


**DR SANJEEV KR SINGH YADAV**

	DESIGNATION	Assistant Professor
	QUALIFICATION	Ph.D
	AREA OF INTEREST	Manufacturing Science and Production Engineering
	PHONE NO.	08808208333
	EMAIL	sanjeevyadav276@gmail.com

## DETAILED PROFILE

<b>DR SANJEEV KR SINGH YADAV</b>			
	Designation	Assistant Professor	
	Phone no.	8808208333	
	Email	sanjeevyadav276@gmail.com	
	Website	<a href="http://www.hbtu.ac.in">www.hbtu.ac.in</a>	
	Google Scholar Address	<a href="https://scholar.google.co.in/citations?user=wVnnZMwAAAAJ&amp;hl=en&amp;oi=sra">https://scholar.google.co.in/citations?user=wVnnZMwAAAAJ&amp;hl=en&amp;oi=sra</a>	
<b>AREA OF INTEREST</b>			
Manufacturing Science, Advanced Machining Processes, Production Engineering, Hybrid Machining Processes, Rapid Prototyping, Design of Experiment, Computational Intelligence.			
<b>PROFESSIONAL EXPERIENCE</b>			
Designation	Organization	From	To
Assistant Professor	H.B.T.U Kanpur	19/01/2012	Continued
Assistant Professor	H.B.T.I Kanpur	19/01/2007	18/01/2012
Lecturer	Dr. B.R.A. University, Agra	July 2004	18/01/2007
<b>HONOURS, AWARDS AND FELLOWSHIPS</b>			
Name of Award/Honour / Fellowships		Organization	Year
Best Paper Award		National Conf. at G.B.Pant Univ. Pantnagar	2015
Received Certificate of Appreciation by Director for Good conduction and management in state level program		HBTI	2015
Young Scientist DST Project		DST New Delhi	2016
<b>DETAILS OF SUBJECTS TAUGHT</b>			
Names of Subjects at Under Graduate Level	Institution	Names of Subjects taught at Post Graduate Level	Institution
Adv.Manufacturing Processes, Manufacturing Science, Kinematicsof Machines, Manufacturing Science and Engineering I and II, Machine Drawing, Measurement system, Machine Design.	HBTU Kanpur	Rapid Prototyping, A.I in Engineering, Advanced Manufacturing Processes, Machining Science, Neural Network and Fuzzy system.	HBTU Kanpur
<b>EDUCATIONAL QUALIFICATION</b>			
Degree	University / Institution	Subject	Year
B.E	Dr B.R.A University, AGRA	Mechanical Engineering	2001
M.Tech	MNNIT Allahabad	Production Engineering	2004
Ph. D	MNNIT Allahabad	Mechanical Engineering	2013

**ADMINISTRATIVE EXPERIENCE**

- Held various responsibilities at Dr. B.R.A. University, Agra.
- Lab In-charge Manufacturing Science and CAM Lab from 17 March 2007 to till date.
- Lab In-charge of MMC Lab from Aug 2008 to Aug.2011
- Organized SEE-10, UPTU Lucknow in 2010 and 2014 as a Center Superintended.
- Member of Expert Committee at DMSRD Kanpur.
- Organized CEPTAM, DRDO Examination in 2012 and 1<sup>st</sup> Feb. 2015 as observer.
- Faculty advisor of AME (Association of Mechanical Engineers) From 2007 to 2010
- Organized student national level Programme MECHARNIVAL- 2008, 2009 and 2010
- Hostel Warden WCH-III from September 2009 to June 2010
- Hostel Warden WCH-II from June 2010 to March 2013
- Sports Convener, HBTI, from March 2013 to 2015
- Security In-charge, HBTI, from July 2013 to 2015
- Organized SEE-15 as Nodal Officer at H.B.T.I Kanpur
- Member of Selection Committee for at IIT Kanpur during 2014-15.
- Assistant Dean, Research and Development, HBTI Kanpur, from Oct.2015 – 2017
- Hostel Warden WCH-II from July 2016 to till date
- Faculty advisor of AME from July 2017 to till date
- Departmental Library In-charge from July 2017 to till date
- Departmental Coordinator of Training and Placement H.B.T.U Kanpur
- Member of DPC of Library, Workshop and Mechanical Engineering Department
- Member of Committee Constituted for NAAC team
- Assistant Superintendent Examination from 2017 to till date

**FACULTY INTERACTION WITH OUTSIDE WORLD**

Organization	Position / Assignment	Nature of interaction	Year
IIT Kanpur	PI	Under DST Project	2017-19
IIT Kanpur	External Expert	Selection of TA	2015
MNNIT Allahabad	Expert Lecture	AICTE Sponsored FDP	12-23 March 2007 and 2014
DMSRDE Kanpur	Guide	Co-Guide for M.Tech thesis work	2011-2013
Ordnance Factories, Kanpur	Special Lecture	Ordnance factories Institute of Learning	2014 and 2018
Manav Rachana Int.Univ, Faridabad	Expert Lecture	Short term Course	2014
PSIT Kanpur	Expert Lecture	FDP	2014
Azad Technical Campus, Lucknow	Expert Lecture	FDP	2016
M.J.P University, Bareilly	Expert Lecture	FDP	2016
BBD Lucknow	Expert Lecture	FDP	2016
BIET Jhansi	Expert Lecture	FDP	2018

