Updated in July-2018

Biodata of Prof. (Dr.) Vinod Yadava



DIRECTOR

National Institute of Technology Hamirpur, Hamirpur (H.P)

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Professor and Former Head

Department of Mechanical Engineering

Motilal Nehru National Institute of Technology Allahabad

Email: vinody@mnnit.ac.in, profvinody@gmail.com

(*Currently on Deputation from MNNIT Allahabad*)

1. Areas of Interest:

Mechanical Engineering (*Manufacturing Engineering*)

- **Research Interest:** Development and Performance Study/Modelling and Optimization Study of Hybrid/Advanced Multi-Scale Machining Processes

- **Teaching Interest:** *UG Subjects:* Manufacturing Science and Technology, Advanced Manufacturing Processes, Tool Engineering, Quality Engineering**;** *PG Subjects:* Machining Science and Technology, Finite Elements in Engineering, Metal Forming Processes and Analysis, Computer Integrated Manufacturing Systems

2. Educational Qualifications:

- **PhD (**Mechanical Engineering), Indian Institute of Technology Kanpur, Kanpur (UP)
- **M. Tech.** (Mechanical Engineering), REC Kurukshetra (Now NIT Kurukshetra), Kurukshetra (HR)
- **B.E** (Mechanical Engineering), MMM Engineering College Gorakhpur (Now MMM University of Technology Gorakhpur), Gorakhpur (UP)
- **High School (**PCMB**) and Intermediate (**PCM**) :** Government Inter College Deoria, Deoria (UP)

3. Employment Details:

Position Held	Period		Total Experience	Department and Organization
	From	To		
Director	March-2018	Till Date		National Institute of Technology Hamirpur (HP)
Professor	December 2007	Till Date	More than 10 Years	Mechanical Engineering MNNIT Allahabad (UP)
Associate Professor	January 2006	December 2007	01 Year and 11 Months	Mechanical Engineering MNNIT Allahabad (UP)
Assistant Professor	November 2001	December 2005	04 Years and 01 Month	Mechanical Engineering MNNIT Allahabad (UP)
Senior Lecturer	November 1996	November 2001	05 Years	Mechanical Engineering MNNIT Allahabad (UP)
Lecturer	November 1992	November 1996	04 Years	Mechanical Engineering MNNIT Allahabad (UP)
Lecturer	September 1991	September 1992	01 Year	Mechanical Engineering CR State College of Eng. Murthal (Haryana)

4. Administrative Experiences:

Assigned Post	Duration & Years		
	From	To	Years
Director National Institute of Technology Hamirpur, Hamirpur (H.P)	March-2018	Till Date	
Mentor Director Indian Institute of Information Technology (PPP) Una (H.P)	March-2018	July 2018	03 Months
Head Mechanical Engineering Department, MNNIT Allahabad	June-2017	March-18	09 Months
Dean (Planning and Development) MNNIT Allahabad	Aug-2015	June-2017	1 Y & 11 M
Dean (Student Welfare) MNNIT Allahabad	April-2016	July-2016	04 Months
Dean (Research and Consultancy) MNNIT Allahabad	Dec-2012	Dec-2014	02 Years
Dean (Academic Affairs) MNNIT Allahabad	27.7.2013	31.8.2013	01 Month
Dean (Student Welfare) MNNIT Allahabad	Oct-2010	Oct-2012	02 Years
Coordinator, TEQIP-II MNNIT Allahabad	July-2016	July-2017	1 Year
Officer-in-Charge, Industrial Estate MNNIT Allahabad	Jan-2015	Jan-2017	2 Years
Chairman (School of Non Formal and Continuing Education) MNNIT Allahabad	Jan-2015	Jan-2017	2 Years
Chairman (Senate Doctoral Programme Committee) MNNIT Allahabad	June-2013	June-2015	2 Years
Chairman (Senate Post Graduate Committee) MNNIT Allahabad	Sept-2012	Sept-2013	1 Year
Chief Proctor, MNNIT Allahabad	Oct-2010	Oct-2011	1 Year
Chief Warden, MNNIT Allahabad	May-2008	Oct-2011	3.5 Years
Warden of Hostels, MNNIT Allahabad	Between 1993 to 2007		12 Years

5. Research Experiences:

Research Projects:

- Government Sponsored Projects: 05-Completed
- Institute Sponsored Projects: 10-Completed **(Listed as Annexure#1)**

Research Supervision: *23-Ph.D. & 50-M.Tech.*

- *Supervision of Ph.D. Theses:* Awarded (16) + Continuing (07) **(Listed as Annexure#2)**
- *Supervision of M. Tech Theses:* Awarded (50) + Continuing (01)

Research Publications: Total-**271**

Journals: 144 International Journals: **138** National Journals: **06**
70-SCI/SCIE Journals & 35-Scopus Journals & 33-Other Journals
(Listed as Annexure#3)

Conferences: 127 International Conferences: **83** National Conferences: **44**

Publication Metrics:

Citations-More than 2950; h-**index**-26; **i10 index**-50
https://scholar.google.co.in/citations?user=W4lc9bUAAAAJ&hl=en

6. Book Chapters Written: (06)

1. Written a book chapter on **Electrochemical Magnetic Abrasive Finishing** in NANO FINISHING SCIENCE AND TECHNOLOGY: BASIC AND ADVANCED FINISHING AND POLISHING PROCESSES by CRC Press, Taylor & Francis Group, Boca Raton London New York-**2017,** page 353-380, Print ISBN: 978-1-4987-4594-9, eBook ISBN: 978-1-315-40409-7
2. Written a book chapter on **Electro-Discharge Diamond Grinding** in NANO FINISHING SCIENCE AND TECHNOLOGY: BASIC AND ADVANCED FINISHING AND POLISHING PROCESSES by CRC Press, Taylor & Francis Group, Boca Raton London New York-**2017** Pages 381–406, Print ISBN: 978-1-4987-4594-9, eBook ISBN: 978-1-315-40409-7.
3. Written a book chapter on **FEM based thermal modelling of Micro Electrical Discharge Machining Process for the Prediction of Performance Characteristics** in ADVANCEMENT AND CURRENT TRENDS IN INDUSTRIAL, MECHANICAL AND PRODUCTION ENGINEERING by Excellent Publishing House, Kisan Gargh, Basant Kunj, New Delhi-**2014**; ISBN: 978-93-84935-05-4
4. Written a book chapter on **Electro-Chemical Spark Micro-Machining** in INTRODUCTION TO MICROMACHINING by Alpha Science International Ltd-**2010**, page: 14.1-14.18, ISBN:978-81-7319-915-8
5. Written a book chapter on **Micro Electro-Discharge Machining** in PRECISION ENGINEERING, published by Allied Publisher Pvt. Ltd., New Delhi-**2002**; ISBN: 81-7764-328-2.
6. Written a book chapter on **Availability Analysis of Coal Handling System in Thermal Power Plants** in RELIABILITY, AVAILABILITY AND MAINTAINABILITY ENGINEERING IN MANUFACTURING Vol. II by Allied Publ Pvt. Ltd., New Delhi-**1997**; ISBN: 81-7023-729-7

7. Courses and Seminars Organized:

Short Term Courses Organized (04)

1. Organised one week TEQIP-II sponsored short term course on *Laser and Its Applications*-LAP-2017 during March 27-31, 2017 in Centre for Interdisciplinary Research (CIR), at Motilal Nehru National Institute of Technology Allahabad.
2. Organised one week self-financed short term course on *Micromanufacturing: Materials, Processes and Systems* during June 17-21, 2014 in Mechanical Engineering Department at Motilal Nehru National Institute of Technology Allahabad.
3. Organised one week self-financed short term course on *Micromanufacturing: Materials, Processes and Systems* during July 08-12, 2013 in Mechanical Engineering Department at Motilal Nehru National Institute of Technology Allahabad
4. Organised two weeks AICTE Sponsored Staff Development Programme on *Advanced Manufacturing Processes* during March 12-23, 2007 in Mechanical Engineering Department at Motilal Nehru National Institute of Technology Allahabad

Seminars Organized (03)

1. Worked as *Joint Organizing Secretary***,** National Seminar on Emerging Trends in Design Engineering at Motilal Nehru Regional Engineering College Allahabad in 1997
2. Worked as *Joint Organizing Secretary***,** National Seminar on Corporate Strategies in the Changing Business Scenario at Motilal Nehru Regional Engineering College. Allahabad in 1997
3. Worked as *Joint Organising Secretary*, All India Seminar on Advances in Industrial Engineering and Productivity Improvement Techniques at Motilal Nehru Regional Engineering College Allahabad in 1995

8. Recognitions and Outreach:

Professional Memberships

- Member-**BOG**: HPTU Hamirpur (H.P)
- Member-**BOG**: MMMEC Gorakhpur **&** BIET Jhansi
- Member-**Academic Council**: MMMEC Gorakhpur **&** KNIT Sultanpur
- Member-**BOS**, Mechanical Engineering Department, MMMUT Gorakhpur **&** KNIT Sultanpur
- Member-**NBA** New Delhi **(**many times**)**
- Membe**r-Selection Committee** at NITs, Technical Universities, UPSC and UPPSC
- Member-**RDC** UPTU Lucknow **(**many times), GTU Ahmedabad (many times)
- Examiner-**PhD** at IITs, NITs and Technical Universities (many times)
- Member-***Indian Delegation*** to Indo-Japan Seminar on Micro/Nano Manufacturing Science held during March 21-25, 2011 at IIT Delhi
- Member-***National Advisory Committee***: AIMTDR Conference: *2010 at AU Vishakhapatnam,2012 at JU Kolkata, 2014 at IIT Guwahati, 2016 at COE Pune and 2018 AU Chennai;* International Conference on Advances in Mechanical and Building Sciences (ICAMB): 2009 at VIT University Vellore

***Journal Editorial Board Membership*: *Current:*(1)** Journal of Advanced Manufacturing Systems **(2)** Material Science Research India-An International peer reviewed research Journal **(3)** International Journal of Mechanical Engineering and Robotics Research**(4)** Indo-American Journal of Mechanical Engineering **(5)** International Journal of Mechanical Engineering**; *Past:*(6)** International Journal of Manufacturing Technology and Industrial Engineering **(7)** Intelligent Control and Automation Journal

International Journal Reviewership*:** Famous reviewer of many International Journals & Conferences**.** INTERNATIONAL JOURNALS ***(23): (1) International Journal of Advanced Manufacturing Technology (2) International Journal of Machine Tools Manufacture (3) Machining Science and Technology-An International Journal (4) International Journal of Mechanical Science (5) International Journal of Manufacturing Technology and Management (6) Journal of Materials Processing Technology (7) International Journal of Abrasive Technology(8) International Journal of Thermal Sciences(9) International Journal of Design Engineering(10) International Journal of Precision Engineering and Manufacturing (11) Journal of Zhejiang University Science (12) Optics and Laser Technology (13) Optics and Laser in Engineering (14) Chinese Optics Letters (15) Surface and Coating Technology (16) Journal of Mechanical Engineering (17) Journal of Manufacturing Processes (18) Multidiscipline Modeling in Materials and Structures (19) Frontiers of Mechanical Engineering (20) International Journal of Mechanical and Materials Engineering (21) International Journal of Engineering Science and Technology (22) Advances in Mechanical Engineering (23) Applied Surface Science

Keynote and Invited Speakership: Expert speaker in the field of Manufacturing Science and Technology for delivering Keynote speeches and Invited speeches**.** He has already delivered many expert speeches at IITs, NITs and Technical Universities.

