

# RESUME

**Name: Dr. Santanu Das**

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Kalyani Government Engineering College, Kalyani- 741 235, Nadia, West Bengal.**

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Web of Science Research ID: 1-6939-2013

Scopus ID: 55566847500

**Areas of Interest:** Manufacturing Technology: Machining, Grinding, Welding, Weld Cladding, Coating, Condition Monitoring, Production and Inventory Management, application of multi-criteria decision making methods, etc.

**Academic Qualification: Ph.D. (IIT, Kharagpur), M.M.E. (Jadavpur University), B.M.E. (Jadavpur University)**

**Title of Ph D Thesis: On Some On-Line Approaches for Condition Monitoring of Turning Inserts**

## **Awards Received:**

Awarded one of the **Best Papers** presented in the 4<sup>th</sup> International and 25th AIMTDR Conference, 2012 held at Jadavpur University, Kolkata, paper title being “Effect of using different methods of fluid application on grinding performance” authored by Sirsendu Mahata, Jayanta Mistri, Bijoy Mandal and Santanu Das.

Received a **Certificate of Award for Outstanding Contribution in Reviewing** for the Journal, Materials and Manufacturing Processes published by Taylor & Francis Group in December 2014 and in May 2017.

**Delivered the 17<sup>th</sup> Professor Hem Chandra Das Gupta Memorial Lecture** at West Bengal State Centre of the Institution of Engineers, India, Kolkata on May 25 2016 on “Thermal Problems Associated with Grinding and Some Ways to Tackle This”.

Received **‘Shiksha Ratna’ 2018 Award as an ‘Outstanding Teacher’** from Education Department, Government of West Bengal on September 05 2018.

**Delivered Engineer Soumitra Kumar De Memorial Lecture** on February 23 2019 on ‘Cladding: Applications, Advances and Some Research Experience’ in the Seminar, WELD 2019 on “Advances in Welding, Automation & Robotics for Cost Effective Manufacturing” organized by The Indian Institute of Welding, Kolkata Branch.

Recipient of **Production Division Award 2019** for publishing a paper in the Journal of the Institution of Engineers (India), Series C bearing the title, “Machining performance of hot-pressed carbon nanotube reinforced alumina cutting tool insert” authored by Snehashis Sarkar, Santanu Das, Soumya Sarkar and Probal Kumar Das in Volume 99, No.6, pp.693-699, 2018.

Recipient of the **Second Prize of Railway Board 2019** for publishing a paper in the Journal of the Institution of Engineers (India), Series C bearing the title, “An investigation on machinability during turning hardened steel in dry condition” authored by Krishnendu Mondal and Santanu Das in Volume 99, No.6, pp.637-644, 2018.

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**No. of Papers Published: Journal- 162, Book Chapter- 26, International Conference- 93,  
National Conference/ Seminar- 138, Workshop- 11, Magazine- 17, Short Term Training Course Papers: 09.**

**No. of Books Edited: 13, No. of Books Reviewed: 07.**

**No. of M.Tech Projects Guided: 136, No. of B.Tech Projects Guided: 100.**

**No. of Ph.D. Theses Guided: 08, No. of Ph.D. Students Guiding: 09.**

**Detail of Awarded Ph.D. Theses**

No.	Titles of the Ph.D. Theses	Student	Year	Guide(s)	University
1	Development of Different Fluid Delivery Techniques and its Effects on Grinding of Low Alloy Steel and Super Alloys	Bijoy Mandal	2012	Prof. Simul Banerjee and Prof. Santanu Das	Jadavpur University, Kolkata
2	On Some Approaches to Minimize Machining Burr Formation	Partha Pratim Saha	2013	Prof. Santanu Das	West Bengal University of Technology, Kolkata
3	Investigation on Titanium Silicon Nitride (TiSiN) Thin Films by Nanoindentation Characterization	Spandan Guha	2018	Dr. Bibhu Prasad Swain, Prof. Asish Bandyopadhyay and Prof. Santanu Das	Jadavpur University, Kolkata
4	Intelligent Decision Support Framework for Inventory Management	Bivash Mallick	2020	Prof. Bijan Sarkar and Prof. Santanu Das	Jadavpur University, Kolkata
5	Application of Slip-Line Field Theory and Finite Element Method for Analysis of Micro-Indentation of a Rigid Conical Wedge into a Semi-Infinite Plate and to Estimate Grinding Force Using Single Grit	Arup Kumar Biswas	2020	Dr. Sanjoy Das and Prof. Santanu Das	Kalyani University, Kalyani
6	Investigation on the Influence of Different Process Variables on the Quality of Stainless Steel Cladding on Corrosion-Prone Steels	Manas Kumar Saha	2021	Prof. Santanu Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kalyani

**Detail of Ph.D. Theses Submitted**

No.	Titles of the Ph.D. Theses	Student	Year	Guide(s)	University
1	Investigation on Grindability of Different Work-Wheel Combinations to Evaluate the Optimal Condition of Grinding Fluid Application	Sirsendu Mahata	2021	Prof. Santanu Das and Dr. Bijoy Mandal	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
2	Numerical Model Development of Bi-Metallic Sintering Process to Understand the Sinter Bonding	Sk. Tanbir Islam	2021	Prof. Himadri Chattopadhyay, Dr. Sudip Kumar Samanta and Prof. Santanu Das	Jadavpur University, Kolkata