**MEMBERSHIP OF PROFESSIONAL SOCIETIES**

Name of Membership	Organization	Year
Member	The Indian Society For Technical Education (ISTE)	Life Member

Member	Member of Institution of Engineers (INDIA)-M-1598982	Life Member
<b>SPONSORED RESEARCH PROJECTS</b>		
1. Development, Experimental study and Multi-Objective Optimization of Electrical Discharge Drilling (EDD) Process DST, SERB New Delhi <b>(Under Young Scientist)</b>		28 Lac
2. Experimental Study of Drilling Electro-Chemical Spark Machining (ECSM) setup (Under UPCST)		8 Lac
3. Development of Experimental Setup for Machining and Finishing of Biocompatible Materials for Dental Implant (Under DIC,IIT Kanpur)		9.5 Lac
4. Development of Electrical Discharge Diamond Face grinding setup on ZNC Electrical Discharge Machining (Under TEQIP-II)		1.10 Lac
5. Development and Experimental study of electro-chemical discharge machining (ECDM) setup (Under TEQIP-II)		2 Lac
6. Development of MMC setup (Under TEQIP-II)		
7. Development of Portable type Oxy- acetylene gas Welding setup (Under TEQIP-I)		1 Lac
8. Development of Vibration Assisted Hybrid Machining Setup (Under TEQIP-II)		15000.00
9. Processing and Characterization of Carbon-Carbon Composite Materials (Under TEQIP-III)		2.47 Lac
10. Development of portable Electro Discharge Machining Setup for Micro Machining (Under TEQIP-III)		1.80 Lac
		2 Lac
<b>ORGANIZATION OF SEMINARS/CONFERENCES/WORKSHOPS</b>		
<ol style="list-style-type: none"> <li>1. Organized departmental student Annual function ‘Mecharnival- 2009as Convener.</li> <li>2. Organized departmental student Annual function ‘Mecharnival-2010’ as Convener.</li> <li>3. Organized a National Conference on “Emerging Frontiers in Mechanical Engineering” as a Organizing Secretary, Under TEQIP-II, from 15-16 Feb.2014 at HBTI Kanpur</li> <li>4. Organized Annual Sports at HBTI in February 2014 as Convener.</li> <li>5. Organized International Conference on Design, Materials &amp; Manufacturing Concerns in Production of Quality Engineering Goods during March 27-29, 2017</li> </ol>		
<b>PARTICIPATION IN SEMINARS/CONFERENCES/WORKSHOPS</b>		
<ol style="list-style-type: none"> <li>1. Advances in Manufacturing Technology, Feb 13-17, 2006, NITTTR, Chandigarh.</li> <li>2. Micromachining, June 18-23, 2007, IIT, Kanpur.</li> <li>3. Computer Aided Engineering, June 8-10, 2007, HBTI, Kanpur.</li> <li>4. Applications of Mathematics in Engineering &amp; Tech., Sep. 2007, HBTI, Kanpur.</li> <li>5. Composite Materials; Potential &amp; Challenges, Dec 28-29, 2007, HBTI, Kanpur.</li> <li>6. Staff Development Programme on CAD &amp; FEM, July 21-Aug 2, 2008, MNNIT, Allahabad.</li> <li>7. ISTE-AICTE Sponsored short term training programme on Optimization Techniques for Engineers during 23-28 March, 2009.HBTI Kanpur.</li> <li>8. Faculty Development Program on Essentials of Teaching Learning Process, March 18-23, 2013, HBTI, Kanpur.</li> <li>9. National Workshop on Optimization Techniques &amp; Their Applications, June 5-11, 2013, MNNIT, Allahabad.</li> <li>10. One week short term course on Micro Manufacturing: Materials, Processes and Systems, July 08-12, 2013, MNNIT, Allahabad.</li> <li>11. Workshop on Systems Engineering at IIT Kanpur, 16-20 December 2014.</li> <li>12. One week short term school on ‘Micro manufacturing and its application’ March 31 – April 05,</li> </ol>		

2014 at IIT Kanpur.