9. Achievements and Prizes Obtained:

- **Academic achievement** for Selection in the Biographies of the Marquis Who's Who in the World in the 27th Edition 2010 and
- **Research achievement** for placement of a review paper in Top 25 Hottest Articles and most downloaded articles of International Journal of Machine Tools and Manufacture (IJMTM) continuously from 2013 to till date. The paper title is: **Laser Beam Machining-A Review** published in IJMTM, Vol. 48, pp. 609-628 (2008). It has been Placed 2nd in 2013, 3rd in 2012, 4th in 2011 and 3rd in 2010; and presently has got Citations more than 360 as per Google Citation Index
- **Research prize** of Production Engineering Division of The Institution of Engineers (India) for the research paper on "Multi-Objective Optimization of Hole Drilling Electrical Discharge Micromachining Process using Grey Relational Analysis Coupled with Principal Component Analysis" published in Journal of the Institution of Engineers (India): Series C, Vol. 94 (4), pp 317-325 **(2013)**
- GATE Fellowship 1989-1991 and QIP Fellowship 1998-2001

10. International and National Exposures:

- **SINGAPORE** during February 26-28, **2011** to present paper in International Conference Manufacturing, Industrial and Mechanical Technology (MIMT-2011);
- **UK (Manchester)** during July 14-16, **2010** to present paper in 36th MATADOR-10 International Conference (MATADOR-10);
- **AUSTRALIA (Sydney)** during January 15-19, **2007** for technical training on "Pneumatic Automation and Systems" at SMC Pneumatics Pty. Ltd., Australia,
- **USA (Chicago)** from November 5-10, **2006** to present paper in 2006 ASME International Mechanical Engineering Congress and Exposition (IMECE-2006)
- **Visited IITs, NITs, and other Technological Universities** for delivering Key-note and Invited Speeches and for attending Conferences

Annexure-1

Details of Research Projects

***Government Sponsored Projects*: 05-Completed**

1. Principal Coordinator, TEQIP-I Sponsored Project for development of Advanced Machining Lab equipped with Laser Machine and EDM Machine. Duration 2003-2005 (25 lacs) **(Completed)**
2. Principal Investigator, DST sponsored project on "Experimental and Numerical Study of Nd: YAG Laser Beam Cutting of Thin Sheet". Duration 2007-2010 (25.7 lacs) **(Completed)**
3. Principal Investigator, CSIR sponsored project on "Experimental and Numerical Study of Traveling Wire-Electro-Chemical Spark Machining of Advanced Engineering Material". Duration 2010-2013 (10 lacs) **(Completed)**
4. Principal Investigator, ARDB sponsored project on "Electro-Discharge Diamond Grinding-Development and Optimization". Duration 2011-2014 (25 lacs)(**Completed)**
5. Principal Investigator, CSIR sponsored project on "Cylindrical Electrolytic Magnetic Abrasive Machining (C-EMAM): Development, Modeling and Optimization". Duration Jan-2014-2017(18 lacs)(**Completed)**

Institute Sponsored Projects* (TEQIP-II Funding)*: *10-Completed*

1. Associated with In-house Development of Hybrid Machining Technology of **Electrical Discharge Diamond Face Surface Grinding (EDDFSG)**
2. Associated with In-house Development of Hybrid Machining Technology of **Electrical Discharge Diamond Face Cylindrical Grinding (EDDFCG)**
3. Associated with In-house Development of Hybrid Machining Technology of **Electrical Discharge Diamond Peripheral Surface Grinding (EDDPSG)**
4. Associated with In-house Development of Hybrid Machining Technology of **Electrical Discharge Diamond Peripheral Cylindrical Grinding (EDDPCG)**
5. Associated with In-house Development of Hybrid Machining Technology of **External Cylindrical-Electrolytic Magnetic Abrasive Machining**
6. Associated with In-house Development of Hybrid Machining Technology of **Plane-Electrolytic Magnetic Abrasive Machining**
7. Associated with In-house Development of Hybrid Machining Technology of **Drilling-Electro-Chemical Spark Machining**
8. Associated with In-house Development of Hybrid Machining Technology of **Travelling Wire-Electro-Chemical Spark Machining**
9. Associated with In-house Development of Hybrid Machining Technology of **Milling-Electro-Chemical Spark Machining**
10. Associated with In-house Development of Hybrid Machining Technology of **Grinding-Electro-Chemical Spark Machining**

Annexure-2

Details of Research Supervision

Supervision of Ph.D. Theses: ***Awarded (16) + Continuing (07)***

S. No.	Name of Research Scholar	Topic of PhD Thesis	Status
1	Avanish Kumar Dubey	Experimental Modelling and Multi-Objective Optimization of Laser Beam Cutting of Thin Sheets	Awarded (April-2008)
2	Mohan Charan Panda	Thermal Finite Element based Intelligent Modeling and Optimization of Electro-Chemical Spark Machining Process	Awarded (Dec-2010)
3	Gyanendra Kumar Singh	Electro-Discharge Diamond Face Grinding: Development, Modeling and Optimization	Awarded (Oct-2011)
4	Amit Sharma	Modelling and Optimization Studies of Nd: YAG Laser Beam Straight and Profile Cutting of Difficult to Cut Thin Sheet Materials	Awarded (Oct-2012)
5	Audhesh Narayan	Thermal Finite Element Analysis and Optimization of Deep Surface Grinding Processes	Awarded (Nov-2012)
6	Sanjay Mishra	Finite Element based Simulation and Optimization of Nd: YAG Laser Beam Percussion Drilling of Thin Sheet Metals	Awarded (May-2013)
7	Sanjeev Kumar Singh Yadav	Modelling and Multi-Objective Optimization of Electrical Discharge Diamond Cut-off Grinding Process,	Awarded (July-2013)
8	Shyam Sunder Agarwal	Some Investigations on Surface-Electrical Discharge Diamond Grinding of Metal Matrix Composites	Awarded (Aug-2013)
9	K.B. Judal	Some Investigations into Cylindrical Electrochemical Magnetic Abrasive Machining Process	Awarded (Sept-2013)
10	Ravindra Nath Yadav	Some Investigations on Slotted-Electrical Discharge Diamond Grinding	Awarded (Feb-2014)
11	Rajesh Kumar Porwal	Modelling and Optimization of Micro Electrical Discharge Machining of Super Alloys	Awarded (May-2014)

12	Basant Kumar Bhuyan	Travelling Wire Electro-Chemical Spark Machining-Development, Modelling and Optimization	Awarded (June-2014)
13	Umacharan Singh Yadava	Development and Performance Study of Electrical Discharge Diamond Drilling Process for Aerospace Materials	Awarded (Jan-2016)
14	Ajay Suryavanshi	Integrated FEM-ANN based Modeling and Optimization of Micro-Electric Discharge Machining	Awarded (Sept-2016)
15	Ram Singar Yadav	Investigations on Hybrid Surface Electrical Discharge Diamond Grinding of Hybrid Metal Matrix Composites	Awarded (Nov-2017)
16	Param Singh	Development and Performance Study of Ultrasonic Assisted Micro-Electrical Discharge Machining Process for Aerospace Super alloys	Awarded (May-2018)
17	*Pallvita Yadav*	*Experimental Investigations on Traveling Wire Electro-Chemical Spark Cutting of Polimer Nano Composites*	*Continuing July-2013*
18	*Vevek Kumar*	*In the area of Performance Studies of Face Grinding Variants of Electro-Chemical Spark Machining Process*	*Continuing July-2013*
19	*Amit Singh*	*In the area of Performance Studies of External Cylindrical-Electrolytic Magnetic Abrasive Machining Process*	*Continuing Jan-2014*
20	*Anjani Singh*	*In the area of Development and Performance Study of Slotted-Electrical Discharge Diamond Surface Grinding Process*	*Continuing July-2014*
21	*Mohit Singh*	*In the area of Laser Beam Percussion Drilling Process: Experimental Modelling and Multi-Objective Optimization*	*Continuing July-2014*
22	*Praveen Kumar Rai*	*In the area of Horn Design for Ultrasonic Machining Machine*	*Continuing July-2015*
23	*Nandani Singh*	*In the area of Performance Studies of Surface Grinding Variants of Electro-Chemical Spark Machining Process*	*Continuing July-2016*

Supervision of M. Tech Theses: 50 Out of which **17** theses have been published in peer reviewed reputed International Journals and **11 theses** have been published in International Conferences

Annexure-3
Details of Research Publications

(A) PEER REVIEWED INTERNATIONAL JOURNAL PUBLICATIONS (138)

(70-SCI/SCIE Journals **& 35**-SCOPUS Journals **& 33**-Other Journals**)**

Up to 2006 (08)

1. **Yadava, V.**; Jain, V.K.; Dixit, P.M. Temperature Distribution during Electro-Discharge Abrasive Grinding, Machining Science and Technology-An International Journal, Vol. 6, No. 1, pp. 97-127**(2002) (SCIE Journal)**
2. **Yadava, V.;** Jain, V.K.; Dixit, P.M., Thermal Stresses Due to Electric Discharge Machining, International Journal of Machine Tools Manufacture, Vol. 42, No. 8, pp. 877-888 **(2002) (SCI Journal)**
3. **Yadava V.,** Jain V.K., and Dixit, P.M., Theoretical Analysis of Thermal Stresses in Electro-Discharge Diamond Grinding, Machining Science and Technology-An International Journal, Vol. 8, No. 1, pp. 119-140 **(2004) (SCI Journal)**
4. **Yadava, V**.; Jain, V.K.; Dixit, P.M., Parametric Study of Temperature Distribution in Electro-Discharge Diamond Grinding, Materials and Manufacturing Processes, Vol. 19, No. 6, pp. 1-13 **(2004) (SCIE Journal)**
5. Kiran L. Bhondwe, **Vinod Yadava,** and G. Kathiresan, Finite element prediction of material removal rate due to electro-chemical spark machining, International Journal of Machine Tools Manufacture, Vol. 46,No. 14, pp. 1699-1706 **(2006) (SCI Journal)**
6. **Yadava V.,** Jain V.K., and Dixit, P.M., Temperature Distribution in the Workpiece due to Electro-Discharge Diamond Surface Grinding using FEM, International Journal of Manufacturing Technology and Management, Vol. 7, No. 2/3/4, pp. 246-267 **(2005) (SCOPUS Journal)**
7. Rahul S. Mullik and **Vinod Yadava,** Thermal Stresses during Electro-Chemical Spark Machining using FEM, International Journal of Manufacturing Technology and Management , Vol. 7, No. (2/3/4),pp. 287-307**(2005) (SCOPUS Journal)**
8. **Yadava, V**.; Jain, V.K.; Dixit, P.M. Temperature Determination in the Workpiece during Diamond Surface Grinding: FEM Approach, International Journal of Manufacturing Technology, Vol. 1, No. 1,pp. 29-34 **(2005)**

2007 (04)

9. Patil Rahul B., and **Vinod Yadava,** Finite Element Analysis of Temperature Distribution in Single Metallic Powder Layer during Metal Laser Sintering , International Journal of Machine Tools Manufacture, Vol. 47, No. (7-8), pp. 1069-1080 **(2007) (SCI Journal)**
10. Amit M. Wani, **Vinod Yadava** and Atul Khatri, Simulation for the Prediction of Surface Roughness in Magnetic Abrasive Flow Finishing (MAFF), Journal of Materials Processing Technology, Vol. 190, No. (1-3), pp. 282-290 **(2007) (SCIE Journal)**
11. Avanish Kumar Dubey and **Vinod Yadava**, Simultaneous Optimization of Multiple Quality Characteristics in Laser Beam Cutting using Taguchi Method, International Journal of Precision Engineering and Manufacturing, Vol. 8, No.4,pp. 10-15 **(2007) (SCIE Journal)**
12. Patil Sandeep Sakharam and **Vinod Yadava,** Finite Element Prediction of Tool Shapes in Electro-Chemical Machining, International Journal of Design Engineering, Vol. 1, No. 1,pp. 21-40 **(2007)**

2008 (11)

