-ATEMA'2012), Toronto, Canada.	Cold sprayed copper coatings on Brass: Characterization and corrosion studies in simulated marine and industrial environment
26.	September 27-28, 2012	International Conference on Application of optimization Techniques in Engineering (ICAOTE'12), Kodikanal, Tamilnadu	Cold spray process optimisation for micro hardness using Taguchi Method
27.	Jan 6-7, 2012	National Conference on Advancements in Mechanical Engineering & Energy Environment (AMEEE-12) held at SLIET Longowal.	Materials, Modification Techniques and Failure of Bioimplants: An Overview
28.	Oct 12-13, 2012	International Conference on Advancements in Engineering and Technology (ICAET-12) held at Bhai Gurdas Institute of Engineering and Technology ,Punjab	An overview of Hydroxyapatite coatings for Bioimplants
29.	August 01-05 ,2011	AES-ATEMA' 2011 Ninth International Conference on Advances and trends in Engineering Materials and their Applications, Montreal, Canada,	Studies of the Microstructural and Mechanical Properties of HVOF Sprayed Ni-Al Coating on Ni-Based Superalloys
30.	Oct 16–20, 2011	International conference on Material science and technology, conference and exhibition, MS&T'11, 2011, Columbus, Ohio, USA	An overview of hot corrosion in waste to energy boiler environment and its remedies
31.	Aug 01-05, 2011	Ninth International Conference on Advances and trends in Engineering Materials and their Applications, Montreal, Canada,	Characterization of cold sprayed copper coatings on ASTM B 36 alloy
32.	June 6-8, 2011	International Conference on Advances in Mechanical Engineering (ICAME 2011), SVNIT, Surat	Introduction to cold gas dynamic thermal spray coating technique and its prospective use for electro-technical applications
33.	October 16-20, 2011,	Corrosion Protection through Metallic and Non-Metallic Coatings Symposium, Material Science and Technology (MS&T'11) Conference	Characterization of Copper coatings on ASTM B221 Alloy by Low Pressure Cold Spray Process

		and Exhibition, Columbus, Ohio, US.	
34.	Dec 13-15, 2010	3rd Intl. and 24th All India Manufacturing Technology, Design and Research (AIMTDR 2010) Conference, Andhra University, Vishakapatnam,	Coating thickness optimisation of cold sprayed coatings for electro-technical purposes using Taguchi method
35.	Dec. 03-05,2010	2nd International Conference on Production and Industrial Engineering (CPIE-2010), held at Dr. B.R. Ambedkar NIT Jalandhar,	Parametric effects of HVOF Process on erosion corrosion behavior of Coatings-A Review
36.	Dec 03-05, 2010	2nd International Conference on Production and Industrial Engineering (CPIE 2010), NIT, Jalandhar	Cold gas dynamic spray process optimisation for coating density
37.	Aug 3-5, 2009	International Conference on Advances in Mechanical Engineering (ICAME 2009), SVNIT, Surat,	Coating deposition by Cold gas dynamic spray process- A review
38.	November , 2009	New Developments in Thermal Spray Coatings, Processes and Applications, Chicago, Illinois, USA.	A review on cold gas dynamic sprayed coatings
39.	May 16, 2007	International Thermal Spray Conference(ITSC), Session 1: Corrosion Protection, China, Beijing	Oxidation and hot-corrosion resistance of HVOF WC-NiCrFeSiB coating on Ni- and Fe-based superalloys at 800 °C
40.	Oct. 15-16, 2007	Metal R & D for 21 st century (TMETC), , Bangkok,	Hot Corrosion of Fe-Based Superalloys -A Review
41.	May 16-19, 2007.	ISFM-2007, The International Symposium on Functional Materials, Hangzhou, China	A Review on the Role of Ni-Cr Coatings in Providing High Temperature Corrosion Resistance
42.	Jul 9-11, 2007,	2nd International Conference on Surfaces, Coatings and Nanostructured Materials (NanSMat-2007), Alvor, Algarve, PORTUGAL	Erosion-Corrosion Behaviour of Ni-based SuperalloySuperni 75 in the Real Service Environment of the Boiler
43.	May 15-18, 2006	International Thermal Spray Conference, Thermal Spray 2006: (Seattle, Washington, USA),	Characterizations and hot corrosion resistance of Cr ₃ C ₂ -NiCr coating on Ni-base superalloys in an aggressive environment
44.	November 9-10, 2006	ASMP 2006, Proc. Asian Symposium on Materials and Processing 2006,Thiland	Microstructural and Mechanical Properties of HVOF Sprayed