13. Attended Workshop for Student, Faculty & Non-Teaching staff satisfaction survey on 25/09/2014 at Kolkata, Organized by Project Coordinator, SPFU-WB NPIU New Delhi.
14. Short Term Course on Numerical Optimization Technique (NOT-2014), 31<sup>st</sup> Oct.-4<sup>th</sup> Nov, 2014 at MNNIT Allahabad.
15. Attended Workshop on Supply Chain Management, 4 -8 February, 2015 at IME, IIT Kanpur.
16. Attended Workshop on “MATLAB Programming and its Applications” during 25-26 February, 2015 at HBTI Kanpur.
17. Participated workshop on Virtual Laboratories on 15 March, 2015 at IIT Kanpur.
18. Attended workshop on Micro & Nano Fabrication from 16-20 March 2015 at IIT Kanpur
19. Attended workshop on Statistical Analysis for Engineers- 2015 during May 04-08, 2015 at IIT Kanpur
20. Participated in State Level Faculty Interaction Seminar during 8-9 June, 2015 at HBTI Kanpur
21. Summer Internship and Visiting Researcher Program at IIT Kanpur during 10 May- 24 July 2015.
22. Participated in the MHRD’s National Mission for Teachers and Administrators Management Capacity Enhancement Programme held at IIM Indore during August 24 to August 30, 2015.
23. Attended a Workshop on “NPTEL ONLINE COURSES” on September 24, 2015 organized by Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow and NPTEL, IIT Madras.
24. Participated in workshop on Microstructure Engineering via Heat Treatments from 19<sup>th</sup> October to 21<sup>st</sup> October 2015 at IIT Kanpur organized by Knowledge Incubation for TEQIP IIT K.
25. Participated in National Seminar on Low Cost Housing for urban and rural areas on Nov.26,2015, Organized by Technical education department U.P Government.
26. Attended IEEE CIS winter school on Computational Intelligence at IIT Kanpur from 14 to 16 December, 2015.
27. Participated FDP on Advance Algorithm in Computing from 25 -30 January 2016 at H.B.T.I Kanpur.
28. Attended a National Workshop on outcome based education and NBA Accreditation by SPFU from 01-03 July 2016.
29. Attended a TEQIP-II sponsored workshop on Intellectual Property Right and Patenting from 27-29 August 2016.
30. Attended TEQIP-II sponsored workshop on Occupational health and safety management practices during 3-5 October 2016.
31. Participated in training program on Reverse Engineering & RP during 05-07,2017 under TEQIP-II HBTU Kanpur.
32. Participated TEQIP-II sponsored workshop on Energy Conservation and Energy audit in Academic Institute from March 07 - 09, 2017.
33. Participated TEQIP-II sponsored workshop on Management capacity enhancement programme in compliance with NBA and NAAC accreditation during 29<sup>th</sup> -31<sup>st</sup> March, 2017.
34. Attended two days workshop on Outcome based accreditation for undergraduate engineering programs during March 22-23,2018.
35. Attended a TEQIP sponsored summer training program on active learning at IIT Kanpur from 11/06/2018 to 15/06/2018.
36. Attended a Visiting Faculty Research Program from 1 June to 30 June 2018 at IIT Kanpur.
37. Participated in FDP on Material Synthesis and Advanced Characterization Techniques organized by School of Basic & Applied Sciences HBTU Kanpur from 01 – 04 ,2018.
38. Attended one week AICTE sponsored QIP on Additive Manufacturing from 11 -15 Feb. 2019. at IIT Kanpur.

#### **ORGANIZATION OF SHORT TERM COURSES**

1. Organized a Faculty Development Programme on Advances in Engineering Materials From March 16-21, 2009 as Dy. Coordinator.
2. Organized Faculty Development Programme on Engineering Education: Opportunities, Challenges & Future Directions, From March 7-12, 2014. as Dy. Coordinator Under TEQIP-II.
3. Dy. Co-ordinator of two days training programme at HBTU Kanpur during 17-18 Feb. 2017