13. Sanjeev Kumar Singh Yadav, **Vinod Yadava** and Lakshmi Narayana.V., Experimental Study and Parameter Design of Electro-Discharge Diamond Grinding, International Journal of Advanced Manufacturing Technology, Vol. 36, No. (1-2), pp. 34-42 **(2008) (SCIE Journal)**
14. **Vinod Yadava** and Aniruddha Deoghare, Design of Horn for Rotary Ultrasonic Machining using Finite Element Method, International Journal of Advanced Manufacturing Technology, Vol. 39, No. (1-2),pp. 9-20 **(2008) (SCIE Journal)**
15. Avanish Kumar Dubey and **Vinod Yadava,** Multi-Objective Optimization of Nd: YAG Laser Cutting of Nickel Based Super alloy Sheet using Orthogonal Array with Principal Component Analysis, Optics and Lasers in Engineering, Vol. 46,pp. 124-132 **(2008) (SCI Journal)**
16. Avanish Kumar Dubey and **Vinod Yadava,** Experimental Study of Nd: YAG Laser Beam Machining – An Overview, Journal of Materials Processing Technology, Vol. 195,pp. 15-26 **(2008) (SCI Journal)**
17. Avanish Kumar Dubey and **Vinod Yadava,** Laser Beam Machining-A Review, International Journal of Machine Tools and Manufacture, Vol. 48, pp. 609-628 **(2008) (SCI Journal)**
18. Avanish Kumar Dubey and **Vinod Yadava,** Optimization of Kerf Quality during Pulsed Laser Beam Cutting of Aluminium Alloy Sheet, Journal of Materials Processing Technology, Vol. 204, pp. 412–418 **(2008) (SCI Journal)**

19. Avanish Kumar Dubey and **Vinod Yadava**, Robust parameter design and Multi-Objective Optimization of Laser Beam Cutting for Aluminium alloy, International Journal of Advanced Manufacturing Technology, Vol. 38, No. (3-4),pp. 268-277 **(2008) (SCIE Journal)**
20. Avanish Kumar Dubey and **Vinod Yadava,** Multi-Objective Optimization of Laser Beam Cutting Process, Optics and Laser Technology **,** Vol. 40, pp. 562-570 **(2008) (SCI Journal)**
21. Patil Makarand Ramu and **Vinod Yadava,** Determination of Thermal Stress Distribution in Metallic Layer during Selective Laser Sintering using Finite Element Method, International Journal of Manufacturing Technology and Management, Vol. 13, No. (2/3/4),pp. 280-296 **(2008) (SCOPUS Journal)**
22. Atul Khatri and **Vinod Yadava**, Modeling and Simulation for the Prediction of Surface Roughness due to Plane Magnetic Abrasive Finishing, International Journal of Industrial and Systems Engineering, Vol. 3, No. 2, pp. 189-210 **(2008) (SCOPUS Journal)**
23. Rajeev Kumar and **Vinod Yadava,** Finite Element Thermal Analysis of Micro Electro-Discharge Machining, International Journal of Nanoparticles, Vol. 1, No. 3,pp. 224-240 **(2008) (SCOPUS Journal)**

2009 (04)

24. Gurvinder Kumar and **Vinod Yadava,** Temperature Distribution in The Workpiece Due To Plane Magnetic Abrasive Finishing Using FEM, International Journal of Advanced Manufacturing Technology,1051 - 1058 **(2009) (SCIE Journal)**
25. Raghavendra Rao and **Vinod Yadava,** Multi Objective Optimization of Nd-YAG Laser Cutting of Thin Super Alloy Sheet using Grey Relational Analysis with Entropy Measurement, Optics and Laser Technology, Vol. 41, No. 8,pp. 922-930 **(2009) (SCI Journal)**
26. Mohan Charan Panda and **Vinod Yadava,** Finite Element Prediction of Material Removal Rate due to Traveling Wire Electrochemical Spark Machining, International Journal of Advanced Manufacturing Technology, Vol. 45,pp. 506-520 **(2009) (SCIE Journal)**
27. Ankush R. Kapare and **Vinod Yadava** an**d** Mohan Charan Panda**,** Finite element analysis of micro-weld bead due to electro-chemical discharge micro-welding, International Journal of Nanomanufacturing, Vol. 3, No. 3, pp. 240-263**(2009) (SCOPUS Journal)**

2010 (07)

28. B. Chandrasekhar Abothula, **Vinod Yadava** and Gyanendra Kumar Singh, Development And Experimental Study Of Electro-Discharge Face Grinding, Materials and Manufacturing Processes, Vol. 25, No. 6, pp. 482 – 487 **(2010) (SCIE Journal)**
29. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Multi response optimization of electro-discharge diamond face grinding process using robust design of experiments, Materials and Manufacturing Processes, Vol. 25, pp. 851-856 **(2010) (SCI Journal)**
30. Amit Sharma, **Vinod Yadava** and Raghavendra Rao, Optimization of Kerf Characteristics due to Pulsed Nd-YAG Laser Cutting of Thin Ni-based Super alloy Sheet for straight and curved profiles, Optics and Lasers in Engineering, Vol. 48, No. 9, pp. 915-925 **(2010) (SCIE Journal)**
31. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Diamond Face Grinding of WC-Co Composite with Spark Assistance: Experimental Study and Parameter Optimization, International Journal of Precision Engineering and Manufacturing, Vol. 11, No. 4, pp. 509-518**(2010) (SCIE Journal)**
32. Vinod Yadava, Audhesh Narayan, Rajan Prakash and Mohan Charan Panda**,** Thermal Finite Element Analysis of High Efficiency Deep Surface Grinding Process, International Journal of Abrasive Technology, Vol. 3, No. 4,pp. 275-298 **(2010) (SCOPUS Journal)**
33. Mohan Charan Panda and **Vinod Yadava**, Thermal Modeling of Material Removal Rate and Average Surface Roughness due to Die Sinking Electro-Chemical Spark Machining, Journal of Machining and Forming Technology, Vol. 2,Issue 1/ 2, pp. 1-24 **(2010)**
34. Sanjeev Kumar Singh Yadav and **Vinod Yadava,** Multi-Objective Optimization of Electro-Discharge Diamond Cut-Off Grinding using Taguchi Method, International Journal of Manufacturing Technology and Industrial Engineering, Vol.1,No. 2,pp. 193-198, **(2010)**

2011(05)

35. Amit Sharma and **Vinod Yadava**, Optimization of Cut Quality Characteristics during Nd: YAG Laser Straight Cutting of Ni-Based Superalloy Thin Sheet Using Grey Relational Analysis with Entropy Measurement, Materials and Manufacturing Processes, Vol. 26,pp. 1522-1529 **(2011) (SCIE Journal)**
36. Sanjeev Kumar Singh Yadav and **Vinod Yadava**, Neural network modeling and Multi-Objective Optimization of Electro-Discharge Diamond Cut-Off Grinding(EDDCG), International Journal of Abrasive Technology, Vol. 4, No. 4,pp. 346-362 **(2011) (SCOPUS Journal)**

37. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Experimental study and parameter optimization of electro-discharge diamond face grinding, International Journal of Abrasive Technology, Vol. 4, No. 1, pp. 14-40 **(2011) (SCOPUS Journal)**
38. Amit Sharma and **Vinod Yadava**, Optimization of Cut Qualities during Pulsed Nd: YAG Laser Cutting of SUPERNI 718 Thin Sheets for Straight Cutting, International Journal of Manufacturing Technology and Management**,** Vol. 24, No. (1-4), pp. 108-123 **(2011) (SCOPUS Journal)**
39. Amit Sharma and **Vinod Yadava**, Optimization of Kerf Quality using Robust Design of Experiments during Nd: YAG Laser Cutting of Thin Aluminum Alloy Sheet for Straight Profile, International Journal of Mechanical Engineering, Vol. 1, No. 1,pp. 1-8 **(2011)**

2012 (20)

40. Mohan Charan Panda and **Vinod Yadava**, Intelligent Modeling and Multi-Objective Optimization of Die Sinking Electro-Chemical Spark Machining Process, Materials and Manufacturing Processes, Vol. 27, No. 1, pp. 10-25 **(2012) (SCIE Journal)**
41. Amit Sharma and **Vinod Yadava**, Modeling and Optimization of Cut Quality during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Straight Profile, Optics and Laser Technology, Vol. 44, No. 1, pp. 159-168 **(2012) (SCI Journal)**
42. Audhesh Narayan and **Vinod Yadava,** Investigation of Temperature Distribution in the Workpiece during Creep-Feed Surface Grinding using FEM, Materials and Manufacturing Processes, Vol. 27, Issue-10, pp. 1101-1109 **(2012) (SCIE Journal)**
43. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Robust parameter design and multi-objective optimization of electro-discharge diamond face grinding of HSS, International Journal of Machining and Machinability of Materials**,** Vol. 11, No. 1,pp. 1-19 **(2012) (SCOPUS Journal)**
44. Audhesh Narayan and **Vinod Yadava,** Thermal Stress Distribution in the Workpiece during Creep-Feed Surface Grinding, International Journal of Abrasive Technology, Vol. 5, No. 2,pp. 128-151 **(2012) (SCOPUS Journal)**
45. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Modeling and optimization of electro-discharge diamond face grinding of cemented carbide-cobalt composite, Int. Journal of Industrial and Systems Engineering, Vol.12, No.2, pp. 141-164 **(2012) (SCOPUS Journal)**
46. Rajesh Kumar Porwal and **Vinod Yadava**, ANN Modeling for the prediction of material removal rate and machined hole overcut in hole drilling electro-discharge micro machining, International Journal of Mechanical Engineering and Robotics Research, Vol. 1, No. 2, pp. 174-189 **(2012) (SCOPUS Journal)**
47. Rajesh Kumar Porwal, **Vinod Yadava** and J Ramkumar, Artificial Neural Network Modeling and Multi Objective Optimization of Hole Drilling Electro-Discharge Micro Machining of Invar, International Journal of Mechatronics and Manufacturing Systems**,** Vol. 5, No. 5/6, pp. 470-494 **(2012) (SCOPUS Journal)**
48. Amit Sharma and **Vinod Yadava**, Modelling and Optimization of Pulsed Nd: YAG Laser Cutting for Average Kerf Taper and Surface Roughness during Straight Cutting of Ni-based Super alloy Thin Sheet, International Journal of Machining and Machinability of Materials, Vol. 11, No. 3,pp. 223-243 **(2012) (SCOPUS Journal)**
49. Shyam Sunder and **Vinod Yadava,** Development, Experimental Investigation and Modeling of Surface-Electrical Discharge Diamond Grinding of Al-SiC Metal Matrix Composite, International Journal of Abrasive Technology**,** Vol 5, No. 3, pp. 223-244 **(2012) (SCOPUS Journal)**
50. K.B. Judal and **Vinod Yadava**, Experimental Investigations into Cylindrical Electro-Chemical Magnetic Abrasive Machining of AISI-420 Magnetic Stainless Steel, International Journal of Abrasive Technology, Vol. 5, No. 4, pp. 315-331 **(2012) (SCOPUS Journal)**
51. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Study of the parameters in electro-discharge diamond face grinding through response surface methodology approach, Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol. 110-116, pp 847-855 **(2012)**
52. Audhesh Narayan and **Vinod Yadava,** Investigation of Temperature Distribution in the Workpiece During High Speed Deep Surface Grinding using FEM, International Journal of Manufacturing, Materials, and Mechanical Engineering, Vol. 2, No. 3,pp. 16-33 **(2012)**
53. Basant Kumar Bhuyan and **Vinod Yadava**, Experimental Investigations of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) of Borosilicate Glass, Asian Review of Mechanical Engineering-An International Peer Reviewed Journal on Mechanical Engineering, Vol. 1, No. 2, pp. 24-29 **(2012)**
54. Shyam Sunder and **Vinod Yadava**, Multi-Objective Optimization of the Electro-Discharge Diamond Surface Grinding Process, Asian Review of Mechanical Engineering-An International Peer Reviewed Journal on Mechanical Engineering, Vol. 1, No. 2, pp. 45-50 **(2012)**

55. Ravindra Nath Yadava, **Vinod Yadava** and Gyanendra Kumar Singh, Application of ANN-NSGA-II Hybrid Methodology for Modeling and Optimization of Electrical Discharge Diamond Face Grinding of Tungsten Carbide-Cobalt (WC-Co) Composite, International Journal of Machining and Forming Technologies, Vol. 4, Issue 3-4, pp. 187-206 **(2012)**