			Cr ₃ C ₂ -NiCr Coating on Nickel-Based Superalloy Superni 718
45.	December 11-15, 2006	13 th International Conference of Technological Advances on Thin Films & Surface Coatings, Institute of Materials, Nanyang Technological University, Singapore	Role of Cr ₃ C ₂ -NiCr Coating in Combating Hot Corrosion of Superalloy Superni 718 in Na ₂ SO ₄ -V ₂ O ₅ Molten Salt Environment
46.	Sep 6-9, 2005,	International Conference on Surfaces, Coatings and Nanostructured Materials” University of Aveiro, Portugal	Characterisation of NiCrBSi Coatings on Ni- and Fe- Base Superalloys by HVOF Techniques
47.	July 13-17, 2004,	2nd International Conference on Technological Advances of Thin Films & Surface Coatings, THIN FILMS 2004, Singapore	Hot Corrosion of Some Superalloys and Role of High-Velocity Oxy-Fuel Spray Coatings—A Review
48.	December 16-18, 2004	Indo-Japan Conference on “Damage Tolerant Design and Materials”, IITM, Chennai, India,	Hot Corrosion Behaviour of Nickel Based Coatings
49	November 08 -10, 2004	TransMat Expo 2004-An ASM International Conference and Exhibition on Advancements in Materials and Processes for Transportation Sector, , Mumbai, India.	Hot Corrosion Induced by Na ₂ SO ₄ and/or V ₂ O ₅ Salt Environments

D. Participation & contribution in National/International Forum in the area of your academic and professional expertise:

		Nos
Plenary Lectures/Invited Talks	International	02
	National	10
Conferences attended	International	08
	National	15
Examinership etc	International	nil
	National	20

9. Research Projects:-11.05 Crore

S.No.	Client/Organisation's name	Nature of Project	Duration of Project	Amount
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1.	AICTE	Erosion-Corrosion and Hot Corrosion Studies	02 years	15.00 Lacs
2.	AICTE	Materials Degradation and their Protection	02 years	10.00 Lacs
3.	AICTE	Collection of data of Cowshed in Punjab under Swachh Bharat Abhiyaan	02 years	4.5 Lacs
4.	DST	Experimental test bed for validation of Network Layer Attacks in Wireless sensor Networks	03 Years	22.7 Lacs
5.	AICTE	Research Techniques	01 years	5.00 Lacs
6.	MHRD	TEQIP-II	03Years	10.00 Crore
7.	AICTE	Modernization of CAD Lab	02 Years	11.00 Lacs
8.	AICTE	Modernization of Computational Lab	02 years	5.75
9.	UGC	Effluent removal from waste water	03 years	7.00 Lacs
10.	AICTE	Total Turnaround strategy for loss making psu	02 years	10.00 Lacs
11.	AICTE	Development of Manufacturing Process	02 years	15.0 acs

10. Consulting Experience	
1	Inspection of Rural development works Rs. 6.00 Lacs
2.	Materials Testing of EO, Nagar Council, Ferozepur Rs. 4.70 Lacs
3.	Construction Material testing, SDO drainage, Ferozepur Rs. 18000
4.	Testing of Materials, , Executive officer, Nagar Council, Guru HarSahai Rs. 2.00 Lacs
5.	Material testing, Executive Engineer, Punjab Mandi Board Rs. 3.81 Lacs

11. (a) Honours/Awards for Outstanding works:			
Sr. No.	Name of Awards/Honours	Awarded by	Year of Award
1.	Best Ph.DAward	NACE International	2007
2.	Appreciation letter for submitting Ph.D in shortest time (in 2 years 04 Months)	IIT Roorkee	2006
3.	Best Paper Award	University of Aveiro, Portugal	2005
4.	Paper rated at 6th position among the top 25 papers	International journal "Surf. Coat. Technol." (Elsevier)	2005

5.	Bio-data published in the American Journal(Annex-VI)	Journal of Thermal Spray Technology	2006
6.	Best Green Campus Award	Govt of Punjab	2016
7.	Outstanding Institute Award (Engineering Wing)	National Institute of Technical Teachers Training and Research (NITTTR)	2015
8.	Outstanding Institute Award (Polytechnic Wing)	National Institute of Technical Teachers Training and Research (NITTTR)	2014

b. Patent s awarded			
S. No.	Title of Patent	Date of Grant	Patent No.
1.	A Coating Process for Medical Waste Incinerator	21.09.2023	453621

12. No. of Research Scholars Successfully Guided -07 Candidates	
Name of Programme	Ph.D awarded
Mechanical Engineering	<ol style="list-style-type: none"> 1. Dr. Harminder Singh, Asstt. Professor, GNDU Amritsar 2. Dr. TarunGoyal, Professor SUSCET, Mohali 3. Dr. Sukhmander Singh Kalsi, Professor, ACET, Amritsar 4. Dr. Vikas Rattan, DAV University, Jalandhar 5. Mrs. Vaishali, BHSBIET, Lehragaga
Management	<ol style="list-style-type: none"> 6. Mr. Sanjeev, Assot Professor, ACET, Amritsar 7. Ms. Shruti, Assot Prof. ACET, Amritsar