**Detail of Ph.D. Theses Pre-Submission Made**

No.	Titles of the Ph.D. Theses	Student	Year	Guide(s)	University
1	Application of Group Technology and Line of Balance for Optimization of Production Scheduling and Enhancing Organisational Effectiveness	Biswanath Chakraborty	2021	Prof. Santanu Das	West Bengal University of Technology, Kolkata

### Detail of Ph.D. Candidates Guiding

No.	Topic of the Ph.D. Work	Student	Enrollment Year	Guide(s)	University
1	Development of an Appropriate Strategy for Inventory Management and Reengineering for a Pump Manufacturing Industry	Ankur Das	2017	Prof. Santanu Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
2	Exploring Appropriate Machining Condition to Achieve Desired Machinability while Turning Hard Steels	Krishnendu Mondal	2018	Prof. Santanu Das and Dr. Bijoy Mandal	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
3	Experimental Investigations on Weldability of Austenitic Stainless Steels used in Industrial Boilers using Gas Tungsten Arc Welding	Subhodwip Saha	2018	Dr. Subrata Mondal and Prof. Santanu Das	Jadavpur University, Kolkata
4	Steady State and Dynamic Behaviour of Finite Hydrodynamic Journal Bearings with Thin Porous Bush under Micropolar Lubrication	Ujjal Baidya	2019	Prof. Santanu Das and Dr. Sanjoy Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
5	An Investigation on the Application of Abrasive Jet Process in Drilling and Surface Preparation	Deb Kumar Adak	2019	Prof. Santanu Das and Dr. Barun Halder	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
6	Experimental Investigations on Weldability using Gas Tungsten Arc Welding	Samarendra Acharya	2020	Prof. Santanu Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
7	An Investigation on Machinability of Al-Mg <sub>2</sub> Si-Si Composite Using Different Cutting Tools	Dipanwita Biswas	2020	Prof. Santanu Das and Dr. Prosenjit Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata
8	An Investigation on Weldability of Al-Mg <sub>2</sub> Si-Si Metal Matrix Composite Using Tungsten Inert Gas Welding	Soumojit Dasgupta	2021	Prof. Santanu Das and Dr. Prosenjit Das	Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata

### Other Major Responsibilities Assumed

- 1) Secretary, Institute of Science, Education and Culture from July 2016 onwards
- 2) Acting Editor, Journal of the Association of Engineers, India [ISSN 0368-1106] since 2011 to March 2013
- 3) Editor, Journal of The Association of Engineers, India [ISSN 0368-1106] since June 2013 onwards
- 4) Council Member of The Association of Engineers, India [ISSN 0368-1106] since June 2013 onwards
- 5) Chief Editor, Indian Welding Journal [ISSN 0046-9092] from January 2016 issue onwards
- 6) Editor, REASON- A Technical Journal (Previously, REASON- A Technical Magazine) [ISSN 2277-1654] from 2009 issue to 2016, 2018-2019 issues
- 7) One of the Editors, Indian Science Cruiser [ISSN 0970-4256] since May 2012 onwards
- 8) Managing Editor, Indian Science Cruiser [ISSN 0970-4256] since March 2020 onwards
- 9) Editor-in-Chief, Bulletin of the Association of Machines and Mechanisms since February 2014 to July 2019
- 10) Council Member, Indian Institute of Welding since June 2010 as the Chairman, Welding Education Committee
- 11) President, the Indian Institution of Industrial Engineering, Kolkata Chapter since 2018
- 12) Was Vice President, Institute of Science, Education and Culture during July 2013- July 2016
- 13) Worked as the Coordinator (Membership) of SAEINDIA- Eastern India Section during 2001-2004.