56. R. N. Yadav, **Vinod Yadava** and G. K. Singh, Intelligent Modeling of Electro-Discharge Diamond Face Grinding (EDDFG), International Journal of Surface Engineering and Materials Technology, Vol. 2, No. 2, pp. 24-28 **(2012)**

57. Sanjeev Kumar Singh Yadav and **Vinod Yadava**, Simultaneous Optimization of Multiple Quality Characteristics in Electrical Discharge Diamond Cut-off Grinding, Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol. 110-116, pp 250-257 **(2012)**

58. Audhesh Narayan and Vinod Yadava, Modeling and Optimization of High Speed Deep Surface Grinding for Thermal Stresses, Journal of Machining and Forming Technologies, Vol. 6, No. 1-2, pp. 1-22 **(2012)**

59. Shyam Sunder and Vinod Yadava, Modeling and Optimization of Electrical Discharge Diamond Surface Grinding of Al-10wt.% SiCp Composite, Journal of Machining and Forming Technologies, Vol. 6, No. 1-2, pp. 23-44 **(2012)**

2013 (31)

60. Amit Sharma and **Vinod Yadava**, Modeling and Optimization of Cut Quality during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Curved Profile, Optics and Lasers in Engineering, Vol. 5, No. 1(1),pp. 77-88 **(2013) (SCIE Journal)**

61. K.B. Judal and **Vinod Yadava**, Electrochemical Magnetic Abrasive Machining of AISI-304 Stainless Steel Tubes, International Journal of Precision Engineering and Manufacturing, Vol. 14, No. 1, pp. 37-43 **(2013) (SCIE Journal)**

62. Sanjay Mishra and **Vinod Yadava**, Modeling and Optimization of Laser Beam Percussion Drilling of Nickel-based Super alloy Sheet using Nd:YAG Laser, Optics and Lasers in Engineering, Vol. 51, Issue 6, pp. 681-695 **(2013) (SCIE Journal)**

63. Shyam Sunder and **Vinod Yadava**, Modeling and Prediction of Material Removal Rate and Surface Roughness in Surface-Electrical Discharge Diamond Grinding Process of Metal Matrix Composites, Materials and Manufacturing Processes**,** Vol. 28, Issue 4, pp. 381-389 **(2013) (SCIE Journal)**

64. K.B. Judal and **Vinod Yadava,** Cylindrical Electrochemical Magnetic Abrasive Machining of AISI-304 Stainless Steel, Materials and Manufacturing Processes, Vol. 28, Issue 4, pp. 449-456 **(2013) (SCIE Journal)**

65. Sanjay Mishra and **Vinod Yadava**, Modeling and Optimization of Laser Beam Percussion Drilling of Thin Aluminium Sheet, Optics and Laser Technology, Vol.48, pp. 461-474 **(2013) (SCI Journal)**

66. Sanjay Mishra and **Vinod Yadava**, Prediction of Hole Characteristics and Hole Productivity during Pulsed Nd: YAG Laser Beam Percussion Drilling, IMechE Part B, Journal of Engineering Manufacture, Vol.227, No. 4, pp. 494-507 **(2013) (SCI Journal)**

67. Sanjeev Kumar Yadav and **Vinod Yadava**, Experimental Investigation of Electrical Discharge Diamond Cut-off Grinding of Ti-Alloy, Materials and Manufacturing Processes, Vol. 28, Issue 5, pp. 557-561**(2013) (SCIE Journal)**

68. Sanjay Mishra and **Vinod Yadava,** Modeling of Hole Taper and Heat Affected Zone due to Laser Beam Percussion Drilling, Machining Science and Technology, Vol. 17, Issue 2, pp. 270-291 **(2013) (SCIE Journal)**

69. P.S Balaji and **Vinod Yadava**, Three Dimensional Thermal Finite Element Simulation of Electro-Discharge Diamond Surface Grinding, Simulation Modeling PRACTICE and THEORY, Vol. 35, pp. 97-117 **(2013) (SCIE Journal)**

70. Basant Kumar Bhuyan and **Vinod Yadava,** Experimental Modeling And Multi-Objective Optimization Of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) Process, Journal of Mechanical Science and Technology, Vol. 27 (8), pp. 2467-2476 **(2013) (SCIE Journal)**

71. Ravindra Nath Yadav and **Vinod Yadava**, Experimental Study of Erosion and Abrasion based Hybrid Machining of Hybrid Metal Matrix Composite, International Journal of Precision Engineering and Manufacturing, Volume 14, Issue 8, pp 1293-1299 **(2013) (SCIE Journal)**

72. K.B. Judal and **Vinod Yadava,** Modelling and Simulation of Cylindrical Electro-Chemical Magnetic Abrasive Machining of AISI-420 Magnetic Steel, Journal of Materials Processing Technology, Volume 213, Issue 12, pp: 2089–2100 **(2013) (SCIE Journal)**

73. Sanjeev Kumar Yadav and **Vinod Yadava**, Experimental Investigations to Study EDDCG Machinability of Cemented Carbide, Materials and Manufacturing Processes, Vol. 28, Issue 10, pp: 1077-1081 **(2013) (SCIE Journal)**

74. K.B. Judal and **Vinod Yadava,** Experimental Investigations into Electrochemical Magnetic Abrasive Machining of Cylindrical Shaped Non-magnetic Stainless Steel Workpiece, Materials and Manufacturing Processes, Volume 28, Issue 10, pp: 1095-1101 **(2013) (SCIE Journal)**

75. Ravindra Nath Yadav and **Vinod Yadava**, Multi-Objective Optimization of Slotted Electrical Discharge Abrasive Grinding of Metal Matrix Composite using Artificial Neural Network and Non-Dominated Sorting Genetic Algorithm, IMechE Part B, Journal of Engineering Manufacture, Vol. 227, No. 10, pp: **1442-1452 (2013) (SCI Journal)**

76. K.B. Judal, **Vinod Yadava** and Dayanidhi Pathak, Experimental Investigation of Vibration Assisted Cylindrical–Magnetic Abrasive Finishing of Aluminum Workpiece, Materials and Manufacturing Processes, Volume 28, 1, pp: 1196-1202 **(2013) (SCIE Journal)**

77. Ravindra Nath Yadav and **Vinod Yadava,** Influence of Input Parameters on Machining Performances of Slotted-Electrical Discharge Abrasive Grinding of Al/SiC/Gr Metal Matrix Composite, Materials and Manufacturing Processes, Vol. 28, No. 12, pp: 1361-1369 **(2013) (SCIE Journal)**

78. Sanjay Mishra and **Vinod Yadava**, Prediction of Material Removal Rate due to Laser Beam Percussion Drilling in Aluminium sheet using the Finite Element Method, International Journal of Machining and Machinability of Materials, Vol 14, No 4, pp 342-362 **(2013) (SCOPUS Journal)**

79. Ravindra Nath Yadav and **Vinod Yadava**, Intelligent Modeling and Prediction of Slotted-Electrical Discharge Diamond Grinding (S-EDDG) of Aluminium-Silicon Carbide-Graphite Composite, International Journal of Abrasive Technology**,** Vol 6, No 2, pp 93-113 **(2013) (SCOPUS Journal)**

80. Amit Sharma and **Vinod Yadava**, Simultaneous Optimization of Average Kerf Taper and Surface Roughness during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Straight Profile, International Journal of Manufacturing Technology and Management, Vol. 27, No. 1/2/3, pp. 112-126 **(2013) (SCOPUS Journal)**

81. K.B. Judal and **Vinod Yadava**, A study of electrochemical magnetic abrasive machining process, International Journal of Manufacturing Technology and Management, Vol.27, No.4/5/6, pp.142 – 153 **(2013) (SCOPUS Journal)**

82. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Optimization of Process Parameters in the Hole Drilling Electrical Discharge Micromachining of Titanium based Super Alloy Thin Sheet, Journal of Machining and Forming Technologies, Vol. 5, No. 1/2, pp. 75-88 **(2013)**

83. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Modeling and Optimization of Hole Drilling Electrical Discharge Micromachining Process of Ti-6Al-4V Thin Sheet, International Journal of Precision Technology, Vol. 3, No. 2,pp. 183-205 **(2013)**

84. K. B. Judal, **Vinod Yadava** and D. K. Pathak, Study of Vibration Frequency and Abrasive Particle Size during Cylindrical Magnetic Abrasive Finishing, International Journal of Precision Technology, Vol. 3, No. 2,pp. 117-130 **(2013)**

85. Amit Sharma, **Vinod Yadava** and K. B. Judal, Intelligent Modeling and Multi-Objective Optimization of Laser Beam Cutting of Nickel Based Super alloy Sheet, International Journal of Manufacturing, Materials, and Mechanical Engineering, Vol. 3, No. 2, pp. 1-16 **(2013)**

86. Ravindra Nath Yadav, **Vinod Yadava** and G.K. Singh, Multi-Objective Optimization of Process Parameters in Electro-Discharge Face Grinding based on ANN-NSGA-II Hybrid Technique, Frontiers of Mechanical Engineering, Volume 8, Issue 3, pp 319-332 **(2013)**

87. Basanta Kumar Bhuyan and **Vinod Yadava**, Simultaneous Optimization of Multiple Quality Characteristics in Travelling Wire Electro-Chemical Spark Machining (TW-ECSM) of Pyrex Glass, Asian Journal of Engineering and Applied Technology, Vol. 2 (2), pp 19-24 **(2013)**

88. Rajesh Kumar Porwal and **Vinod Yadava**, Optimization of Process Parameters in the Hole Sinking Electrical Discharge Micromachining of Ti-6Al-4V Thin Sheet, Asian Journal of Mechanical Engineering, Vol. 2, No. 2, pp. 12-18, **2013**

89. Ravindra Nath Yadav and **Vinod Yadava**, Preliminary study on Slotted-Electrical Discharge Diamond Face Grinding of Metal Matrix Composite, Asian Journal of Mechanical Engineering, Vol 2, No 2, pp 32-37 **(2013)**

90. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Multi-Objective Optimization of Hole Drilling Electrical Discharge Micromachining Process using Grey Relational Analysis Coupled with Principal Component Analysis, Journal of the Institution of Engineers (India): Series C, Vol. 94 (4), pp 317-325 **(2013)**

2014 (21)

91. Rajesh Kumar Porwal, **Vinod Yadava,** and J Ramkumar, Modelling and Multi-Response Optimization of Hole Sinking Electrical Discharge Micromachining of Titanium alloy Thin Sheet, Journal of Mechanical Science and Technology, Vol. 28, No.2, pp. 653-661 **(2014) (SCIE Journal)**

92. Ravindra Nath Yadav and **Vinod Yadava**, Slotted-Electrical Discharge Diamond Cut-off Grinding of Al/SiC/B4C Hybrid Metal Matrix Composite, Journal of Mechanical Science and Technology**,** Vol. 28, No. 1, pp. 309~316 **(2014) (SCIE Journal)**

93. Basant Kumar Bhuyan and **Vinod Yadava,** Experimental Modeling and Multi Response Optimization of Travelling Wire Electro-Chemical Spark Machining (TW-ECSM) of Pyrex Glass, IMechE Part B, Journal of Engineering Manufacture, Vol. 228, No. 8, pp. 902-916 **(2014) (SCI Journal)**

94. Basant Kumar Bhuyan and **Vinod Yadava,** Experimental Study of Traveling Wire Electro-Chemical Spark Machining of Borosilicate Glass, Materials and Manufacturing Processes, Vol. 29, No. 3, pp. 298~304 **(2014) (SCIE Journal)**

95. Umacharan Singh Yadav and **Vinod Yadava**, Parametric Study on Electrical Discharge Drilling of Aerospace Nickel Alloy, Materials and Manufacturing Processes, Vol. 29, No. 3, pp. 260~266 **(2014) (SCIE Journal)**

96. Ravindra Nath Yadav and **Vinod Yadava**, Machining Performance of Slotted-Electrical Discharge Diamond Face Grinding of Al/SiC/Gr Composite**,** Materials and Manufacturing Processes, Vol. 29, No. 5, pp. 585-592 **(2014) (SCIE Journal)**

