


1.	<b>Name</b>	<b>Dr. T.S. Sidhu</b>															
2.	<b>Designation</b>	Professor															
3.	<b>Date of Birth</b>	Dec. 10, 1965															
4.	<b>Education Qualification</b>	<ul style="list-style-type: none"> <li>• B.E. (Mech. Engg), Panjab Uni. Chandigarh</li> <li>• M.E. (Mech. Engg), PanjabUni. Chandigarh</li> <li>• M.B.A., Punjabi University Patiala</li> <li>• Ph.D, IIT Roorkee</li> </ul>															
																	
		Email: <a href="mailto:tssidhu@rediffmail.com">tssidhu@rediffmail.com</a>															
5.	<b>Work Experience</b>	<p><b>Teaching : 18 years 06 months</b></p> <table border="1"> <tr> <td>• Lecturer at Guru Nanak Dev Engg. College, Ludhiana</td> <td>2 yrs 1 month</td> </tr> <tr> <td>• Lecturer at G.Z.S. College of Engg. &amp; Tech., Bathinda</td> <td>4 yrs 3 months</td> </tr> <tr> <td>• Asstt. Prof. at S.B.S. College of Engg. &amp; Tech.,Ferozpur</td> <td>9 yrs 9 months</td> </tr> <tr> <td>• Professor at S.B.S. College of Engg. &amp; Tech.,Ferozpur</td> <td>2 yrs 5 months</td> </tr> <tr> <td>• Principal, Baba Hira Singh Bhattal Institute of Engineering &amp; Technology, Lehragaga, Sangrur, Punjab</td> <td>1 year 1 month</td> </tr> <tr> <td>• Principal, Shaheed Bhagat Singh College of Engineering &amp; Technology, Ferozpur, Punjab</td> <td>08 months</td> </tr> <tr> <td>•</td> <td></td> </tr> </table> <p><b>Research : 2 years 7 months</b></p> <p><b>Others :</b></p> <ul style="list-style-type: none"> <li>(i) Dean (Administration) -02 years)</li> <li>(ii) Head, Deptt. of Mechanical &amp; Production Engineering – 02 years</li> <li>(iii) Head, Deptt. of Industrial Engineering – 2 years</li> <li>(iv) Estate Officer - 02 years</li> <li>(v) Hostel Warden - 03 years</li> <li>(vi) Training &amp; Placement Officer - 02 years</li> <li>(vii) Officer Incharge Security, Sweepers and Horticulture Services- 02 years</li> </ul>		• Lecturer at Guru Nanak Dev Engg. College, Ludhiana	2 yrs 1 month	• Lecturer at G.Z.S. College of Engg. & Tech., Bathinda	4 yrs 3 months	• Asstt. Prof. at S.B.S. College of Engg. & Tech.,Ferozpur	9 yrs 9 months	• Professor at S.B.S. College of Engg. & Tech.,Ferozpur	2 yrs 5 months	• Principal, Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga, Sangrur, Punjab	1 year 1 month	• Principal, Shaheed Bhagat Singh College of Engineering & Technology, Ferozpur, Punjab	08 months	•	
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• Principal, Shaheed Bhagat Singh College of Engineering & Technology, Ferozpur, Punjab	08 months																
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6.	<b>Area of Specializations</b>	<ul style="list-style-type: none"> <li>• High Temperature Degradation of Metals and Alloys</li> <li>• Hot Corrosion</li> <li>• Oxidation</li> <li>• Protective Coatings</li> <li>• High Velocity Oxy-Fuel (HVOF) Sprayed Coatings</li> </ul>		
7.	<b>Subjects Teaching at</b>	<b>(a) Graduate Level</b>		<ul style="list-style-type: none"> <li>• Engineering Materials</li> <li>• Production Planning and Control</li> <li>• Total Quality Management</li> <li>• Work Study and Ergonomics</li> <li>• Operation Research</li> <li>• Statistics</li> </ul>
		<b>(b) Post Graduate Level</b>		<ul style="list-style-type: none"> <li>• Methods Engg. &amp; Ergonomics</li> <li>• Quantitative Techniques</li> <li>• Principles Practice and Mgmt.</li> </ul>
8.	<b>Total Number of Research Publications (Annexure-A)</b>	<b>Published</b>	<b>51</b>	<b>Communicated</b>
		<ul style="list-style-type: none"> <li>• <b>International Journals*</b></li> <li>• <b>National Journals**</b></li> <li>• <b>International Conferences</b></li> <li>• <b>National Conferences</b></li> </ul>	24 02 12 13	01   02
<p>* Acta Materialia -01      Thin Solid Films-01      J. Mater. Engg. Perform. -02          Scripta Materialia-01      Surf. Coat. Technol. -05      J. Thermal Spray Technol.-03          Mater. Sci. Engg.-A-02      Materials Perform.-01      Metallurgical and Materials Trans. A-01          Marine Technol. Soc. J.-01      Physicochemical      J. Naval Arch. Marine Engg.-1          Int. J. Phy. Sci.-01      Mechanics of Materials-01      Corrosion Engg. Sci. Tech.-1          Corrosion-1</p> <p>** Sadhna-01          Current Science-01</p>				
9.	<b>No. of Research Papers Published in</b>			
	<b>Master's</b>	<b>National Conferences-01</b>		