- 14) Chairman, Institute Management Committee of Government ITI, Fulia and BPC Govt. ITI, Krishnanagar as nominated by The Indian Institute of Welding.
- 15) Was a Member, General Council and Executive Council, Maulana Abul Kalam Azad University of Technology, West Bengal (formerly, West Bengal University of Technology), Salt Lake City, Kolkata from 2012 to 2016
- 16) Member, Governing Body of Kalyani Government Engineering College, Kalyani since 2005 to 2019
- 17) Acting as the Coordinator, M.Tech in Production Engineering course conducted by the Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani since 2003
- 18) Member, Board of Governors, Sanaka Education Trust's Institute of Engineering & Industrial Technology, Kaksa, Durgapur- 713212, West Bengal as a State Government Nominee since 2012
- 19) Working as a Member, UG and PG Board of Studies (Mechanical, Automobile, Power and Production Engineering), Maulana Abul Kalam Azad University of Technology, West Bengal (formerly, West Bengal University of Technology), Salt Lake City, Kolkata
- 20) Working as a Member, Ph.D. Committee of Maulana Abul Kalam Azad University of Technology, West Bengal, Kolkata since February 2017
- 21) Member of the Governing Body of Elitte College of Engineering, Sodepur since March 2018 as nominated by the Vice Chancellor, MAKAUT, WB
- 22) Member of the Governing Body of Global Institute of Management and Technology, Krishnagar since September 2019
- 23) Member Review Board, Journal of the Athens Journal of Technology and Engineering [ISSN: 2241-8237- online], published by Athens Institute for Education and Research, Ethence, Greece.
- 24) Member, International Editorial Board, Jurnal SPEKTA, published by Ahmad Dahlan University, Indonesia since 2021.
- 25) Member, Editorial Board, Exploratory Materials Science Research, published by Knowledge Empowerment Foundation since July 2020.
- 26) Member, Editorial Board, AES Journals published by Amoghsiddhi Education Society (AES), Sangli, Maharashtra, India since March 2012.
- 27) Member of the Academic Council, MCKV Institute of Engineering, Liluah, Howrah since 2020.
- 28) Organised three National Conferences at Kalyani Govt. Engineering College, Kalyani as the Convener, as detailed below-
  - i) Conference on Advances and Recent Trends in Manufacturing (CARTM-2003) held on November 14-15 2003
  - ii) National Conference on Trends and Advances in Computer Aided Design and Engineering (TACADE-2007) held on February 16-17 2007
  - iii) National Conference on Trends and Advances in Mechanical Engineering (TAME-2019) held on February 15-16 2019
- 29) Delivered 76 Invited/ Expert Lectures within India and abroad

### **Membership**

- 1) Life Fellow of the Institution of Engineers (India)
- 2) Life Fellow of the Association of Engineers, India
- 3) Life Member of Indian Society for Technical Education
- 4) Life Member of the Indian Institute of Welding
- 5) Life Member of Association for Machines and Mechanisms
- 6) Life Member of the Institute of Science, Education and Culture
- 7) Life Member of Indian Science News Association
- 8) Life Member of Indian Science Congress Association
- 9) Life Member of Investment Casting Society of India
- 10) Life Senior Member of the Indian Institution of Industrial Engineering
- 11) On-Line Community Member of the AHP Academy
- 12) Academic Member of the Athens Institute for Education and Research
- 13) Life Member of the Alumni Association, N.C.E. Bengal and Jadavpur University, Kolkata
- 14) Member, Kalyani Morning Club, Kalyani
- 15) Life Member of Antorjatik Bangla Bhasha- Sanskriti Samiti, New Delhi
- 16) Founder Member, Research Cooperative

**Projects (Externally Funded/ Collaborative) Executed by Prof. Dr. Santanu Das**

Sl. No.	Title of the Project	Funding or Collaborating Organisation	Type of Project	Tenure of Project	Involvement of Prof. Dr. Santanu Das	Grant Received (Rs.)
1	Design of a Post Processor for CNC Lathe and Milling Machine	Tata Institute of Fundamental Research, Mumbai	Collaborative Project carried out at TIFR, Mumbai by students	6 months (January-June, 1998)	Guided the project	Nil
2	Stepped Threading for Self Locking of Screw and Nut	AICTE, New Delhi	Research and Development (R and D) Project	2 years (2000-2002)	Principal Investigator	4.5 lakh
3	Setting up Mechatronics Lab in Mechanical Engineering Lab	AICTE, New Delhi	MODROBS Project	2 years (2003-2005)	Principal Investigator	3.83 lakh
4	Selective Control Technique Applied in a Manufacturing Industry for Inventory Management	Phoenix Yule Limited, Kolkata/ Kalyani	Collaborative Project done an M.Tech (Production Engineering) student	1 year (2006-2007)	Guided the project as one of the two guides	Stipend awarded by the company to the student.
5	Upgradation of Mechatronics Lab in Mechanical Engineering Department	AICTE, New Delhi	MODROBS Project	1 year (2011-2012)	Principal Investigator	9.5 lakh
6	National Environment Awareness Campaign: 2010-11: A Workshop on Biodiversity Conservation and Plantation Programme	Ministry of Environment Science, Govt. of India	National Environment Awareness Campaign (NEAC: 2010-11)	Within 2010-2011	Co-Investigator	0.1 lakh
7	Flow Investigation in a Rectangular Curved Diffuser	AICTE, New Delhi	RPS Project	Executed since 2012 up to March 2015	Principal Investigator	10.5 lakh

**Publications Authored by Dr. Santanu Das**  
**Journal/ Book Chapter Papers**

No.	Authors	Title	Journal	Details
1	Santanu Das, R. Roy and A.B. Chattopadhyay	Evaluation of wear of turning carbide inserts using neural networks	International Journal of Machine Tools and Manufacture [ISSN: 0890-6955- Print]	Vol.36, No.7, pp.789-797, 1996
2	Santanu Das, A.B. Chattopadhyay and A.S.R. Murthy	Force parameters for on-line tool wear estimation: a neural network approach	Neural Networks [ISSN: 0893-6080- Print]	Vol.9, No.9, pp.1639-1645, 1996
3	Santanu Das, P.P. Bandyopadhyay and A.B. Chattopadhyay	Neural-networks-based tool wear monitoring in turning medium carbon steel using a coated carbide tool	Journal of Materials Processing Technology [ISSN: 0924-0136- Print]	Vol.63, No.1-3, pp.187-192, 1997
4	Santanu Das, R. Islam and A.B. Chattopadhyay	A simple approach for on-line tool wear monitoring using the analytic hierarchy	Proceedings of the Institution of Mechanical Engineers, Part-B,	Vol.211, No.B1, pp.19-27, 1997