4. Organized Two weeks Summer Training Program during 09-21 July 2018.

#### **PARTICIPATION IN SHORT TERM COURSES**

1. Advances in Manufacturing Technology, Feb 13-17, 2006, NITTTR, Chandigarh.
2. Micromachining, June 18-23, 2007, IIT, Kanpur.
3. Computer Aided Engineering, June 8-10, 2007, HBTI, Kanpur.
4. Applications of Mathematics in Engineering & Tech., Sep. 2007, HBTI, Kanpur.
5. Composite Materials; Potential & Challenges, Dec 28-29, 2007, HBTI, Kanpur.
6. Staff Development Programme on CAD & FEM, July 21-Aug 2, 2008, MNNIT, Allahabad.
7. ISTE-AICTE Sponsored short term training programme on Optimization Techniques for Engineers during 23-28 March, 2009. HBTI Kanpur.
8. Faculty Development Program on Essentials of Teaching Learning Process, March 18-23, 2013, HBTI, Kanpur.
9. National Workshop on Optimization Techniques & Their Applications, June 5-11, 2013, MNNIT, Allahabad.
10. One week short term course on Micro Manufacturing: Materials, Processes and Systems, July 08-12, 2013, MNNIT, Allahabad.
11. Workshop on Systems Engineering at IIT Kanpur, 16-20 December 2014.
12. One week short term school on 'Micro manufacturing and its application' March 31 – April 05, 2014 at IIT Kanpur.
13. Attended Workshop for Student, Faculty & Non-Teaching staff satisfaction survey on 25/09/2014 at Kolkata, Organized by Project Coordinator, SPFU-WB NPIU New Delhi.
14. Short Term Course on Numerical Optimization Technique (NOT-2014), 31<sup>st</sup> Oct.-4<sup>th</sup> Nov, 2014 at MNNIT Allahabad.
15. Attended Workshop on Supply Chain Management, 4 -8 February, 2015 at IME, IIT Kanpur.
16. Attended Workshop on "MATLAB Programming and its Applications" during 25-26 February, 2015 at HBTI Kanpur.
17. Participated workshop on Virtual Laboratories on 15 March, 2015 at IIT Kanpur.
18. Attended workshop on Micro & Nano Fabrication from 16-20 March 2015 at IIT Kanpur
19. Attended workshop on Statistical Analysis for Engineers- 2015 during May 04-08, 2015 at IIT Kanpur
20. Participated in State Level Faculty Interaction Seminar during 8-9 June, 2015 at HBTI Kanpur
21. Summer Internship and Visiting Researcher Program at IIT Kanpur during 10 May- 24 July 2015.
22. Participated in the MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Programme held at IIM Indore during August 24 to August 30, 2015.
23. Attended a Workshop on "NPTEL ONLINE COURSES" on September 24, 2015 organized by Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow and NPTEL, IIT Madras.
24. Participated in workshop on Microstructure Engineering via Heat Treatments from 19<sup>th</sup> October to 21<sup>st</sup> October 2015 at IIT Kanpur organized by Knowledge Incubation for TEQIP IIT K.
25. Participated in National Seminar on Low Cost Housing for urban and rural areas on Nov.26,2015, Organized by Technical education department U.P Government.
26. Attended IEEE CIS winter school on Computational Intelligence at IIT Kanpur from 14 to 16 December, 2015.
27. Participated FDP on Advance Algorithm in Computing from 25 -30 January 2016 at H.B.T.I Kanpur.
28. Attended a National Workshop on outcome based education and NBA Accreditation by SPFU from 01-03 July 2016.
29. Attended a TEQIP-II sponsored workshop on Intellectual Property Right and Patenting from 27-29 August 2016.
30. Attended TEQIP-II sponsored workshop on Occupational health and safety management practices during 3-5 October 2016.
31. Participated in training program on Reverse Engineering & RP during 05-07,2017 under TEQIP-II HBTU Kanpur.

32. Participated TEQIP-II sponsored workshop on Energy Conservation and Energy audit in Academic Institute from March 07 - 09, 2017.
33. Participated TEQIP-II sponsored workshop on Management capacity enhancement programme in compliance with NBA and NAAC accreditation during 29<sup>th</sup> -31<sup>st</sup> March, 2017.
34. Attended two days workshop on Outcome based accreditation for undergraduate engineering programs during March 22-23,2018.
35. Attended a TEQIP sponsored summer training program on active learning at IIT Kanpur from 11/06/2018 to 15/06/2018.
36. Attended a Visiting Faculty Research Program from 1 June to 30 June 2018 at IIT Kanpur.
37. Participated in FDP on Material Synthesis and Advanced Characterization Techniques organized by School of Basic & Applied Sciences HBTU Kanpur from 01 – 04 ,2018.
38. Attended one week AICTE sponsored QIP on Additive Manufacturing from 11 -15 Feb. 2019. at IIT Kanpur.

#### RESEARCH GUIDANCE

##### On going Ph.D. Guidance

Name of Ph.D. Scholar	Ph.D. Topic	University	Year of Enrolment
Gaurav Kumar Pandey (Under TEQIP-II)	Modeling and Multi-objective optimization of Vibration Assisted Electrical Discharge Drilling Process	AKTU Lucknow	2015
Sunil Kumar Yadav	Experimental analysis of micro Electro chemical diamond Grinding Process for titanium alloy and Ni alloy	AKTU Lucknow	2016
Arpit Srivastava	Experimental Study and multi objective optimization of Milling Electrochemical Spark machine	HBTU Kanpur	2017
Mayank Shekar (Under TEQIP-III)	Development, Modeling and Optimization of Electro Chemical Diamond Drilling Process.	HBTU Kanpur	2018

##### M.Tech. Guided

Name of M.Tech. Scholar	M.Tech. Dissertation Topic	University	Year of Award
Arvind Saroj (734/08)	Study on Design and Development of High Transparency, Light Weight Radome for Air Craft Application	AKTU Lucknow	2011
Naveen Sargam (Roll No.- 5604540003)	Neural Network Modelling and Experimental Study of Electrical Discharge Machining	AKTU Lucknow	2011
Rajendra Kumar (S.R. No-736/09)	Failure Analysis of In-flight refuelling system of supersonic Aircraft's House	AKTU Lucknow	2013
Vivek Kumar (SR. No-739/09)	Multi Objective Optimization of Electrical Discharge Grinding using Taguchi Method	AKTU Lucknow	2013
Brahm Bahadur Maurya (Roll No.-5504540018)	Comparative study of Copper and Aluminum tube through	AKTU Lucknow	2010