	<b>Ph.D</b>	<ul style="list-style-type: none"> <li>• <b>International Journals-24</b></li> <li>• <b>National Journals-02</b></li> <li>• <b>International Conferences-12</b></li> <li>• <b>National Conferences-06</b></li> </ul>
10.	<b>Academic Achievements and Awards.</b>	<p>(i) <b>NACE International</b> India Section has awarded <b>“Best Ph.D. Award”</b>, along with a citation and cash award of Rs. 5000 for meritorious contributions in the field of corrosion sciences.</p> <p>(ii) Got ‘Student Award’ to attend the “International Conference on Surfaces, Coatings and Nanostructured Materials” held at University of Aveiro, Portugal, on 6-9 September 2005.</p> <p>(iii) Got appreciation letter from IIT Roorkee for submitting Ph.D. thesis in a record time of <b>02 years and 04 months</b>, with record number of publications i.e. <b>18 research papers in international referred journals</b> of repute and 07 research papers in international conferences out of Ph.D. thesis.</p> <p>(iv) One of my papers titled “Hot Corrosion of Some Superalloys and role of High-Velocity Oxy-Fuel Spray Coating-A Review, has been <b>rated at 6<sup>th</sup> position among the top 25 papers of the international journal “Surf. Coat. Technol.” (Elsevier).</b></p> <p>(v) Got rare distinction of publication of ‘<b>Bio-data</b>’ in the American Journal <b>“Journal of Thermal Spray Technology”</b> Vol. 15(3), pp. 320-322, under the column ‘Meet Our New Colleague’. <b>This column of the journal presents selected currently graduating Ph.D. students in the thermal spray field around the world.</b></p> <p>(vi) <b>Working as reviewer for the following journals:</b></p> <ol style="list-style-type: none"> <li>a) Surface and Coating Technology (Elsevier)</li> <li>b) Journal of Materials Research</li> <li>c) Journal of the American Ceramic Society</li> <li>d) Wear (Elsevier)</li> <li>e) Scripta Materialia</li> <li>f) Corrosion Science,</li> <li>g) Int. Journal of Physical Sciences.</li> <li>h) Crystal Growth &amp; Design</li> </ol>