		process	Journal of Engineering Manufacture [ISSN: 0954-4054-Print, 2041-2975 Online]	
5	Santanu Das and A.B. Chattopadhyay	Application of the analytic hierarchy process for estimating the state of tool wear	International Journal of Machine Tools and Manufacture [ISSN: 0890-6955- Print]	Vol.43, No.1, pp.1-6, 2003
6	A. Bhattacharya, Santanu Das and A. Batish	Estimating the effect of cutting parameters on surface finish during high speed machining of AISI 1045 steel using Taguchi design and ANOVA	Manufacturing Technology Today [ISSN: 0972-7396- Print, 1863-7353- Online]	Vol.7, No.11, pp.15-20, 2008
7	K. Sabiruddin, Santanu Das and A. Bhattacharya	Application of the analytic hierarchy process for optimisation of process parameters in GMAW	Indian Welding Journal [ISSN: 0046-9092- Print]	Vol.42, No.1, pp.38-46, 2009
8	A. Bhattacharya, Santanu Das, P. Majumder and A. Batish	Estimating the effect of cutting parameters on surface finish and power consumption during high speed machining of AISI 1045 steel using Taguchi design and ANOVA	Production Engineering Research and Development [ISSN: 0944-6524- Print]	Vol.3, No.1, pp.31-40, 2009
9	A. Bhattacharya, A. Sen and Santanu Das	An investigation on the anti-loosening characteristics of threaded fasteners under vibratory conditions	Journal of Mechanism and Machine Theory [ISSN: 0094-114X- Print]	Vol.45, No.8, pp.1215-1225, 2010.
10	B. Mandal, S. Majumdar, Santanu Das and S. Banerjee	Predictive modeling and investigation on the formation of stiff air-layer around the grinding wheel	Advanced Materials Research: Advances in Materials and Processing Technologies [ISSN: 1662-8985- Online]	Vol.83-86, pp.654-660, 2010
11	P. P. Saha and Santanu Das	An investigation on the effect of machining parameters and exit edge beveling on burr formation in milling	Journal of Mechatronics and Intelligent Manufacturing [ISSN: 1949-4904- Print]	Vol.2, No.1/2, pp.73-84, 2011
12	B. Mandal, S. Majumdar, Santanu Das and S. Banerjee	Formation of a significantly less stiff air layer around a grinding wheel with a rexine leather pasted wheel	International Journal of Precision Technology [ISSN: 1755-2060-Print, 1755-2079 Online]	Vol.2, No.1, pp.12-20, 2011
13	B. Mandal, R. Sing, Santanu Das and S. Banerjee	Improving grinding performance by controlling air flow around a grinding wheel	International Journal of Machine Tools and Manufacture [ISSN: 0890-6955- Print]	Vol.51, No.9, pp.670-676, 2011
14	P. Pratim Saha and Santanu Das	Burr minimization in face milling: An edge beveling approach	Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture [ISSN: 0954-4054-Print, 2041-2975 Online]	Vol.225, No.9, pp.1528-1534, 2011
15	A. Das, P.P. Saha and Santanu Das	Minimization of burr formation in milling of nickel chrome alloy steel: through appropriate selection of in-plane exit angle	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.25, No.5, pp.43-49, 2011
16	P.P. Saha, A. Das and Santanu Das	Burr minimization in shaping En25 steels : using experimental and stress analysis techniques	International Journal of Manufacturing Technology and Industrial Engineering [ISSN: 0976-6251- Print]	Vol.2, No.2, pp.61-65, 2011
17	S.K. Ghosh, N.P. Mukhrejee, A.B. Chattopadhyay and Santanu Das	Studying of the performance of cutting tools during turning of austempered ductile iron	Manufacturing Technology Today [ISSN: 0972-7396- Print]	Vol.10, No.1, pp.15-20, 2011