97. K.B. Judal and **Vinod Yadava**, Modeling and Simulation of Cylindrical Electro-Chemical Magnetic Abrasive Machining Process, Machining Science and Technology-An International Journal, Vol. 18, No. 2, pp. 221-250 **(2014) (SCI Journal)**

98. Ravindra Nath Yadav, **Vinod Yadava** and G.K. Singh, Application of Non-Dominated Sorting Genetic Algorithm for Multi-Objective Optimization of Electrical Discharge Diamond Face Grinding Process, Journal of Mechanical Science and Technology, Vol. 28, No. 6, pp. 2299-2306 **(2014) (SCIE Journal)**

99. Shyam Sunder and **Vinod Yadava**, Modeling and Optimization of Material Removal Rate and Surface Roughness in Surface-Electrical Discharge Diamond Grinding Process, Int. Journal of Industrial and Systems Engineering, Vol. 17, No. 2, pp. 133-151 **(2014) (SCOPUS Journal)**

100. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Modeling of Performance Characteristics during Sinking Electrical Discharge Micromachining of Ti-6Al-4V Thin Sheet, International Journal of Manufacturing Research, Vol. 9, No. 3, pp.314-332 **(2014) (SCOPUS Journal)**

101. Ravindra Nath Yadav, **Vinod Yadava** and G.K.Singh, Application of Response Surface Methodology and Genetic Algorithm for Optimisation of Electro-Discharge Diamond Face Grinding of Tungsten Carbide-Cobalt Composite, International Journal of Industrial and Systems Engineerin**g,** Vol. 18, No. 1, pp.76-94 **(2014) (SCOPUS Journal)**

102. Ravindra Nath Yadav and **Vinod Yadava**, A New Way of Electro-Abrasion Hybrid Machining (EAHM) using Slotted-Diamond Grinding Wheel, International Journal of Manufacturing Technology and Management, Vol. 28, No. 1/2/3, pp.132-145 **(2014) (SCOPUS Journal)**

103. Ravindra Nath Yadav, **Vinod Yadava** and G.K. Singh, Modeling and Simulation of Spark Assisted Diamond Face Grinding of Tungsten Carbide-Cobalt Composite, Int. Journal of Manufacturing Technology and Management, Vol. 28, No. 1/2/3, pp.146-163 **(2014) (SCOPUS Journal)**

104. Basanta Kumar Bhuyan and **Vinod Yadava**, Modelling and Optimisation of Travelling Wire Electro-Chemical Spark Machining Process, International Journal of Industrial and Systems Engineering**,** Vol. 18, No. 2, pp.130-158 **(2014) (SCOPUS Journal)**

105. Shyam Sunder and **Vinod Yadava**, Modeling and Optimization of Electrical Discharge Diamond Surface Grinding of Al-10wt% SiCp Composite, Journal of Machining and Forming Technologies, Vol. 6, No. 1-2, pp. **(2014)**

106. Audhesh Narayan and **Vinod Yadava,** Modeling and Optimization of High Speed Deep Surface Grinding for Thermal Stresses, Journal of Machining and Forming Technologies, Vol. 6, No. 1-2, pp. **(2014)**

107. Rajesh Kumar Porwal and **Vinod Yadava**, Experimentation and Prediction of Material Removal Rate of Electrical Discharge Micromachining of Nickel based Super Alloy Thin Sheet, International Journal of Computer Aided Engineering and Technology, Vol. 6, No.1, pp. 62-73 **(2014)**

108. G. K. Singh, N. K. Chauhan, Rajeev Kumar and **Vinod Yadava,** Grey Relational Analysis Coupled with Principal Component Analysis for Optimization Design of the Machining Parameters in Electro-Discharge Diamond Face Grinding**,** International Journal of Current Engineering and Technology, special issue-2, pp. 23-27 **(2014)**

109. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Neural Network based Modeling and GRA Coupled PCA Optimization of Hole Sinking Electro-Discharge Micromachining, International Journal of Manufacturing, Materials, and Mechanical Engineering, Vol. 4, No. 1, pp.1-22 **(2014)**

110. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, Finite Element Based Modeling of Surface Roughness in Micro Electro-Discharge Machining Process, International Journal of Materials Forming and Machining Processes, Vol. 1, No. 2, pp. 44-61**(2014)**

111. Basanta Kumar Bhuyan and **Vinod Yadava**, Modelling and Optimisation of Travelling Wire Electro- Ravindra Nath Yadav and **Vinod Yadava**, A Hybrid Methodology of ANN-NSGA-II for Optimization of the Process Parameters of Slotted-Electrical Discharge Abrasive Grinding Process, International Journal of Materials Forming and Machining Processes, Vol. 1, No. 2, pp. 19-34 **(2014)**

2015 (12)

112. Sanjay Mishra and **Vinod Yadava**, Finite Element (FE) Prediction of Hole Characteristics and Material Removal Rate due to Laser Beam Percussion Drilling, Lasers in Engineering, Vol. 30, No. 3-4, pp. 175–202 **(2015) (SCIE Journal)**

113. Sanjay Mishra an**d Vinod Yadava**, Finite Element (FE) Simulation to investigate the effect of Material Thickness on Hole Taper and Heat Affected Zone during Laser Beam Percussion Drilling of Thin Aluminium Sheet, Lasers in Engineering, Vol. 30, No. 5-6, pp. 341–36**1 (2015) (SCIE Journal)**

114. Sanjay Mishra and **Vinod Yadava**, Laser Beam Micromachining (LBMM)-A Review, Optics and Lasers in Engineering, Vol. 73, pp. 89-122 **(2015) (SCIE Journal)**

115. Amit Sharma and **Vinod Yadava**, Modeling and Optimization of Cut Quality Characteristics during Pulsed Nd: YAG Laser Cutting of Ni-Based Superalloy Thin Sheet for Curved Profile, Lasers in Engineering, Vol. 31, pp. 351-382 **(2015) (SCIE Journal)**

116. Ravindra Nath Yadav and **Vinod Yadava**, Experimental Investigations of Slotted Electrical Discharge Abrasive Grinding of Al/SiC/Gr Composite, IMechE Part B, Journal of Engineering Manufacture, Vol. 231, pp. 913-923 **(2015) (SCIE Journal)**

117. Umacharan Singh Yadav and **Vinod Yadava,** Experimental Modeling and Multi-Objective Optimization of Electrical Discharge Drilling of Aerospace Super Alloy Material, IMechE Part B, Journal of Engineering Manufacture, Vol. 229 (10), pp. 1764–1780 **(2015) (SCI Journal)**

118. Ravindra Nath Yadav and **Vinod Yadava**, Application of Soft Computing Techniques for Modeling and Optimization of Slotted-Electrical Discharge Diamond Face Grinding Process, Transactions of the Indian Institute of Metals, Vol. 68, Issue 5, pp. 981-990 **(2015) (SCIE Journal)**

119. Umacharan Singh Yadav and **Vinod Yadava,** Experimental Investigation on Electrical Discharge Diamond Drilling of Nickel Based Superalloy Aerospace Material, IMechE Part B, Journal of Engineering Manufacture**,** Vol. 231 (7), pp. 1160-1168 **(2015) (SCI Journal)**

120. Umacharan Singh Yadav and **Vinod Yadava,** Experimental Investigation on Electrical Discharge Drilling of Ti-6Al-4V Alloy, Machining Science and Technology-An International Journal**,** Vol. 19, Issue 4, pp. 515-535 **(2015) (SCIE Journal)**

121. Umacharan Singh Yadav and **Vinod Yadava,** Experimental Modeling and Optimization of Process Parameters of Hole Drilling by Electrical Discharge Machining of Aerospace Titanium Alloy, International Journal of Manufacturing Technology and Management, Vol. 29, Issue 3-4, pp. 211–234 **(2015) (SCOPUS Journal)**

122. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, Finite Element Prediction of Crater Geometry and Material Removal Rate in Sinking Micro-Electrical Discharge Machining of AISI 4140 Steel, Journal of Machining and Forming Technologies, Volume 7, Number 1-2, pp. 11-31 **(2015)**

123. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, FEM Modeling and Multi-Objective Optimization of Electro-Discharge Micromachining of AISI 4140 Steel, International Journal of Manufacturing and Engineering, Vol. 6(1), pp. 63-75 (ISSN 0976-6812) **(2015)**

2016 (02)

124. Audhesh Narayan and **Vinod Yadava**, Modeling and Optimization of Creep Feed Deep Surface Grinding using FEM based NNGA, International Journal of Engineering Systems Modelling and Simulation, Vol. 8,No. 1, pp. 65-74 (2016) **(SCOPUS Journal)**

125. Shyam Sunder and **Vinod Yadava**, Development and Experimental Study of Surface-Electrical Discharge Diamond Grinding of Al–10 wt% SiC Composite, Journal of The Institution of Engineers (India): Series C, Vol. 97, Issue 1, pp: 1-9 **(2016) (SCOPUS Journal)**

2017 (07)

126. Ram Singar Yadav and **Vinod Yadava,** Experimental Investigations on Electrical Discharge Diamond Face Surface Grinding (EDDFSG) of Hybrid Metal Matrix Composite, Materials and Manufacturing Processes**,** Vol. 32, Issue 2, pp. 135-144 **(2017) (SCIE Journal)**

127. Ravindra Nath Yadav and **Vinod Yadava,** Machining of Hybrid-Metal Matrix Composite using Erosion-Abrasion based Compound Wheel in Electrical Discharge Grinding, Particulate Science and Technology, Vol. 35,No. 4, pp. 494-504 **(2017) (SCIE Journal)**

128. Ram Singar Yadav and **Vinod Yadava,** Performance study of Electrical discharge diamond face surface grinding (EDDFSG) on hybrid metal matrix composite, Journal of Mechanical Science and Technology, Vol. 31 (1), pp. 317-325 **(2017) (SCIE Journal)**

129. Ravindra Nath Yadav and **Vinod Yadava,** Artificial Neural Network Modeling of Erosion-Abrasion based Hybrid Machining of Aluminium-Sillicon Carbide-Boron Carbide Composite, International Journal of Engineering Systems Modelling and Simulation, Vol. 9 (2), pp. 63-77 **(2017) (SCIE Journal)**

130. Ram Singar Yadav and **Vinod Yadava,** Experimental Investigations on Electrical Discharge Diamond Peripheral Surface Grinding (EDDPSG) of Hybrid Metal Matrix Composite, Journal of Manufacturing Processes, Volume 27, June 2017, pp. 241-251 **(2017) (SCIE Journal)**

131. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, Modeling and Multi-Response Optimization of Sinking Micro-Electrical Discharge Machining of AISI 4140 Steel, International Journal of Industrial and Systems Engineering**,** Vol. 26, Issue 3, pp. 397–424 **(2017) (SCOPUS Journal)**

132. Param Singh, **Vinod Yadava** and Audhesh Narayan**,** Comparison of machining performance of hole-sinking micro-EDM without and with ultrasonic vibration on titanium alloy, International Journal of Precision Technology, Vol. 7, No. 2/3/4, pp. 205-221 **(2017)**

2018 (05)

133. Param Singh, **Vinod Yadava** and Audhesh Narayan**,** Machining Performance Characteristics of Inconel 718 Superalloy Due to Hole-Sinking Ultrasonic Assisted Micro-EDM**,** Journal of Advanced Manufacturing Systems, Vol. 17, No. 1, pp. 1–17 **(2018) (SCOPUS Journal)**

134. Amit Sharma and **Vinod Yadava**, Experimental Analysis of Nd-YAG Laser Cutting of Sheet Materials – A Review, Optics and Lasers Technology, Vol. 98, pp. 264-280 **(2018) (SCI Journal)**

135. Param Singh, **Vinod Yadava** and Audhesh Narayan**,** Parametric Study of Ultrasonic Assisted Hole Sinking Micro-EDM of Titanium Alloy**,** International Journal of Advanced Manufacturing Technology, Vol. 94, pp:2551-2562 **(2018) (SCIE Journal)**