13. Key Achievements during my tenure as Director of Shaheed Bhagat Singh State University, Ferozpur:
<p>1. Institutional Upgrade</p> <p>Successfully upgraded SBS College of Engineering and Technology to Shaheed Bhagat Singh State Technical Campus (SBSSTC), comprising Engineering, Management, and Polytechnic wings. Annual student intake increased from 380 to 1,370 within a span of six years. Subsequently, it is upgraded as Shaheed Bhagat Singh State University on 01.04.2021.</p>

2. Digital Transformation

Implemented an institution-wide ERP solution, marking the first deployment of its kind at SBSSTC, to streamline academic and administrative operations.

3. NBA Accreditation

Achieved NBA Accreditation for all five B.Tech programs in a single cycle—an exceptional milestone in institutional quality assurance.

4. Academic Autonomy

Secured Autonomous Status from the University Grants Commission (UGC), New Delhi in July 2015, enhancing academic flexibility and curriculum innovation.

5. NAAC Accreditation

Successfully completed NAAC Accreditation in August 2015, further validating the institution's academic and administrative excellence.

6. Top Ranking Institue

Ranked among the Top Five Engineering Institutions in Punjab by Punjab Technical University (PTU) in 2013, based on academic performance.

7. TEQIP-II Project Implementation

Got TEQIP_II Project from MHRD and implemented successfully focusing on lab modernization and infrastructure development.

8. Additional MHRD Grant

Awarded an additional grant of Rs. 5 crore by MHRD, Government of India, in recognition of outstanding execution of the TEQIP-II project.

9. Postgraduate Program Expansion

Introduced four full-time and five part-time AICTE-approved M.Tech programs, marking the first postgraduate offerings in the institution's history.

10. Diploma Programs Launched

Launched 3-year Diploma programs in five disciplines with a total intake of 360 students.

11. New Professional Programs

Started MBA, MCA, and BCA programs for the first time, each with an intake capacity of 60 students.

12. Infrastructure Development

Constructed two major academic blocks—Block D and Block E—at a cost of Rs. 7 crore, providing dedicated space for Polytechnic, MBA, and MCA programs (2012–13).

13. Major Lecture Hall Expansion

Constructed Lecture Hall Block-G comprising 24 lecture halls with a seating capacity of approximately 2,000 students, at a cost of Rs.7.5 crore (2013–14)—a landmark addition to academic infrastructure.

14. Hostel Infrastructure Development

Constructed one new Boys' Hostel and one Girls' Hostel in 2014–15, with a combined investment of Rs.9.5 crore, significantly enhancing on-campus residential capacity.

15. Central Library & Computer Centre

Established a state-of-the-art Central Library and Computer Centre in 2016 at a cost of Rs. 6 crore to support academic and digital learning resources.

16. Recreational Infrastructure

Constructed a modern swimming pool on campus with an estimated budget of Rs.2.69 crore to promote student wellness and extracurricular engagement.

17. Green and Student-Friendly Campus

Developed a lush green campus with three canteens, evening sports facilities, two floodlit lawn tennis courts, and multiple landscaped parks—fostering a holistic learning environment.

18. Institutional Governance

Organized 04 Board of Governors meetings, 03 Building & Works Committee meetings, 02 Finance Committee meetings every year ensuring high-level oversight and strategic direction.

19. Academic Governance

Conducted 04 Academic Council meetings and 02 Board of Studies meetings annually for ensuring efficient academic planning, curriculum development, and quality assurance.

14. Strength in 100 Words:

I perform every responsibility with dedication, integrity, and a commitment to excellence, consistently delivering positive outcomes. As Director of SBS State Technical Campus, Ferozepur for 12 years, I introduced several new programs—including M.Tech, B.Tech (Civil & Data Science), four Diploma Courses, B.Arch, BCA, MCA, B.Sc. Agriculture, and PGDCA—raising the intake from 380 to 1,370 students annually. Under my leadership, the institute got NBA, NAAC, and UGC autonomous status, received Rs.11.5 Cr in sponsored grants, outstanding Institute award from NITTTR Chandigarh, Best Green campus award from Govt of Punjab and PTU ranked it among top 05 Engineering college. I mobilized Rs. 35 Cr through IRG to construct key academic and residential facilities such as Lecture Halls Complex, Central Library, Computer Centre, Boys and Girls Hostels, and State-of-Art Swimming pool.

My efforts led to institutional growth across academics, infrastructure, and governance, culminating in its elevation to a State University in 2021.



(Tejinder Singh Sidhu)