18	A. Sarkar and Santanu Das	Application of Gray-based Taguchi method for optimizing gas metal arc welding of stainless steels	Indian Welding Journal [ISSN: 0046-9092- Print]	Vol.44, No.1, pp.37-48, 2011
19	A. Das, P. Mondal, S. Samanta, Santanu Das and S. Mahata	Burr minimization in milling: through proper selection of in-plane exit angle	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.81, pp.38-47, 2011
20	C. Mondal, S. Bhattacharya and Santanu Das	Parametric optimization of spot welding of 17-4 PH stainless steels using the analytic hierarchy process	Indian Welding Journal [ISSN: 0046-9092- Print]	Vol.44, No.4, pp.69-78, 2011
21	N. Biswas and Santanu Das	Selection of process parameters for welding P91 steel pipes using the analytic hierarchy process	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.7-12, 2011
22	D. Das and Santanu Das	Developments in weld cladding	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.13-16 2011
23	A.K. Biswas and Santanu Das	Comparative study of force analysis and heat generation in grinding	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.17-20, 2011
24	P.P. Saha and Santanu Das	Towards minimization of foot formation of EN25 steel flats	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.27-30, 2011
25	B. Chakrabarti and Santanu Das	Recent research works on burr minimization in milling	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.31-36, 2011
26	S. Mahata, J. Mistri, B. Mandal and Santanu Das	Coolants and their role in grinding	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.41-44, 2011
27	A.K. Verma and Santanu Das	A brief overview on cladding techniques with a reference to weld cladding using gas metal arc welding	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.45-48, 2011
28	A. Dey and Santanu Das	An overview on burr formation, its minimization and deburring process	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.10, pp.49-54, 2011
29	B. Mandal, R. Sing, Santanu Das and S. Banerjee	Development of a grinding fluid delivery technique and its performance evaluation	Materials and Manufacturing Processes [ISSN: 1042-6914- Print, 1532-2475- Online]	Vol.27, No.4, pp.436-442, 2012
30	A. Das, P.P. Saha and Santanu Das	Burr minimization in shaping of aluminium alloy- through experimental and stress analysis approach	International Journal of Applied Mechanics and Materials [ISSN: 1662-7482- Online]	Vol.117-119, pp.1602-1605, 2012
31	B. Mallick, O.N. Dutta and Santanu Das	A case study on inventory management using selective control techniques	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.82, No.1-2, pp.10-24, 2012
32	P.P. Saha and Santanu Das	An experimental approach to investigate the effect of process conditions on exit burr formation in shaping an aluminium alloy	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.82, No.1-2, pp.52-60, 2012
33	S. Samanta, S. Das, R. Roy, K. Bhukta, A. Pal and Santanu Das	Comparison of anti-loosening characteristics of various M14 threaded fasteners	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.26, No.6, pp.22-27, 2012
34	S. Samanta, S. Das, R. Roy, K. Bhukta, A. Pal and Santanu Das	Comparison of loosening characteristics of 3/8 BSW threaded fasteners under accelerated vibratory condition	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.82, No.3-4, pp.34-43, 2012
35	M.K. Saha, Santanu	Application of L6 orthogonal array for	Indian Welding Journal	Vol.45, No.4,

	Das, A. Bandyopadhyay and S. Bandyopadhyay	optimal selection of some process parameters in GMAW process [DOI:10.22486/iwj.v45i4.141203]	[ISSN: 0046-9092- Print]	pp.41-50, 2012
36	D. Biswas, A. Sarkar, B.Mandal and Santanu Das	Exploring grindability of titanium grade 1 using silicon carbide wheel	Reason- A Technical Magazine [ISSN: 2277-1654- Print]	Vol.11, pp.39-46, 2012
37	B. Mandal, D. Biswas, A. Sarkar, Santanu Das and S. Banerjee	Improving grindability of Inconel 600 using alumina wheel through pneumatic barrier assisted fluid application	Advanced Materials Research: Manufacturing Science and Technology III [ISSN: 1662-8985- online]	Vol.622-623, pp.394-398, 2013
38	B.Mandal, D. Biswas, A. Sarkar and Santanu Das	Grinding performance using a compound nozzle characterized by small discharge of fluid	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.83, No.1, pp.28-35, 2013
39	Md. Ismail, A. Bandyopadhyay and Santanu Das	Parametric optimization of submerged arc welding using L9 orthogonal array	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.83, No.1, pp.43-55, 2013
40	P.P. Saha, A. Das and Santanu Das	On reduction of formation of burr in face milling of 45C8 steels	Materials and Manufacturing Processes [ISSN: 1042-6914- Print, 1532-2475- Online]	Vol.28, No.5, pp.550-556, 2013
41	B. Chakrabarti, H. Das, Santanu Das and T.K. Pal	Effect of process parameters on clad quality of duplex stainless steel using GMAW process [DOI: 10.1007/s12666-013-0246-x]	Transactions of Indian Institute of Metals [ISSN: 0972-2815- Print, 0975-1645- Online]	Vol.66, No.3, pp.221-230, 2013
42	K.C. Ghanta and Santanu Das	Neural networks based modeling of viscosity for facilitating transportation of magnetite ore-water slurry	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.83, No.2, pp.43-54, 2013
43	A. Karmakar, S. Chakraborty, U. Mandal and Santanu Das	An experimental investigation on chemical deburring to remove drilling burr	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.83, No.2, pp.78-89, 2013
44	S. Bandyopadhyay and Santanu Das	Evaluation of drilling performance of unsaturated resin	Asian Journal of Engineering and Applied Technology [ISSN: 2249-068X- Print]	Vol.2, No.2, pp.29-34, 2013
45	A.K. Verma, B.C. Biswas, P. Roy, S. De, S. Saren and Santanu Das	Exploring quality of austenitic stainless steel clad layer obtained by metal active gas welding [DOI:10.24906/isc/2013/v27/i4/177608]	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.27, No.4, pp.24-29, 2013
46	B. Mandal, D. Biswas, A. Sarkar, Santanu Das and S. Banerjee	Improving grindability of titanium Gr. 1 using a pneumatic barrier	Reason- A Technical Journal [ISSN: 2277-1654- Print]	Vol.12, pp.37-45, 2013
47	P.P. Saha and Santanu Das	Reducing shaping burr by beveling exit edge of 45C8 steel	Reason- A Technical Journal [ISSN: 2277-1654- Print]	Vol.12, pp.52-60, 2013
48	S. Mahata, J. Mistri, B. Mandal and Santanu Das	A comparative study of grinding performance using different fluid delivery techniques	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.83, No.3-4, pp.63-70, 2013
49	P.P. Saha and Santanu Das	Experimental observation on reduction of foot formation of 4600-M aluminium alloy in shaping	International Journal for Scientific Research & Development [ISSN: 2321-0613- online]	Vol.1, No.9, pp.1913-1916, 2013