11.	<b>Projects Carried out</b>	(a) Modernization of Thermal Engineering Lab (b) Development of Manufacturing Process Lab.	Rs. 4 Lacs Rs. 10 Lacs
12.	<b>Projects in Hand</b>	(a) Erosion-Corrosion and Hot Corrosion Studies on HVOF Spray Coatings Using Conventional and Nano-Structured Feedstock Alloys (b) Modernisation of Materials and Metallurgy Laboratory	Rs. 12 Lacs Rs. 15 Lacs
13.	<b>Short-Term Courses Organised</b>	(a) Total Quality Management & ISO 9000 (b) Industry Institute interaction-New Challenges (c) Materials Degradation and their Protection (d) Entrepreneurship Development Programme (e) Entrepreneurship Awareness Camp	02 Weeks 02 Weeks 01 Week 01 Week 02 days
14.	<b>Short-Term Courses Attended</b>	(a) ISO 9000 and Quality Systems (b) Applications of Finite Element Methods (c) Mathematical Modelling and Real Life Problems (d) Nano Technology-Nano Materials & their Applications (e) Teaching Methodologies and Pedagogy (f) Corrosion and its Protection (g) Personal computer and Applications (h) Industry Institute Interfacing-innovative Approaches (i) Instrumentations and Data Analysis	02 weeks 02 weeks 02 weeks 02 weeks 01 weeks 01 weeks 02 weeks 01 weeks 02 weeks
15.	<b>Membership of professional bodies:</b> (i) Member of ISTE Section Management Committee (Pb, HP, Chd, J&K Section) 2003-2004 (ii) Life Member of ISTE (No. LM 17941) (iii) Member, The Research Board of Advisors, The American Biographical Institute, since 2003.		

# ANNEXURE-A

## LIST OF PUBLICATIONS

### (A) International Referred Journals

1. **T.S Sidhu**, S. Prakash, R.D. Agrawal, and Ramesh Bhagat, (2009), Erosion-Corrosion Behaviour of Ni-based Superalloy Superni 75 in the Real Service Environment of the Boiler, *Sadhna*, Vol. 34, Part 2, pp. 299-307
2. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (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
3. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2007), Study of molten salt corrosion of HVOF sprayed cermet and nickel based coatings at 900 °C, *Metallurgical and Materials Transactions-A (ASM International)*, Jan. 2007, Vol. 38A, pp. 77-85.
4. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2007), "A comparative study of hot corrosion resistance of HVOF sprayed NiCrBSi and Stellite-6 Coated Ni-Based Superalloy at 900 °C" *Materials Science and Engineering-A (Elsevier)*, Vol. 445-446, pp. 210-218.
5. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (2007), "Performance of HVOF sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr Coating in Actual Boiler Environment of a Thermal Power Plant," *Corrosion (NACE International)*, Sep. 2007, Vol. 63, No. 9, pp. 828-834.
6. **T.S Sidhu**, A. Malik, S. Prakash and R.D. Agrawal, (2007), Oxidation and hot-corrosion resistance of HVOF WC-NiCrFeSiB coating on Ni- and Fe-based superalloys at 800 °C, *J. Therm. Spray Technol. (ASM International)*, Vol. 16, No. 5-6, December 2007, pp. 844-849.
7. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (2006), "Hot Corrosion Behaviour of HVOF Sprayed NiCrBSi Coatings on Ni- and Fe- Base

- Superalloys in Na<sub>2</sub>SO<sub>4</sub>-60%V<sub>2</sub>O<sub>5</sub> Environment at 900°C,” Acta Materialia (Elsevier), Vol. 54, No. 3, pp. 773-784.
8. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (2006), “Hot Corrosion Performance of a NiCr Coated Ni-based Alloy,” Scripta Materialia (Elsevier), Vol. 55, No. 2, pp. 179-182.
  9. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (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.
  10. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (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.
  11. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (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.
  12. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (2006), “Performance of High Velocity Oxy-Fuel Sprayed Coatings on a Fe-Based Superalloy in Na<sub>2</sub>SO<sub>4</sub>-60%V<sub>2</sub>O<sub>5</sub> Environment at 900°C. Part I: Characterisation of the Coatings,” J. Mater. Engg. Perform. (ASM International), Vol. 15 No. 1, pp. 122-129.
  13. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006) “Characterisations and Hot Corrosion Resistance of Cr<sub>3</sub>C<sub>2</sub>-NiCr Coating on Ni-base Superalloys in an aggressive Environment,” J. Therm. Spray Technol. (ASM International), Vol. 15, No. 4, pp. 811-816.
  14. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, S., (2006), “Performance of High Velocity Oxy-Fuel Sprayed Coatings on a Fe-Based Superalloy in Na<sub>2</sub>SO<sub>4</sub>-60%V<sub>2</sub>O<sub>5</sub> Environment at 900°C. Part II: Hot Corrosion Behaviour