	tube Hydro forming Process		
Vakalat Husain (722/11)	Development of light weight polymer blend flame retardant material for passenger aircraft interior components	AKTU Lucknow	2013
Sishupal Singh (735/11)	Design, analysis and residual life estimation of rotary wing aircraft floatation system	AKTU Lucknow	2013
Kuldeep Kumar (6204540010)	Development and Experimental Study of Powder Mixed EDM for Cemented Carbide Workpiece (Selected under TEQIP-II project)	AKTU Lucknow	2014
Deepak Azad (6204540007)	Modelling and Optimization of Electrical Discharge Machining Process using Neural Network	AKTU Lucknow	2014
Arvind Kumar Yadav (721/13)	Development of Insulated Tool Electrode for Minimum Tool wear in EDM	AKTU Lucknow	2015
Pravendra Kumar (726/13)	Modelling and Optimization of Powder Mixed Electrical Discharge Machining Process for Cemented Carbide Workpiece	AKTU Lucknow	2015
Milind Priya (743/14)	Experimental Study of Electrical Discharge Diamond Grinding (EDDG) process	AKTU Lucknow	2016
Shivam Yadav (745/14)	Experimental Study of Electrical Discharge Drilling (EDD) for MMC work Material	AKTU Lucknow	2016
Pawan Kr.Yadav (712/15)	Development and Experimental Study of Electromagnetic Field Assisted EDM -Internal Completed	AKTU Lucknow	2017
Sunit Kumar (717/15)	Experimental Study of ECM Process for Processing of Ti-alloy- Internal Completed	AKTU Lucknow	2017
AnupmaKatiyar (908/15)	Design, Development of Experimental setup for making of biocompatible materials on ECM	AKTU Lucknow	2018
Vandana Pandey (914/15)	Analysis and calculation of Residual Stress in Hybrid machining Process	AKTU Lucknow	2018
Krishan Kumar Shukla (903/16)	Experimental Study and optimization of Rotary UltrasonicMachining Process	AKTU Lucknow	Pursuing
Prakash Mishra (904/16)	Design and Development of	AKTU Lucknow	Pursuing



	Wire EDM		
Ashutosh Saini (758/16)	Study of EN-31 Hardened Steel and Experimental Analysis of process parameters using MQL	AKTU Lucknow	2018
Santosh Kumar (769/16)	Development and Experimental Study of Rotary Electrochemical Machining Process	AKTU Lucknow	2018
Onkar Gupta (766/16)	Experimental Study and parametric optimization of surface Grinding Process	AKTU Lucknow	2018
Suraj Srivastava (170204014)	Experimental study and process optimization of rotary USM for glass using taguchi method	AKTU Lucknow	Pursuing
Anand Sekhar (170204005)	Optimization of Electrical Discharge Drilling Process of Carbon-Carbon composite using grey relation analysis	AKTU Lucknow	Pursuing

#### CONFERENCE PROCEEDINGS EDITED

Name of Conference	Place	Dates with year	ISBN No.
Proceedings of the National Conference on Emerging Frontiers in Mechanical Engineering	HBTI Kanpur	15-16 February 2014	-----
International Conference on Design, Materials and Manufacturing Concerns in Production of Quality Engineering Goods	HBTU Kanpur	27-29 March 2017	ISBN: 978-93-86256-70-6

#### Research Publications in International Journals

1. S.K.S Yadav and Vinod Yadava, V.L. Narayana, Experimental study and parameter design of electro discharge diamond grinding, International Journal of Advanced Manufacturing Technology, 36, 34-42, (2008). (SCI, Publisher- Springer)
2. S.K.S Yadav and Vinod Yadava, Experimental Investigation of Electrical Discharge Diamond Cut-off Grinding of Ti alloy, Materials and Manufacturing Processes, 28(5), 557-561(2013). (SCI, Publisher- Taylor & Francis )
3. S.K.S Yadav and Vinod Yadava, Experimental Investigations to Study EDDCG Machinability of Cemented Carbide. Materials and Manufacturing Processes. (SCI, Publisher- Taylor & Francis)
4. S.K.S Yadav and Vinod Yadava, Multi Objective Optimization of Electrical Discharge Diamond Cut-off Grinding(EDDCG) using Taguchi Method, International Journal of Manufacturing Technology and Industrial Engineering (IJMTIE),1(2), 193-198 (2010)
5. S.K.S Yadav and Vinod Yadava, Neural Network Modeling and Multi Objective Optimization of Electrical Discharge Diamond Cut-off Grinding (EDDCG), International Journal of Abrasive Technology (IJAT),4,346-362(2011) SCOPUS
6. S.K.S Yadav and Vinod Yadava, Simultaneous Optimization of Multiple Quality Characteristics in Electrical Discharge Diamond Cut-off Grinding (EDDCG), Applied Mechanics and Materials, 110-116, 250-257(2012) SCOPUS
7. S.K.S Yadav and Deepak Azad, ANN Modeling and Optimization of Electrical Discharge Machining Process, ELK Asia Pacific Journals - Special Issue (2015)
8. Kuldeep Kumar , Dr. S.K.S Yadav, Development and Experimental Study of Powder Mixed

EDM for Cemented Carbide Work piece, Intl. J Engg Sci Adv Research 2015 Sep;1(3):144-149 (2015).