136. Palvita Yadav, **Vinod Yadava** and Audhesh Narayan, Experimental Investigation for Kerf Characteristics due to Wire Electrochemical Spark Cutting of Alumina Epoxy Nanocomposite, Journal of Mechanical Science and Technology, Vol. 32, No. 1, pp. 345-350 **(2018) (SCIE Journal)**

137. Umacharan Singh Yadav and **Vinod Yadava,** Modeling and Optimization of Process Parameters of Electrical Discharge Diamond Drilling of Nimonic Alloy-An Aerospace Material**,** International Journal of Industrial and Systems Engineering, Vol. 29, No. 3-4, pp. 211–234 **(2018) (SCOPUS Journal)**

Accepted (02)

138. Ram Singar Yadav and **Vinod Yadava,** Hybrid Design based Modelling and Multi-Objective Optimization of Hybrid Machining of Hybrid Metal Matrix Composites, IMechE Part C, Journal of Mechanical Engineering Science **(Accepted in June 2018) (SCIE Journal)**

(B) PEER REVIED NATIONAL JOURNAL PUBLICATIONS (06)

1. Avanish K. Dubey and **Vinod Yadava,** Capabilities and applications of magnetic abrasive finishing, Indian Surface Finishing Journal, Vol. 2, No. 4, pp. 483-492 (**2005**)
2. Amit Sharma and **Vinod Yadava**, A Study On Kerf Taper and Surface Roughness In Nd: YAG Laser Beam Cutting Based on Taguchi Method, Journal of Manufacturing Engineering**,** Vol. 6, Issue 2, pp. 93-98 **(2011)**
3. Sanjay Mishra and **Vinod Yadava**, Prediction of Hole Radius and Material Removal Rate due to Single Pulse Laser Beam Drilling using Finite Element Method, Journal of Engineering and Technology Education, 6 pp. 39-43(**2012)**
4. Basanta Kumar Bhuyan and **Vinod Yadava**, Development of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) Setup. Journal of Engineering & Technology Education, Vol. 6, pp. 28-33 **(2012)**
5. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Optimization of Process Parameters in the Hole Sinking Electro-Discharge Micromachining using GRA-PCA, Journal of Manufacturing Engineering, Vol. 8, Issue. 2, pp 96-104 **(2013)**
6. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, Electro-Thermal Modeling for the Prediction of Surface Roughness in µ-EDM Using Finite Element Method, Global Sci-Tech, Vol. 7(1), pp. 46-52, (ISSN 0975-9638) **(2015)**

(C) PROCEEDINGS OF INTERNATIONAL CONFERENCE PUBLICATIONS (83)

1. Rahul B. Patil and Rahul M. Patil and **Vinod Yadava,** Determination of Temperature Distribution in Metallic Layer during Selective Layer Sintering using FEM, Proc. of Int. Conference on Manufacturing and Management-2004 at VIT Vellore (**2004)**
2. Khatri A. and **Yadava V.**, Finite Element Simulation of Plane Magnetic Abrasive Finishing, Proc. of ASME International Mechanical Engineering Congress and Exposition at Chicago (USA) (**2006)**
3. Audhesh Narayan and **Vinod Yadava**, Finite Element and Experimental Evaluation of Material Removal Rate in Electric Discharge Machining, Proc. of Int. Conference on Manufacturing Research at De Montfort University Leicester UK (**Sep-2007)**
4. Avanish K. Dubey and Vinod Yadava, Experimental Study and Optimization of Kerf Deviation during Laser Beam Cutting, Proc. of International Conference on Emerging Challenges in Design and Manufacturing Technologies at Satyabhama University **(Nov-2007)**
5. Mohan Charan Panda, Vinod Yadava and Ankush R. Kapare, Finite Element Analysis of Micro-Weld Bead due to Electro-Chemical Discharge Micro-Welding, Proc. of Int. Conference on Computer Aided Engineering at IIT Madras **(Dec-2007)**

6. Audhesh Narayan and Vinod Yadava, Finite Element Simulation of Material Removal Rate in Electro-Discharge Machining Process, Proceedings of the 4th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2007) at IIT Kharagpur **(Dec-2007)**

7. Sanjeev Kumar Singh Yadava and **Vinod Yadava,** Experimental Study of Electrical Discharge Diamond Grinding (EDDG) of HSS and Carbide, Proc. of 2nd International and 23rd All India Manufacturing Technology Design and Research (AIMTDR-2008) Conference at IIT Madras (**Dec-2008)**

8. Raghavendra Rao, Avanish K. Dubey and **Vinod Yadava,** Parameter Optimization and Modeling of Straight and Curved Nd-YAG Laser Cutting of Thin Sheet, Proc. of 2nd International and 23rd All India Manufacturing Technology Design and Research Conference (AIMTDR-08) at IIT Madras (**Dec-2008)**

9. Himadri Pandey and **Vinod Yadava,** Feasibility study of micro grinding of silicon wafers with electrical spark assistance, Proc. of International Conference on Mechano-Chemistry and Mechanical Alloying (INCOME2008) Jamshedpur (Dec-**2008)**

10. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Application of Taguchi method in the optimization of machining parameters for material removal rate in Electro-Discharge Diamond Face Grinding, Proc. of International Conference on Advances in Mechanical and Building Sciences in the 3rd Millennium (ICAMB2009) at VIT University Vellore (Dec-**2009**)

11. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Robust parameter design and multi-objective **o**ptimization of electro-discharge diamond **f**ace grinding of HSS, Proc. of International Conference (MATADOR-10) at University of Manchester UK, pp. 429-433**(July-2010)**

12. Mohan Charan Panda, **Vinod Yadava** and Basant Kumar Bhuyan, Intelligent Modeling of Traveling Wire Electro-Chemical Spark Machining Process, Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam, Vol-1, pp. 537-544**(Dec-2010)**

13. Gyanendra Kumar Singh, **Vinod Yadava** and Shyam Sunder Agarwal, Comparative study of EDFM, EDFG and EDDFG of HSS, Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam, Vol-1, pp. 171-175**(Dec-2010)**

14. S.K.S. Yadav and **Vinod Yadava**, Artificial Neural Network Molding of Electrical Discharge Diamond Cut-off Grinding (EDDCG), Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam, Vol-1, pp. 271-275**(Dec-2010)**

15. K.B. Judal and **Vinod Yadava**, Development of a New Abrasion Based Hybrid Finishing Technique for Fine Finishing of Difficult to Finish Materials, Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam**,** Vol-2, pp. 909-912**(Dec-2010)**

16. Salim Mohd, **Vinod Yadava**, Sanjay Mishra and Amit Sharma, 3D Transient Finite Element Analysis of Laser Percussion Drilling of Thin Sheet Metal, Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam, Vol-2, pp. 879-884**(Dec-2010)**

17. Amit Sharma, **Vinod Yadava**, Optimization of Quality Characteristics during Nd: YAG Laser Cutting of SUPERNI 718 Thin Sheet, Proc. of 3rd International and 24th All India Manufacturing Technology, Design and Research (AIMTDR-2010) at AU College of Engineering Visakhapatnam ,Vol-1, pp. 165-170**(Dec-2010)**

18. Amit Sharma and **Vinod Yadava**, Modelling and Analysis of Pulsed Nd: YAG Laser Cutting of Thin Ni-based Superalloy Sheet, Proc. of Int. Conf. (ICAME-2010) at SVNIT Surat **(Jan-2010)**

19. A. K. Dubey, Arun K. Pandey and **Vinod Yadava**, Experimental Study on Laser Cutting of Superalloy Sheet, Proc. of Int. Conference on Advances in Mechanical Engineering (ICAME-2010) at SVNIT Surat, pp. 244-248**(Sep-2010)**

20. S.K.S. Yadav and Vinod Yadava, Multi Objective Optimization of Electrical Discharge Diamond Cut-off Grinding using Taguchi Method, Proc. of Int. Conference on Advances in Mechanical Engineering (ICAME) at SVNIT Surat, pp. 459-463 **(Sep-2010)**

21. Rajesh Kumar Porwal, **Vinod Yadava**, Developments in Micro-Electro Discharge Machining Process, Proc. of Int. Conference on Production and Industrial Engineering at NIT Jalandhar, pp. 633-636 (**Dec-2010)**

22. Sanjay Mishra, **Vinod Yadava** and Avanish K. Dubey, A Review of Laser Micro-Drilling, Proc. of the International Conference on Production and Industrial Engineering at NIT Jalandhar **(Dec-2010)**

23. S.K.S. Yadav and **Vinod Yadava**, Simultaneous Optimization of Multiple Quality Characteristics in Electrical-Discharge Diamond Cut-off Grinding (EDDCG), Proc. of International Conference on Mechanical, Industrial and Manufacturing Technologies (MIMT-2011) at Singapore (**Feb-2011)**

24. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Study of the parameters in electro-discharge diamond face grinding through response surface methodology approach, Proc. of International Conference on Mechanical, Industrial and Manufacturing Technologies (MIMT-2011) at Singapore **(February-2011)**
25. Sanjay Mishra and **Vinod Yadava**, FEM Modeling for Laser Beam Percussion Drilling of Aluminium, Proc. of Int. Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 474-478(**Dec-2011)**
26. Smita Gupta, **Vinod Yadava**, Sanjay Mishra and Amit Sharma, Finite Element Analysis of Laser Beam Bending in Ultra-Thin Aluminium Foil, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 420-423(**Dec-2011)**
27. Ravindra Nath Yadav, **Vinod Yadava** and K. B. Judal, Machining of Metal Matrix Composites (MMCs) using Simultaneous Influence of Abrasion and Spark Erosion: A Combined Approach, Proc. of Int. Conf. on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 353-358**(Dec-2011)**
28. Shyam Sunder Agarwal and **Vinod Yadava**, Artificial Neural Network Modeling of Electrical Discharge Diamond Surface Grinding (EDDFG), Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 265-269(**December-2011)**
29. S.Viswanadh and **Vinod Yadava**, Development of Desktop Milling-Electrochemical Spark Micromachining (MECSMM), Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 249-253(**Dec-2011)**
30. Rajesh Kumar Porwal, **Vinod Yadava** and J. Ramkumar, Multi-Objective Optimization of Hole Drilling Electro-Discharge Micromachining Process, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2011) at Pune, pp. 178-183**(Dec-2011)**
31. S.K.S Yadav and **Vinod Yadava**, Modeling and experimental study of electrical discharge diamond Cut-off grinding (EDDCG) of cemented carbide, Proc. of Int. Conf. (MATADOR-12) at University of Manchester UK (**July-2012**)
32. K.B. Judal an**d Vinod Yadava**, A Study in Electrochemical Magnetic Abrasive Machining, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 363-368 **(Dec-2012)**
33. Shyam Sunder and **Vinod Yadava**, Multi-Response Optimization of Electrical Discharge Diamond Surface Grinding of Al-10wt.%SiC Composite Using Weighted Principal Component and Fuzzy Logic, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata Vol. 1, pp. 605-610 (**Dec-2012)**
34. S.K.S. Yadav and **Vinod Yadava**, Comparative Study of Electrical Discharge Cut-off Grinding and Electrical Discharge Diamond Cut-off Grinding of Ti-alloy, Proceedings of the 4th Int. and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) JU Kolkata Vol. 1, pp. 601-604(**Dec-2012**)
35. D. K. Pathak, **Vinod Yadava** and K. B. Judal, Effect of Abrasive Particle Size During Magnetic Abrasive Machining of Aluminium Tube, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conf. (AIMTDR-2012) at JU Kolkata Vol. 1, pp. 374-378(**Dec-2012)**
36. Audhesh Narayan and **Vinod Yadava**, Thermal Stress Prediction within the Contact Surface during High Speed Deep Surface Grinding, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata pp. 59 (**Dec-2012**)
37. Balaji PS an**d Vinod Yadava**, Three Dimensional Thermal Modeling of Electro-Discharge Diamond Grinding, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata page, pp. 61 (**Dec-2012**)
38. Rajesh Kumar Porwal and **Vinod Yadava,** Artificial neural network modeling of hole drilling electro discharge micromachining, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 80(**Dec-2012)**
39. Ravindra Nath Yadav and **Vinod Yadava**, A New Way of Abrasive Hybrid Machining using Slotted Wheel, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 369-373(**Dec-2012**)