50	K. Sabiruddin, S. Bhattacharya and Santanu Das	Selection of appropriate process parameters for gas metal arc welding of medium carbon steel specimens [DOI: 10.13033/ijahp.v5i2.184]	International Journal of Analytic Hierarchy Process [ISSN: 1936-6744- online]	Vol.5, No.2, pp.252-267, 2013
51	B. Mandal, G.C. Das, Santanu Das and S. Banerjee	Improving grinding fluid delivery using pneumatic barrier and compound nozzle	Production Engineering Research and Development [ISSN: 0944-6524- Print, 1863-7353- Online]	Vol.8, No.1-2, pp.187-193, 2014
52	N. Mondal, B. Sing Sardar, R.N. Halder and Santanu Das	Observation of drilling burr and finding out the condition for minimum burr formation	International Journal of Manufacturing Engineering [ISSN: 2356-7023- Online]	Vol.2014, pp.1-12, 2014
53	S. Mahata, B. Mandal, J. Mistri and Santanu Das	Effect of fluid concentration using a multi-nozzle on grinding performance	International Journal Abrasive Technology [ISSN: 1752-2641- Print, 1752-265X- Online]	Vol.6, No.4, pp.257-268, 2014
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147	Nripen Mondal, Madhab Chandra Mandal, Bishal Dey and Santanu Das	Genetic algorithm-based drilling burr minimization using adaptive neuro-fuzzy inference system and support vector regression (DOI: <a href="http://dx.doi.org/10.1177/0954405419889183">http://dx.doi.org/10.1177/0954405419889183</a> )	Proc. IMechE, Part B, Journal of Engineering Manufacture [ISSN: 0954-4054- Print, 2041-2975- Online]	Vol.234, No.5, pp.956-9968, 2020. Published online on 03-12-2019
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149	Suman Saha and Santanu Das	Application of activated tungsten inert gas (A-TIG) welding towards improved weld bead morphology in stainless steel specimens	Annual Technical Volume of Production Division Board of The Institution of Engineers (India) (ISBN: 978-81-942561-3-7)	Vol.IV, pp.13-23, 2019
150	Deb Kumar Adak,	Experimental investigation on surface	Annual Technical Volume of	Vol.IV, pp.57-



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151	Arup Kumar Biswas, Santanu Das and Sanjoy Das	Comparisons extensions of plastic zones for micro-indentation of a rigid wedge to a semi-infinite block by finite element analysis and numerical slip-line field techniques (DOI: 10.24906/isc/2019/v33/i6/191730)	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.33, No.6, pp.48-52, 2019
152	Chandan Mukherjee, Debashish Biswas, Ardendu Laha, Souvik Chatterjee, Atanu Pandit and Santanu Das	Development and investigation of mechanical properties of date palm fibre reinforced polyester composites (DOI: 10.22485/iaei/2019/v89/i3-4/194806)	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.89, No.3-4, pp.5-9, 2019
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154	Rajib Das, Bijoy Mandal and Santanu Das	An investigation on deburring performance for drilling burr removal using EDM (DOI: 10.22485/iaei/2019/v89/i3-4/194812)	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.89, No.3-4, pp.35-43, 2019
155	Ankur Das and Santanu Das	Application of a multi criteria inventory control technique over conventional abc analysis in a pump manufacturing organization (DOI: 10.22485/iaei/2019/v89/i3-4/194813)	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.89, No.3-4, pp.44-53, 2019
156	Rajiv Ranjan Singh, Sujit Majumdar and Santanu Das	Air flow field around the grinding wheel (10.21843/reas/2018/25-32/195547)	Reason- A Technical Journal [ISSN: 2277-1654]	Vol.XVII, pp.25-32, 2018
157	Subhajit Bhattacharya, Kazi Sabiruddin and Santanu Das	Optimization of process parameters for gmaw of high carbon steel using topsis (10.21843/reas/2018/25-32/195546)	Reason- A Technical Journal [ISSN: 2277-1654]	Vol.XVII, pp.12-24, 2018
158	Avishek Mukherjee, Monojit Layek, Swarup Jana, Bisal Karmakar and Santanu Das	Development and performance testing of a magnetic reciprocating engine (10.21843/reas/2018/33-47/195548)	Reason- A Technical Journal [ISSN: 2277-1654]	Vol.XVII, pp.33-47, 2018
159	Prabas Banerjee, Prosenjit Das, Santanu Das and Tanbir Islam	Microscale Crack Growth Studies in Rheocast A356 (Al-Si-Mg) Alloy Using Extended Finite Element Method (DOI: 10.24906/isc/2020/v34/i1/195951)	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.34, No.1, pp.30-38, 2020
160	Manas Kumar Saha and Santanu Das	Weld bead profile of duplex stainless steel bead on E350 low alloy steel plate done by FCAW using 100% CO <sub>2</sub> as shielding gas (DOI: 10.22485/jaei/2020/v90/i1-2/205383)	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.90, No.1-2, pp.28-38, 2020
161	Sirsendu Mahata, Manish Mukhopadhyay, Arnab Kundu, Ayan Banerjee, Bijoy Mandal and Santanu Das	Grinding titanium alloys applying small quantity lubrication (DOI: 10.1007/s42452-020-2792-2)	SN Applied Sciences [ISSN: 2523-3963- Print] [eISSN: 2523-3971]	Vol.2, No.5, pp.978/1-11, 2020