9. S.K.S Yadav “Modern approach for processing of advanced materials using EDM based Hybridizations- A Review” Global Journal of Multidisciplinary Studies (2015).
10. Mohit Sharme and S.K.S.Yadav “Design and Development of Economical 3 Axis CNC Milling Router for non contact Machining Operations” i-manager’s Journal on Mechanical Engineering vol.7 no-2 February- April 2017.
11. Pravendra Singh, Anand Shekhar S.K.S.Yadav “Experimental Analysis of Electrical Discharge Drilling (EDD) of Carbon-Carbon Composite” Selected for publication in Materials Today: Proceedings (Elsevier). SCOPUS
12. Gaurav Kumar Pandey and S.K.S. Yadav “Multi-Response Optimization of Vibration Assisted Electrical Discharge Drilling Process using PCA based GRA approach” Selected for publication in Materials Today: Proceedings (Elsevier). SCOPUS
13. Sunil Kumar Yadav and S.K.S. Yadav Multi-Objective Optimization of Electrochemical Cut-off Grinding Process of Ti-6Al-4V using PCA based Grey Relational Analysis Selected for publication in Materials Today: Proceedings (Elsevier). SCOPUS
14. Mayank Shekhar and S.K.S. Yadav Diamond abrasive based cutting tool for processing of advanced materials: a review Selected for publication in Materials Today: Proceedings (Elsevier). SCOPUS
15. Pravendra Kumar and S.K.S. Yadav Development and Experimental Study of Electrical Discharge Drilling (EDD) Process for Small Hole Drilling on Titanium alloy International Journal of Advance Manufacturing Technology (IJAMT) (Under Review)
16. Gaurav Kumar Pandey and S.K.S. Yadav “ Experimental Investigation of Vibration Assisted Electrical Discharge Drilling of Al-TiB<sub>2</sub> Materials and Manufacturing Processes (MMP) (Under Review) SCI.

#### Publications in International Conferences

1. S.K.S.Yadav and Vinod Yadava (2008), Experimental study of electrical discharge diamond grinding of HSS & carbide, International Conference at IIT, MADRAS, Dec. 15-17, 2008.
2. S.K.S.Yadav and Vinod Yadava (2012), Neural Network Modeling of Electrical Discharge Diamond Cut-off Grinding (EDDCG) of Ti-alloy. Proceeding of International Conference on Agile Manufacturing (ICAM 2012) IIT-BHU, December 17-19, pp: 312-314.
3. S.K.S.Yadav and Vinod Yadava (2012), Comparative Study of Electrical Discharge Grinding and Electrical Discharge Diamond Cut-off Grinding of Ti-alloy, Proceedings of 4<sup>th</sup> International All India Manufacturing Technology, Design and Research Conference (AIMTDR-12), at Jadavpur University, Jadavpur, December 14-16, pp:601-604.
4. S.K.S Yadav and Vinod Yadava (2012), Modeling and Experimental Study of Electrical Discharge Diamond Cut-off Grinding (EDDCG) of Cemented Carbide, 37<sup>th</sup> International MATADOR Conference, University of Manchester, Manchester U.K., July 25-27, pp: 75-78.
5. S.K.S Yadav and Vinod Yadava (2011), Simultaneous Optimization of Multiple Quality Characteristics in Electrical Discharge Diamond Cut-off Grinding (EDDCG) 2<sup>nd</sup> International Conference on Mechanical ,Industrial and Manufacturing Technologies (MIMT-10), SINGAPORE, Feb. 25-27, pp.604-608.
6. S.K.S Yadav and Vinod Yadava (2010), Artificial Neural Network Modeling of Electrical Discharge Diamond Cut-off Grinding (EDDCG) Proceeding of the 3rd International Conference on Global Trends and Challenges in Design and Manufacturing, Visakhapatnam, pp.271-275.
7. S.K.S Yadav and Vinod Yadava (2010), Multi Objective Optimization of Electrical Discharge Diamond Cut-off Grinding (EDDCG) using Taguchi Method Proceeding of the 4<sup>th</sup> International Conference on Advances in Manufacturing Engineering, S.V. National Institute of Technology, Surat, September, 23-25, pp. 459-463.
8. S.K.S Yadav and Vinod Yadava (2013), Experimental Investigation on Processing of cemented carbide by EDCG and EDDCG: A Comparative Study, Smart Technologies for Mechanical Engineering, DTU, Delhi, October, 25-26.