- of the Coatings, *J. Mater. Engg. Perform. (ASM International)*, Vol. 15, No.1, pp. 130-138.
15. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (2006), "Hot Corrosion and Performance of Nickel Based Coatings," *Current Science*, Vol.90, No.1, pp. 41-47.
  16. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (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.
  17. **T.S Sidhu**, (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.
  18. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (2006), "Hot Corrosion studies of HVOF sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr and Ni-20Cr Coatings on Nickel Based Superalloy at 900°C," *Surf. Coat. Technol. (Elsevier)*, Vol. 201, No. 3-4, pp. 792-800.
  19. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (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.
  20. **T.S. Sidhu**, S. Prakash, and R. D. Agrawal, (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.
  21. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006), Cyclic oxidation behavior of Ni- and Fe-based superalloys in air and Na<sub>2</sub>SO<sub>4</sub>-25%NaCl molten salt environment at 800 °C , *Int J. Physical Sciences*, Vol. 1, No.1, pp. 027-033.

22. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006), "Study of Molten Salt Corrosion of Superni 75 using Thermogravimetric Technique" *Journal of Naval Architecture and Marine Engineering*, Vol. 3, No. 2, pp. 77-82.
23. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (2005) "State of the Art of HVOF Coating Investigation-A Review," *Marine Technology Society Journal*, Vol. 39, No. 2, pp. 55-66.
24. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (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.
25. **T.S. Sidhu**, R.D. Agrawal, and S. Prakash, (2005), "Hot Corrosion of Some Superalloys and Role of High-Velocity Oxy-Fuel Spray Coatings—A Review," *Surf. Coat. Technol. (Elsevier)*, Vol. 198, pp. 441-446.
26. **T.S. Sidhu**, S. Prakash, and R.D. Agrawal, (2005) "Studies on the Properties of High Velocity Oxy-Fuel Thermal Spray Coatings for Higher Temperature Applications", *Physicochemical Mechanics of Materials*, Vol. 41, No. 6, pp. 80-95.

## **(B) International Conferences**

27. **T.S Sidhu**, A. Malik, S. Prakash and R.D. Agrawal, (2007), Oxidation and hot-corrosion resistance of HVOF WC-NiCrFeSiB coating on Ni- and Fe-based superalloys at 800 °C, Proc. International Thermal Spray Conference(ITSC), Session 1: Corrosion Protection, China, Beijing, May 16, 2007.
28. **T.S. Sidhu**, Namrata Prasad, Ramesh Bhagat and S. Prakash, (2007) "Hot Corrosion of Fe-Based Superalloys -A Review", Proc. Metal R & D for 21<sup>st</sup> century (TMETC), Oct. 15-16, 2007, Bangkok, Thailand, Paper ID-TMETC-30-66.
29. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2007), "A Review on the Role of Ni-Cr Coatings in Providing High Temperature Corrosion Resistance,

Abstract published in ISFM-2007, The International Symposium on Functional Materials, Hangzhou, China, May 16-19, 2007.

30. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2007), "Erosion-Corrosion Behaviour of Ni-based Superalloy Superni 75 in the Real Service Environment of the Boiler" Abstract published in 2nd International Conference on Surfaces, Coatings and Nanostructured Materials (NanSMat-2007), 9-11 July 2007, Alvor, Algarve, PORTUGAL.
31. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006) "Characterizations and hot corrosion resistance of Cr<sub>3</sub>C<sub>2</sub>-NiCr coating on Ni-base superalloys in an aggressive environment", Proceedings of the International Thermal Spray Conference, Thermal Spray 2006: (Seattle, Washington, USA), May 15-18, 2006, B.R. Marple, M.M. Hyland, U.-Ch. Lau, R.S. Lima, and J. Voyer, Ed., ASM International, Materials Park, OH, 2006, (Paper No. EAP8.3.), pp 811-816
32. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006), "Microstructural and Mechanical Properties of HVOF Sprayed Cr<sub>3</sub>C<sub>2</sub>-NiCr Coating on Nickel-Based Superalloy Superni 718, Extended abstract published in ASMP 2006, Proc. Asian Symposium on Materials and Processing 2006, November 9-10, 2006, Thailand.
33. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2006), "Role of Cr<sub>3</sub>C<sub>2</sub>-NiCr Coating in Combating Hot Corrosion of Superalloy Superni 718 in Na<sub>2</sub>SO<sub>4</sub>-V<sub>2</sub>O<sub>5</sub> Molten Salt Environment, Thin Films 2006, Abstract published in the 13<sup>th</sup> International Conference of Technological Advances on Thin Films & Surface Coatings, Institute of Materials, Nanyang Technological University, Singapore, December 11-15, 2006. Paper ID: TCR135
34. **T.S Sidhu**, S. Prakash and R.D. Agrawal, (2005), "Characterisation of NiCrBSi Coatings on Ni- and Fe- Base Superalloys by HVOF Techniques", Proc. International Conference on Surfaces, Coatings and Nanostructured

Materials” 6-9 September 2005, University of Aveiro, Portugal. Paper No. FO-17.

35. **T.S Sidhu**, R.D. Agrawal and S. Prakash, (2004), “Hot Corrosion of Some Superalloys and Role of High-Velocity Oxy-Fuel Spray Coatings—A Review,” Proc. 2nd International Conference on Technological Advances of Thin Films & Surface Coatings, THIN FILMS 2004, 13-17 July, 2004, Singapore, Paper ID: 34-TCR-A801.
36. **T.S, Sidhu**, S. Prakash and R.D.Aggarwal, (2004), “Hot Corrosion Behaviour of Nickel Based Coatings”, Proc. Indo-Japan Conference on “Damage Tolerant Design and Materials”, IITM, Chennai, India, December 16-18, 2004, pp. 157-162.
37. S. Prakash, **T.S. Sidhu**, H. Singh (2004), “Hot Corrosion Induced by  $\text{Na}_2\text{SO}_4$  and/or  $\text{V}_2\text{O}_5$  Salt Environments” presented at TransMat Expo 2004-An ASM International Conference and Exhibition on Advancements in Materials and Processes for Transportation Sector, November 08 -10, 2004, Mumbai, India.
38. **T.S. Sidhu**, Namrta Prashad, J.S. Grewal and R.P. Singh, “Studies of the Microstructural and Mechanical Properties of HVOF Sprayed Ni-Al Coating on Ni-Based Superalloys” to be submitted.

### **(C) National Conferences**

39. **T.S. Sidhu**, Namrta Prashad, R.P. Singh, Sukhwant Singh, (2007), “High Temperature Corrosion Resistance of HVOF Sprayed Ni-Al Coating on Ni-based Superalloys”, presented and published in the proceeding of National Conference on Futuristic Trends in Mechanical Engineering held at Shaheed Udham Singh College of Engineering and Technology, Tangori, Mohali (Pb) on 13-14 September 2007, pp. 160-165.
40. **T.S. Sidhu**, Namrta Prashad, Ramesh Bhagat and Dharampal Kashyap, (2007) “High Temperature Corrosion Behaviour of Fe- and Ni-based Superalloys in air and 75% $\text{Na}_2\text{SO}_4$  + 25%  $\text{K}_2\text{SO}_4$  Molten Salt