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163	Ujjal Baidya, Sanjoy Das and Santanu Das	Analyzing short porous hydrodynamic journal bearing numerically considering micropolar lubrication and isotropic roughness (DOI: 10.22485/jaei/2020/v90/i1-2/205386)	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.90, No.1-2, pp.56-73, 2020
164	Soumak Bose and Santanu Das	Variation of geometry of weld bead using 316 stainless steel wire electrode on low alloy steel under different process parameters	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	Vol.90, No.3-4, pp.?-?, 2020 (Accepted)
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166	Arup Kumar Biswas, Santanu Das and Sanjoy Das	Square grid deformation in wedge indentation: a new mathematical approach (DOI: 10.1007/s42452-020-3054-7)	SN Applied Sciences [ISSN: 2523-3963- Print] [eISSN: 2523-3971]	Vol.2, No.7, pp.1216/1-10, 2020
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168	Suman Saha and Santanu Das	Effect of polarity and oxide fluxes on weld bead geometry in activated tungsten inert gas (A-TIG) welding (DOI: 10.5781/JWJ.2020.38.4.7)	Journal of Welding and Joining [ISSN: 2466-2232- Print, 2466-2200- Online]	Vol.38, No.4, pp. 380-388, 2020. Published online on July 14 2020
169	Sirsendu Mahata, Manish Mukhopadhyay, Ayan Banerjee, Arnab Kundu, Bijoy Mandal and Santanu Das	Exploring grindability of Ti-6Al-4V using an indigenously developed environment friendly micro pump based cooling system [http://nopr.niscair.res.in/handle/123456789/55236]	Indian Journal of Engineering & Materials Sciences [ISSN: 0971-4588- Print, 0975-1017- Online]	Vol.27, No.3, pp. 724-729, 2020
170	Debjit Misra, Santanu Das, Nripen Mondal and Partha Pratim Saha	Estimation of drilling burr formation with artificial neural network analysis (DOI: 10.24906/isc/2020/v34/i3/203785)	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.34, No.3, pp.23-31, 2020
171	Biswanath Chakraborty and Santanu Das	Introducing a new supply chain management concept by hybridizing TOPSIS, IoT and cloud computing (DOI: 10.1007/s40032-020-00619-x)	Journal of the Institution of Engineers (India), Series C [ISSN: 2250-0545- Print, 2250-0553- Online]	Vol.102, No.1, pp.109-119, 2021. Published online: September 23, 2020.
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174	Sirsendu Mahata, Manas Bhattacharya, Bijoy Mandal and Santanu Das	A novel small quantity lubrication method to assess grindability of inconel 718 (DOI: <a href="http://dx.doi.org/10.1007/978-981-32-9417-2_13">http://dx.doi.org/10.1007/978-981-32-9417-2_13</a> )	Advances in Forming, Machining and Automation in the Series: Lecture Notes on Multidisciplinary Industrial Engineering [ISBN: 978-981-32-9416-5- Print][ISBN: 978-981-32-9417-2- Online]	Chapter 13, pp.165-176, 2019
175	Manish Mukhopadhyay, Souvik Chatterjee, Pranab Kumar Kundu and Santanu Das	Effect of dressing infeed on alumina wheel during for grinding Ti-6Al-4V under varying grinding depth of cut (DOI: <a href="http://dx.doi.org/10.1007/978-981-32-9417-2_46">http://dx.doi.org/10.1007/978-981-32-9417-2_46</a> )	Advances in Forming, Machining and Automation in the Series: Lecture Notes on Multidisciplinary Industrial Engineering [ISBN: 978-981-32-9416-5- Print][ISBN: 978-981-32-9417-2- Online]	Chapter 46, pp.551-560, 2019
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177	Arjun Karmakar, Debarpan Ghosh, Deb Kumar Adak, Bijoy Mandal, Santanu Das, Ahmed M. and Barun Haldar	Abrasive jet machining of soda lime glass and laminated glass using silica sand (DOI: <a href="http://dx.doi.org/10.1007/978-981-32-9471-4_14">http://dx.doi.org/10.1007/978-981-32-9471-4_14</a> )	Advances in Unconventional Machining and Composites in the Series: Lecture Notes on Multidisciplinary Industrial Engineering [ISBN: 978-981-32-9470-7- Print][ISBN: 978-981-32-9471-4- Online]	Chapter 14, pp.163-178, 2020