9. Parametric Optimization of Electric Discharge Machine Through NN-GA Hybrid Technique Sustainable Manufacturing – Proc. of the International Conference on Sustainable Manufacturing: Issues, Trends and Practices (ICSM – 2011), BITS, Pilani, India, November 10-12, 2011
10. Shishupal Singh, Sanjeev K.S. Yadav, Praveen Verma, Ankur Srivastav, Vakalat Husain (2013), Emerging Trend of Use of UHMWPE Fiber Based Composite as Aircraft Building. ICCCM-2013, UCR Allahabad, August 03-04.
11. S.K.S. Yadav, Deepak Azad (2015) ANN Modeling and Multi Objective Optimization of Electrical Discharge Machining Process. Advancements and recent Innovations in Mechanical, Production and Industrial Engineering, April 10-11, 2015.
12. S.K.S. Yadav, P.Kumar, A.K. Yadav, Recent Research and Development in Laser based Hybrid Machining Processes, Int. Conference on Application of Laser in Manufacturing, Sep. 9-11, 2015, New Delhi, 54-55.
13. S.K.S. Yadav, Modern Approach for processing of Advanced Materials using EDM based Hybridizations- A Review, Int. conference on Multidisciplinary Research for the achievement of excellence in higher education & industry, Goa, India, 313, 2015.
14. Kumar Pravendra, Yadav S.K.S., Recent Research and Development in Ultrasonic based Hybrid Machining Processes. International Conference on Materials and Manufacturing Technology ICMMT – 2015, 3-4th December 2015, VVIT, Bangalore.
15. A.K. Yadav, S.K.S. Yadav” Experimental study of Zinc coated and bare electrode machining of Ni-alloy for EDM- A comparative study” International conference on precision, Meso, Micro and Nano Engineering (COPEN-9) held during 10-12 December 2015, IIT Bombay, Powai, Mumbai.
16. Pravendra Kumar, S.K.S. Yadav “Optimization of powder mixed electrical discharge machining process for cemented carbide workpiece” International conference on precision, Meso, Micro and Nano Engineering (COPEN-9) held during 10-12 December 2015, IIT Bombay, Powai, Mumbai.
17. Pravendra Kumar, S.K.S. Yadav” Current Research Trends and Developments in Electrochemical Assisted Machining Processes” International Conference of Advanced and Agile Manufacturing Systems, December 28-29, KNIT Sultanpur.
18. Pravendra Kumar, Pawan Kumar Yadav, S.K.S. Yadav “Electrical Discharge Machining Based Drilling Processes - A Review” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur pp. 318-323.
19. Arvind Kumar Yadav, S.K.S. Yadav “Experimental study of Nickel coated and bare electrode for machining of Ti- alloy on EDM- A comparative study” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur. pp. 325-331. (Presented)
20. S. K. Yadav, S.K. Katiyar, S.K.S. Yadav “Optimization of Electro-Chemical Machining Process Using Taguchi Technique for Tungsten Carbide P30” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur. pp. 284-291.
21. Sanchit Saxena, Pooja Sharma, Vineet Varshney, Ashirvad Singh, S. K. S. Yadav “Development and Experimental Study of Ultrasonic Machining Process” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur. pp. 263-269.
22. Versha Nigam and S.K.S. Yadav “Magnetic Field Assisted Electrical Discharge Machining Processes: A Review” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur. pp. 375-381.
23. Gaurav Kumar Pandey and S.K.S. Yadav “Vibration assisted Electrical Discharge Drilling Process: A Review” International Conference on Design, Materials & Manufacturing Concerns In Production of Quality Engineering Goods, March 27, 28 & 29, 2017, HBTI Kanpur. pp. 396-403.
24. Anurag Mishra, Navasheen and S.K.S. Yadav “Analysis of Bronze and Copper bonded EDM based Grinding Process: A Comparative study” in International Conference on Precision, Meso,

Micro and Nano Engineering (COPEN 10) Organized by IIT Madras during December 07-09 2017.

25. Milind Priya, S.K.S.Yadav Experimental Investigation on Carbon Fiber Composite during Processing with EDM based HMP in International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10) Organized by IIT Madras during December 07-09 2017.
26. Mohit Sharma, Pravendra Kumar and S.K.S.Yadav in International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10) Organized by IIT Madras during December 07-09 2017.
27. Pawan Kumar Yadav, Pravendra Kumar and S.K.S.Yadav in International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10) Organized by IIT Madras during December 07-09 2017.
28. V.P.Singh, S.K.S.Yadav Review On Dental Implant With Special Reference to Tooth Abutment FLAME 2018 in Amity University.
29. Pravendra Kumar, S.K.S.Yadav, Shubham Srivastava Development and Experimental Study of Ultrasonic assisted EDM AIMTDR 2018 Organized by Anna University during 13-15 December 2018.
30. Arvind Kr. Yadav, S.K.S.Yadav An Experimental Study of ECSD Process AIMTDR 2018 Organized by Anna University during 13-15 December 2018.
31. Ashutosh Saini and S.K.S.Yadav Machining of EN-31 steel and Experimental Analysis of Various Process Parameters using MQL AIMTDR 2018 Organized by Anna University during 13-15 December 2018.