- Environments” Proc. National Conference on “Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh, Sep. 21-22, 2007, pp. 457-461.
41. **T.S. Sidhu**, Namrta Prashad, Ramesh Bhagat, S. Prakash, (2007), “High Temperature Performance of HVOF sprayed NiCrAlFeMo Coating” Proc. National Conference on “Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh, Sep. 21-22, 2007, pp. 363-368
  42. **T.S Sidhu**, Harpreet Singh, S. Prakash and R.D. Agrawal, (2006), “Oxidation and Hot Corrosion Behaviour of Ni-Based Superalloy” presented and published at the National Conference on ‘Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME’06)’ held at GZS College of Engineering and Technology Bathinda, INDIA, October 13-14, 2006.
  43. H. Singh, D.S. Hira, S. Prakash, and **T.S. Sidhu**, (2006), “Hot Corrosion Performance of Plasma Sprayed Ni-20Cr Coatings,” presented and published at the National Conference on ‘Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME’06)’ held at GZS College of Engineering and Technology Bathinda, INDIA, October 13-14, 2006.
  44. **T.Sidhu**, R.P.Singh and Gazalpreet Arneja, (2003) “Customer Relation Management”, National Seminar on Customer Relation Management: Emerging Trend in Indian Industry, held at Guru Nanak Institute of Management and Technology, Ludhiana, Punjab., 5 April, 2003, pp. 20.
  45. Nripjit, J.S. Grewal, **T.S. Sidhu** and Anu Sheetal, (2003)“Designing the Element of MRP-I System in ‘Make to Order Company’”, Proceeding of the National Conference on Computer Integrated Design and Manufacturing, Amrita Institute of Technology and Sciences, Coimbatore, pp. 42-46.
  46. Vinod Kumar, **T.S. Sidhu**, and R.P. Singh, (2002) “Integrating Human Values in Technical Institutes”, Proc. Annual Convention of ISTE-2002

and National Seminar on Integrating Human Values in Technical Education, held at BBSB Engg. College, Fatehgarh Sahib, April 26, 2002, PP 50-53.

47. **T.S. Sidhu**, R. S. Bhullar and J.S. Tiwana, (2000), "Optimal Selection of Machining Parameters by using Goal Programming Technique in Single Pass Turning", Proceeding of Sixteen National Convention of Mechanical Engineers and National Seminar on Future Trends in Mechanical Engineering, Research and Development, University of Roorkee, Sep. 29-30, 2000, pp. 526-530.
48. Nripjit, J.S. Grewal, **T.S. Sidhu** and Anu Sheetal, (2000) "Minimization of Inventory Cost in Job using Material Requirement Planning-I System", Proceeding of Sixteen National convention of Mechanical Engineers and National Seminar on Future Trends in Mechanical Engineering, Research and Development, University of Roorkee, Sep. 29-30, 2000, pp. 591-597.
49. **T.S. Sidhu**, Gurpreet Singh, Aman Jindal, Sunil Vaid, Bhupinder Singh and O.K. Bhatia, 1995, "Eco-Friendly Manufacturing Technology V-Process", National Seminar on Safe Environment for 21<sup>st</sup> Century, held at College of Engineering and Technology, Bathinda, April 12, 1995.
50. **T.S. Sidhu** and D.S. Hira, (1994), "Study of the effects of V-Process Variables on the deviations of casting dimensions from pattern dimensions", Proc. All India Seminar on Manufacturing Environment and Technology in Ist Decade of 21<sup>st</sup> Century, Institute of Engineers, Chandigarh Chapter, Sep.9-10, 1994, pp. 21.

### **(C) Invited Talk**

51. **T.S. Sidhu**, (2007), "Hot Corrosion Degradation of Materials" Expert Lecture delivered during the inaugural ceremony of National Conference on "Advances in Materials and Manufacturing Technology (AAMT-2007), Punjab Engineering College, Chandigarh, Sep. 21-22, 2007.