40. K. B. Judal an**d Vinod Yadava** and Lokesh Mishra, Development and Experimental Study of Plane Electrolytic Magnetic Abrasive Finishing, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 55(**Dec-2012**)
41. Basanta Kumar Bhuyan and **Vinod Yadava**, Effect of Supply Voltage and Electrolyte Concentration on Material Removal Rate due to Traveling Wire Electro-Chemical Spark Machining Process, Proc. of 4th Int. and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 58**(Dec-2012)**
42. Ravindra Nath Yadav**, Vinod Yadava** and G. K. Singh (2012), Modeling of Spark Assisted Diamond Face Grinding of Tungsten Carbide- Cobalt Composite, Proc. of 4th International and 25th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 379-383(**Dec-2012**)
43. Sanjeev Kumar Singh Yadav and **Vinod Yadava**, ANN Modeling of Electrical Discharge Diamond Cut-Off Grinding (EDDCG) of Ti-Alloy, Proceedings of the International Conference on Agile Manufacturing (ICAM-2012) IIT (BHU) Varanasi pp. 312-314 (**Dec-2012**)
44. Basanta Kumar Bhuyan an**d Vinod Yadava**, Experimental Investigations of Traveling Wire Electro-Chemical Spark Machining of Borosilicate Glass, Proc. of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar, Punjab **(Oct-2012)**
45. Shyam Sunder and **Vinod Yadava**, Multi–objective Optimization of the Electrical Discharge Diamond Surface Grinding Process, Proc. of International Conference on Advancement and Future Trends in Mechanical and Materials Engineering, PTU Jalandhar, Punjab **(Oct-2012)**
46. Sanjay Mishra and **Vinod Yadava**, A Finite Element Model to predict the effect of material thickness on Hole Taper and Heat-affected Zone during Laser Beam Percussion Drilling, Proc. of International Conference on Advancement and Future Trends in Mechanical and Materials Engineering, PTU Jalandhar, Punjab **(Oct-2012)**
47. Ravindra Nath Yadav and **Vinod Yadava**, Recent Trends on Hybrid Electrical Discharge Machining: An Overview, Proceedings of the Int. Conference on Agile Manufacturing (ICAM-2012) IIT (BHU) Varanasi pp. 386-390(**Dec-2012**)
48. Basant Kumar Bhuyan and **Vinod Yadava**, Modelling and Analysis of Machining Characteristics in Travelling Wire Electrochemical Spark Machining Process, Proc. of Int. Conf. on Precision, Meso, Micro and Nano Engineering (COPEN-2013) at NIT Calicut, pp. 939-945 (**Dec-2013)**
49. Sanjay Mishra and **Vinod Yadav**, Comparative analysis of the effect of thermo physical properties on the geometrical and metallurgical aspects of Nd: YAG laser drilled micro-hole, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2013) at NIT Calicut, pp. 729-735 (**Dec-2013)**
50. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, ANN Modeling of Electro-Discharge Micromachining Process for Prediction of Material Removal Rate and Surface Roughness, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2013) at NIT Calicut, pp. 569-575 (**Dec-2013)**
51. Amit Sharma, **Vinod Yadava** and Shyam Sunder Agarwal, Modelling of Cut Qualities during Nd-YAG Laser Cutting of Thin Aluminium Alloy Sheet Metal using Artificial Neural Network, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2013) at NIT Calicut, pp. 789-794 (**Dec-2013)**
52. Basanta Kumar Bhuyan and **Vinod Yadava,** Optimization of Travelling Wire Electro-Chemical Spark Machining (TW-ESCM) Process for multiple performance characteristics using Taguchi method and Grey relational analysis, Proceedings of the 3rd International Conference on Production and Industrial Engineering (CPIE-2013), Dr B R Ambedkar National Institute of Technology, Jalandhar, pp. 993-998 **(April-2013)**
53. Rajesh Kumar Porwal, **Vinod Yadava** and J Ramkumar**,** Optimization of process parameters in the hole sinking electro discharge micromachining using GRA-PCA, Proc. of International Conference on Recent Advances in Material Processing Technology (RAMPT-13), National Engineering College, K.R.Nagar, Kovilpatti (TamilNadu) **(Jan-2013)**
54. Rajesh Kumar Porwal, **Vinod Yadava** and J Ramkumar**,** Optimization of Process Parameters in the Hole Sinking Electrical Discharge Micromachining of Ti-6Al-4V Thin Sheet, Proc. of Int. Conference on Advancement and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-13), PTU Jalandhar (Punjab) pp. 137-143 **(Oct-2013)**
55. Basanta Kumar Bhuyan and **Vinod Yadava**, Multi-Objective Optimization of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) of Borosilicate Glass, Proc. of Int. Conf. on Smart Technologies for Mechanical Engineering (STME-2013), DTU New Delhi, pp. 865-873 **(Oct-2013)**
56. Basanta Kumar Bhuyan and **Vinod Yadava**, Simultaneous Optimization of Multiple Quality Characteristics in Traveling Wire Electrochemical Spark Machining of Pyrex Glass, Proc. of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2013), PTU Punjab, pp. 156-161**(Oct-2013)**

57. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, Modeling and Optimization of Electro-Discharge Micromachining of AISI 4140 Steel, Proc. of International Conference on Smart Technologies for Mechanical Engineering (STME-2013), DTU New Delhi, pp. 833-841 **(Oct-2013)**

58. Ravindra Nath Yadav and **Vinod Yadava**, Preliminary Study on Slotted-Electrical Discharge Diamond Face Grinding of Metal Matrix Composite, Proc. of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2013), PTU Punjab, pp. 397-401 **(Oct-2013)**

59. Ravindra Nath Yadav and **Vinod Yadava**, Modeling of Slotted-Electrical Discharge Diamond Face Grinding using ANN, Proc. of Int. Conf. on Smart Technologies for Mechanical Engineering (STME-2013), DTU New Delhi, pp. 669-675 **(Oct-2013)**

60. Ajay Suryavanshi, **Vinod Yadava** and Audhesh Narayan, ANN Modeling of Micro Electro-Discharge Machining Process for the Prediction of Material Removal Rate, Proc. of Int. Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2013), PTU Punjab, pp.17-22 **(Oct-2013)**

61. Sanjeev Kumar Singh Yadav and **Vinod Yadava**, Experimental Investigation on Processing of Cemented Carbide by EDCG and EDDCG: A Comparative Study, Proc. of International Conference on Smart Technologies for Mechanical Engineering (STME-2013), DTU New Delhi, pp. 903-907 **(Oct-2013)**

62. K.B. Judal, **Vinod Yadava** and Lokesh Mishra, Plane Electrolytic Magnetic Abrasive Finishing: Development and Experimentation. Proceedings of the International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2013), PTU Punjab, pp. 319-323 **(Oct-2013)**

63. Audhesh Narayan and **Vinod Yadava**, Thermal Stress Prediction within the Contact Surface during Creep Feed Deep Surface Grinding, Proc. of 5th International 26th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2014) at IIT Guwahati pp. 153 (**Dec-2014**)

64. Sanjay Singh, **Vinod Yadava** and Ram Singar Yadav, Development and Experimental Investigation of Electro-Discharge Diamond Face Grinding, Proc. of 5th International 26th All India Manufacturing Technology**,** Design and Research Conference (AIMTDR-2014) at IIT Guwahati pp. 239 (**Dec-2014**)

65. Vivek Kumar and **Vinod Yadava**, Experimental Study of Milling Electro-Chemical Spark Machining (M-ECSM) Process on Borosilicate Glass, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015) at IIT, Bombay,(**Dec-2015)**

66. Amit Singh and **Vinod Yadava**, Axial -Vibration Assisted Cylindrical-Magnetic Abrasive Finishing of AISI202SS Tubes, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015) at IIT, Bombay,(**Dec-2015)**

67. Ram Singar Yadav and **Vinod Yadava**, Development and Comparative Study of Electro-Discharge Abrasive Face Surface Grinding (EDAFSG), Electro-Discharge Face Surface Grinding (EDFSG) and Electro-Discharge Machining (EDM), Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015) at IIT, Bombay(**Dec-2015)**

68. Param Singh and **Vinod Yadava**, One Parameter At a Time Study of Ultrasonic Vibration Assisted Hole Sinking Micro-EDM of Inconel 718 Superalloy, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015) at IIT, Bombay,(**Dec-2015)**

69. Ram Singar Yadav, Gyan Singh and **Vinod Yadava**, Experimental Investigation of Electro-Discharge Face Grinding Metal Matrix Composite (Al/SiC), Proc. of 1st International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) at ITS Engineering College, Greater Noida, pp. 233-239 **(April-2015)**

70. Km Afsana and **Vinod Yadava**, Finite Element Analysis of Laser Beam Percussion Drilling of TBC Super Alloys, Proc. of 1st International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) at ITS Engineering College, Greater Noida, pp. 245-251 **(April-2015)**

71. Vivek Kumar and **Vinod Yadava**, An Experimental Investigation of Travelling Wire Electrochemical Spark Machining(TW-ECSM) of Epoxy Glass using One-Parameter at a time (OPAT), Proc. of 1st International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) at ITS Engineering College, Greater Noida, pp. 258-263 **(April-2015)**

72. Param Singh, **Vinod Yadava** and Audhesh Narayan, Experimental Study of Electrical Discharge Machining on Stainless Steel Workpiece using One-Parameter at a time (OPAT) Approach, Proc. of 1st International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) at ITS Eng. College, Greater Noida, pp. 233-239 **(April-2015)**

73. Sanjay Mishra and **Vinod Yadava**, Simulation of Hole Taper and Material Removal Rate due to Single Pulse Laser Beam Drilling, Proc. of 1st Int. Conf. on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) at ITS Engineering College, Greater Noida, pp. 245-251 **(April-2015)**

74. Ram Singar Yadav and **Vinod Yadava**, Comparative Study of Electrical Discharge Machining, Hybrid Abrasive Face and Peripheral Surface Grinding, Proc. of 6th International 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune (**Dec-2016**)
75. Vivek Kumar and **Vinod Yadava**, Development and Comparative Study of Electro-Chemical Spark Machining and Grinding Electro-Chemical Spark Machining, Proc. of 6th International 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune (**Dec-2016**)
76. Amit Singh, **Vinod Yadava** and V.R.Komma, Comparative Experimental Study of Performance of Magnetic Abrasive Machining and Electrolytic Magnetic Abrasive Machining, Proc. of 6th Int. 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune (**Dec-2016**)
77. Om Prakash Gupta, **Vinod Yadava** and Nand Kishore, Experimental Study of ECDM Process during Drilling of Hole in Glass Fiber Reinforced Epoxy Composite, Proc. of 6th International 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune **(Dec-2016**)
78. Priyanka Joshi, Amit Sharma, **Vinod Yadava** and Yashwant Kumar Modi, Multi-Objective Optimization of Kerf Quality Characteristics during Nd-YAG Laser Cutting of Ni-based Superalloy thin sheet using Hybrid Approach, Proc. of 6th International 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune (**Dec-2016**)
79. Basanta Kumar Bhuyan, **Vinod Yadava** and Pravabati Bhuyan, Development and Parametric Study of Travelling Wire Electro-Chemical Spark Machining Process for Machining of Borosilicate Glass, Proc. of 6th International and 27th All India Manufacturing Technology Design and Research Conference (AIMTDR-2016) at College of Engineering Pune (**Dec-2016**)
80. Om Prakash Gupta and **Vinod Yadava**, Machining of Borosilicate Glass by ECDM Process: Comparison of Machining Performance during Drilling and Sinking Holes, Proc. of 2nd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2016) at ITS Engineering College, Greater Noida (**April-2016**)
81. Amit Singh, **Vinod Yadava** and Venketeswar Rao Komma, Experimental Perspective of Electrolytic Magnetic Abrasive Machining: A Review, Proc. of 2nd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2016) at ITS Engineering College, Greater Noida (**April-2016**)
82. Param Singh, **Vinod Yadava** and Audhesh Narayan, Comparative Study of Hole Sinking Micro-EDM without and with Ultrasonic Vibration, 6th International and 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) at College of Engineering Pune **(December-2016)**
83. Param Singh, **Vinod Yadava** and Audhesh Narayan, Comparative Experimental Study of Drilling Micro-EDM Without and With Ultrasonic Vibration on Inconel 718 Superalloy, Proc. of International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2017) at IIT Madras (**December-2017)**