#### **Publications in National Conferences**

1. S.K.S.Yadav and Vinod Yadava (2012), Machining challenges with advanced engineering materials, proceeding of the All India seminar on Advances in Materials and material selection in design at H.B.T.I. Kanpur, August 24-25.
2. R.N.Yadav, Vinod Yadava and S.K.S.Yadav (2012), Production and Processing of Metal Matrix Composites (MMCs): Challenges and Opportunities, Proceeding of the All India seminar on Advances in Materials and material selection in design at H.B.T.I. Kanpur August 24-25.
3. S.K.S.Yadav, Study of EDDG for carbide. Recent Advances in Mechanical Engineering, March 28-29, 2007, CAET, Etawah.
4. Study of Air Pollution Data in GIS Environment: A case study ,Advances in Management of energy efficiency and clean Environment at H.B.T.I. Kanpur,2010
5. Development and experimental study of tube hydro forming process,7-8 April 2011, ETME, IIMT, Noida.
6. Shishupal Singh, Sanjeev K.S.Yadav, Praveer Verma Repair and Life Estimation for Emergency Flotation System of Mi-8 Aircraft Material pp.51-56. Proceeding of the National Conference on Emerging Frontiers In Mechanical Engineering, H.B.T.I. Kanpur, February 15-16, 2014.
7. Kuldeep Kumar, S.K.S.Yadav, Development and Experimental Study of Powder Mixed EDM, pp.103-108. Proceeding of the National Conference on Emerging Frontiers In Mechanical Engineering, H.B.T.I. Kanpur, February 15-16, 2014.
8. Deepak Azad, Sanjeev Kumar Singh Yadav, A Review of Recent Techniques used in Electrical Discharge Machining (EDM) Process. pp-109-112. Proceeding of the National Conference on Emerging Frontiers In Mechanical Engineering, H.B.T.I. Kanpur, and February 15-16, 2014.
9. Siddharth Yadav, Sanjeev K.S. Yadav, ApoorvShrotriya Optimization of Die Design Parameters of Connecting Rod using FEM and Taguchi Methodology pp 171-176. Proceeding of the National Conference on Emerging Frontiers In Mechanical Engineering, H.B.T.I. Kanpur, and February 15-16, 2014.
10. Vevek Kumar, Yadvendra Singh, S.K.S.Yadav Multi Objective Optimization of Electrical Discharge Grinding using Taguchi Methodology. 215-220. Proceeding of the National Conference on Emerging Frontiers In Mechanical Engineering, H.B.T.I. Kanpur, February 15-16, 2014.

11. Arvind Kumar Yadav, S.K.S.Yadav Development of insulated electrode for minimum tool wear in EDM: A review, Proceeding of the National Conference on Paradigms in Mechanical Engineering, Manav Rachna International University, Faridabad, December 20, 2014.
12. Pravendra Kumar, S.K.S.Yadav Modelling and Optimization of Powder Mixed Electrical Discharge Machining Process: A Review, Proceeding of the National Conference on Paradigms in Mechanical Engineering, Manav Rachna International University, Faridabad, December 20, 2014.
13. S.K.S.Yadav and V.Yadava Experimental Modeling of Machining Processes- A Review National conference on Innovations in Materials, Design & Manufacturing held during 27-28 March. 2015.
14. S.K.S.Yadav and V.Yadava Multi Objective Optimization of Machining Processes: A Review National conference on Innovations in Materials, Design & Manufacturing held during 27-28 March. 2015.
15. J.Bhaskar, S.K.S.Yadav Challenges in Material Selection For Turbofan Engines, All India Seminar on Advanced in Engineering and Technology for Sustainable Development at G.B. Pant University, Pantnagar during June 12-13, 2015.
16. S.K.S. Yadav, J Bhaskar, V.Yadava Role of Diamond Abrasive in Grinding Processes –A Review, All India Seminar on Advanced in Engineering and Technology for Sustainable Development at G.B. Pant University, Pantnagar during June 12-13, 2015. (Selected for Best Paper Award)
17. Pravendra Kumar, S.K.S.Yadav Electro-chemical Based Machining Processes- A Review National Conference on Advances in Chemistry for Sustainable Development (ACSD-2017) during March 22-23, 2017, HBTU Kanpur.
18. S.K.Katiyar, S.K.S.Yadav Multi objective optimization of rotary electrochemical Machining Processes, National Seminar on Advances in Materials, Manufacturing and Renewable Energy Systems (AMMRES 2018) BBDNITM Lucknow August 17-18, 2018. (Selected for Best Paper Award)
19. S.K.S.Yadav, Multi-Objective Optimization of Rotary Electrochemical Machining Process. National Seminar on Advances in Materials, Manufacturing and Renewable Energy Systems (AMMRES 2018) BBDNITM Lucknow August 17-18, 2018. (Selected for Best Paper Award)