(D) PROCEEDINGS OF NATIONAL CONFERENCE PUBLICATIONS (44)

1. **Yadava, V.** and Kumar S., Availability Analysis of Pulping System in Paper Industry, Proc. of National Systems Conference, Anna University Madras, pp. 29-32 (**1993**).
2. **Yadava, V.** and Yadav, R.C., Maintenance Planning of Coal Handling System in a Thermal Power Plant, Proc. of National Convention of Production Engineers, Institution of Engineers Allahabad, A57-A66 (**1993**)
3. **Yadava, V.** and Yadav R.C., Behavioural Analysis of Coal Handling System in a Thermal Power Plant, Proc. of Int. Conf. on CAD, CAM, Robotics and Autonomous Factories, IIT Delhi (**1994)**
4. **Yadava V.** and Yadav U., Analysis and Optimization of Reliability of Steam Generating System in Thermal Power Plant, Proc. of National Seminar on Energy Management, Jointly Organized by MNREC, NTPC & IE Allahabad, A345-A353 (**1995**)
5. Arora, N., Kumar, D., **Yadava, V.**, Reliability Analysis and Maintenance Planning of Coal Conveyor System?, Proc. of All India Seminar on Advances in Industrial Engineering and Productivity Improvement Techniques, IE Allahabad, D13-D18 (**1995**)

6. **Yadava, V.**, Seelan REC and Chandra S., A Simplified Selection Procedure for Non-Conventional Machining Processes, Proc. of National Seminar on Emerging Trends in Design Engineering, IE Allahabad, II-183-192(**1997**)
7. **Yadava, V.,** Availability Analysis of Coal Handling System in a Thermal Power Plant, Proc. of National Workshop on Reliability, Availability and Maintainability Engineering for Thermal Power Plants, IIT Kanpur, Vol. 2, 165-178 (**1997**)
8. Yadav R. S. and **Yadava, V.,** Fuzzy-Neuro: A New Paradigm, Proc. of National Seminar on Fuzzy Technique Applications in Manufacturing and Engineering at AU College of Engineering Vishakhapatnam, pp. 113-122(**1998)**
9. **Yadava, V.** and Kumar Ram, Availability Analysis of Steam Generating System in Thermal Power Plant, Proc. of National Seminar on Reliability Analysis and Engineering, Centre for Aeronautical System Studies and Analysis at DRDO New Tippasandra, Bangalore, pp. 201 (**1998**)
10. **Yadava V.** and Jain V.K., Abrasive Electro-Discharge Grinding, Proc. of 18th All India Manufacturing Technology Design and Research Conference (AIMTDR-1998) at IIT Kharagpur (**1998**)
11. **Yadava V.** and Jain V. K., Modeling of Hybrid Machining: Abrasive Electro Discharge Grinding (EDAG) Process, Proc. of 19th All India Manufacturing Technology Design and Research Conference (AIMTDR-2000) at IIT Madras (**2000)**
12. **Yadava V.,** Singh Jeoot and Chauhan V.S. Computational Fluid Dynamics in Manufacturing: A State-of-Art Survey, Proc. of 20th All India Manufacturing Technology Design And Research Conference (AIMTDR-2002) at BIT Ranchi (**2002)**
13. **Yadava V.,** Jain, V.K. and Dixit, P.M. Temperature Determination in the Workpiece during Diamond Surface Grinding: FEM Approach, Proc. of 20th All India Manufacturing Technology Design And Research Conference (AIMTDR-2002) at BIT Ranchi (**2002)**
14. Vikash Kumar Singh, Ankush Kapare and **Vinod Yadava,** Determination of Temperature Distribution in Welding Zone During Electro-Chemical Discharge Micro-Welding using FEM, Nat. Conf. IPROMM-2005 at IIT Kharagpur (**2005)**
15. Avanish K. Dubey and **Vinod Yadava**, Application of Taguchi Method for Parametric Design during Nd:YAG Laser Cutting, Proc. of Nat. Conf. on Modeling and Simulation Techniques in Manufacturing Engineering Chennai **(Feb-2007)**
16. Amit Sharma, **Vinod Yadava** and Raghvendra Rao, Parameter Optimization of Straight and Curved Cutting of Thin Superalloy Sheet using Nd:YAG Laser, Proc. of Nat. Conf. on RAMTM-2010 at JU Kolkata, pp. 59-64**(Feb-2010)**
17. Shailendra Dayal and **Vinod Yadava**, Intelligent Modeling and Simulation of Sinking Electro-Discharge Machining (S-EDM), Proc. of National Conf. on RAMTM-2010 at JU Kolkata **(Feb-2010)**
18. A.K. Dubey, **Vinod Yadava** and G. Norkey, Experimental Investigation of Laser Cutting of Highly Reflective and Thermally Conductive Material, Proc. of the National Conference on Recent Advances in Manufacturing (RAM-2010) at SVNIT Surat **(July-2010**)
19. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Optimal parameter design for electro-discharge diamond face grinding using the Taguchi method, Proc. of the National Conference on Recent Advances in Manufacturing (RAM-2010) at SVNIT Surat, pp. 108-113**(July-2010**)
20. Amit Sharma and **Vinod Yadava**, Application of Taguchi Method in the Optimization of Process Parameters for Kerf Taper in Laser Cutting, Proc. of the Nat. Conf. on Recent Advances in Manufacturing at SVNIT Surat **(July-2010**)
21. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Application of Taguchi method for parametric design during electro-discharge diamond face grinding, Proc. of National Conference on Recent Advances in Manufacturing Technology and Management (RAMTM) at JU Kolkata, pp. 236-241**(Feb-2010)**
22. Sanjay Mishra, **Vinod Yadava** and Avanish Kumar Dubey, Experimental Study of laser Percussion Drilling- A Review, Proc. of the National Conference on Recent Advances in Manufacturing (RAM-2010) at SVNIT Surat **(July-2010**)
23. K.B.Judal and **Vinod Yadava**, Review of Research Work in Magnetic Abrasive Finishing Process, Proc. of the National Conference on Recent Advances in Manufacturing (RAM-2010) at SVNIT Surat **(July-2010**)
24. Amit Sharma, **Vinod Yadava,** Study of Optimal Process Parameters during Pulsed Nd: YAG Laser Cutting of Superalloy Thin Sheet using Taguchi's Matrix Method, Proc. of the National Conference on Advancements & Futuristic Trends in Mechanical and Industrial Engineering (AFTMIE-2010) at Bilaspur, Haryana, pp. 41-45(**Nov-2010)**
25. Gyanendra Kumar Singh, **Vinod Yadava** and Raghuvir Kumar, Multi-objective optimization of electro-discharge diamond face grinding process based on the Taguchi methodology, Proc. of the National Conference on Recent Advances in Manufacturing (RAM-2010) at SVNIT Surat, pp. 727-731**(July-2010**)
26. S.V.Viswanadh and **Vinod Yadava**, Machining of slots and channels by using Milling-Electrochemical Spark Micromachining (MECSMM), Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 331-333(**March-2012**)
27. Ravindra Nath Yadav and **Vinod Yadava**, Review on Electrical Discharge Diamond Grinding: A Hybrid Machining Process, Proc. of Nat. Conf. on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 322-330(**March-2012**)

28. D. K Pathak, **Vinod Yadava** and K.B Judal, Development of Vibration Assisted Cylindrical-Magnetic Abrasive Machining Setup, Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 274-278(**March-2012**)
29. P.S Balaji and **Vinod Yadava** ,Three Dimensional Numerical Simulation of Electro Discharge Diamond Surface Grinding (EDDSG), Proc. of National Conference on Advances in Manufacturing Technology at NITTTR pp. 310-315 Chandigarh (**March-2012**)
30. Deependra Singh, Piyush Bardia, Mohamed Iqram, Gautam Gupta, Mayank Sinha, Akshay Agarwal and **Vinod Yadava**, Development of Electrochemical Micromachining (ECMM) Setup, Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 316-321(**March-2012**)
31. Sanjay Mishra and **Vinod Yadava**, Prediction of Hole Radius and Material Removal Rate due to Single Pulse Laser Beam Drilling using Finite Element Method, Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 334-338(**March-2012**)
32. Basanta Kumar Bhuyan and **Vinod Yadava**, Development of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) Setup, Proc. of National Conference on Advances in Manufacturing Technology at NITTR Chandigarh, pp. 339-343(**March-2012**)
33. S. S Agarwal and **Vinod Yadava**, Artificial Neural Network Modeling of Electrical Discharge Diamond Surface Grinding (EDDSG) for Al-15wt.% SiCp Metal Matrix Composite Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh, pp. 268-273(**March-2012**)
34. Sanjeev Kumar Yadav and **Vinod Yadava**, Machining challenges with advanced engineering materials, Proc. of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur (**Aug-2012)**
35. R.N Yadav, **Vinod Yadava** and S.K.S Yadav, Production and Processing of Metal Matrix Composites (MMCs): Challenges and Opportunities, Proc. of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur (**Aug-2012**)
36. Basanta Kumar Bhuyan and **Vinod Yadava**, Experimental analysis of difficult to machine non-conductive materials using Traveling Wire Electro-Chemical Spark Machining Process, Proc. of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur, pp. 40-49(**Aug-2012)**
37. Ravindra Nath Yadav and **Vinod Yadava**, Electrical Discharge Grinding (EDG): A Review, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2012), YMCA University of Science and Technology Faridabad pp. 590-597(**Oct-2012**)
38. Basanta Kumar Bhuyan and **Vinod Yadava**, Machining Characteristics of Borosillicate Glass using Travelling Wire Electro-Chemical Spark Machining (TW-ESCM) Process, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering(TAME-2012), YMCA University of Science and Technology Faridabad, pp. 571-578(**Oct-2012**)
39. Shyam Sunder and **Vinod Yadava**, Modeling of Al-20wt% SiCp Metal Matrix Composite using Surface-Electrical Discharge Diamond Grinding Process, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering(TAME-2012), YMCA University of Science and Technology Faridabad, pp. 544-549(**Oct-2012**)
40. Arun Kumar Rout, **Vinod Yadava** and Anjani Kumar Singh, Development and Erosion Wear Assessment of Al/SiC Metal Matrix Composites using Taguchi Design of Experiment, Proc. of National Conf. on Advances in Manufacturing Technology at NITTTR Chandigarh **(May-2013)**
41. Shyam Sunder Agarwal and **Vinod Yadava**, Modeling of Surface-Electrical Discharge Diamond Grinding of Metal Matrix Composites, Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh **(May-2013)**
42. Umacharan Singh Yadav, **Vinod Yadava** and Ram Singar Yadav, Modeling of Surface-Electrical Discharge Diamond Grinding of Metal Matrix Composites, Proc. of National Conference on Advances in Manufacturing Technology at NITTTR Chandigarh **(May-2013)**
43. Amit Sharma, Amrit Shiwani, **Vinod Yadava,** Optimization of Kerf Deviation during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Curved Profile, Proc. of the National Conference on Emerging Frontiers in Mechanical Engineering, at HBTI Kanpur, pp. 113-118 (**Feb-2014)**
44. Pawan Kumar Yadav and **Vinod Yadava,** Formulation of Heat Flux in Friction Stir Welding, Proc. of the National Conf. on Emerging Frontiers in Mechanical Engineering, at HBTI Kanpur, pp. 113-118 (**Feb-2014)**