178	Soumak Bose and Santanu Das	Experimental investigation on bead-on-plate welding and cladding using pulsed gtaw process (DOI: <a href="http://dx.doi.org/10.22486/iwj.v54i1.205482">http://dx.doi.org/10.22486/iwj.v54i1.205482</a> )	Indian Welding Journal [ISSN: 0046-9092- Print]	Vol.54, No.1, pp.64-76, 2021
179	Arup K. Biswas, Santanu Das and Sanjoy Das	Estimation of hardness of indentation made with a conical indenter using numerical slip-line field technique (DOI: <a href="http://dx.doi.org/10.20910/IJASE.2020.7.2.1">http://dx.doi.org/10.20910/IJASE.2020.7.2.1</a> )	International Journal of Aerospace System Engineering [ISSN: 2383-4986][eISSN: 2508-7169]	Vol.7, No.2, pp.1-5, 2020
180	Avishek Mukherjee and Santanu Das	A simple online tool condition monitoring system using artificial neural networks (DOI: 10.1088/1757-899X/1080/1/012021)	IOP Conf. Series: Materials Science and Engineering [ISSN: 1757-8981][eISSN: 1757-899x]	Vol.1080, No.012021, 2021
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	Das and Barun Haldar	(DOI:10.1088/1757-899X/1080/1/012020)	1757-8981][eISSN: 1757-899x]	
182	Suman Saha, Bashab Chandra Paul and Santanu Das	Productivity improvement in butt joining of thick stainless steel plates through the usage of activated TIG welding (DOI: 10.1007/s42452-021-04409-7)	SN Applied Sciences [ISSN: 2523-3963- Print][eISSN: 2523-3971]	Vol.3, No.416, pp.416/1-10, 2021. Published online on March 04 2021
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184	Tapas Bera and Santanu Das	Application of artificial neural networks in predicting output parameters of gas metal arc welding of dissimilar steels (DOI: 10.24906/isc/2021/v35/i3/209194)	Indian Science Cruiser [ISSN: 0970-4256- Print]	Vol.35, No.3, pp.26-30, 2021
185	Jaydeep Mondal, Manas Kumar Saha and Santanu Das	Investigation on corrosion resistance of 316 $\gamma$ stainless steel clad constructional steel	Manufacturing Technology Today [ISSN: 0972-7396]	Vol.20, No.3-4, pp.8-16, 2021
186	Sk Tanbir Islam, Sudip Kumar Samanta, Aditya Kumar Lohar, Santanu Das and Asish Bandyopadhyay	Thermal and rheological behaviour of a wax based binder and an alumina feedstock for micro-PIM application (DOI: 10.1007/978-981-16-2347-9_21)	Lecture Notes in Mechanical Engineering: Advances in Thermal Engineering, Manufacturing, and Production Management- Select Proceedings of ICTEMA 2020 [ISSN: 2195-4356][eISSN: 2195-4364][ISBN: 978-981-16-2346-2][eBook ISBN: 978-981-16-2347-9] Springer Nature Singapore Pte. Ltd. publication	Vol. XVII, pp.245-258, 2021
187	Arup K. Biswas, Santanu Das and Sanjoy Das	Studies of lip profiles for micro-indentation of a frictionless rigid wedge into a semi-infinite plate by numerical slip-line field techniques and finite element analysis (DOI: 10.1007/978-981-16-2347-9_26)	Lecture Notes in Mechanical Engineering: Advances in Thermal Engineering, Manufacturing, and Production Management- Select Proceedings of ICTEMA 2020 [ISSN: 2195-4356][eISSN: 2195-4364][ISBN: 978-981-16-2346-2][eBook ISBN: 978-981-16-2347-9] Springer Nature Singapore Pte. Ltd. publication	Vol. XVII, pp.245-258, 2021
188	Sagnik Choudhury, Debasish Biswas and Santanu Das	Numerical simulation of welding for residual stress prediction of low carbon steel (DOI: 10.1007/978-981-16-2347-9_27)	Lecture Notes in Mechanical Engineering: Advances in Thermal Engineering, Manufacturing, and Production Management- Select Proceedings of ICTEMA 2020 [ISSN: 2195-4356][eISSN: 2195-4364][ISBN: 978-981-16-2346-2][eBook ISBN: 978-981-16-2347-9] Springer Nature Singapore Pte. Ltd. publication	Vol. XVII, pp.245-258, 2021

## Conference Papers

<b>INTERNATIONAL CONFERENCE</b>				
<b>No.</b>	<b>Authors</b>	<b>Title</b>	<b>Conference/ Seminar</b>	<b>Details</b>
1	Santanu Das and A.B. Chattopadhyay	On-line tool wear monitoring with multiple regression and GMDH algorithm	Proceedings of the International Conference on Automation, Indore, India	pp.521-525, 1995
2	Santanu Das, P.P. Bandyopadhyay and A.B. Chattopadhyay	Neural networks based tool wear monitoring in turning medium carbon steel by coated carbide tool	3 <sup>rd</sup> Asia Pacific Conference on Material Processing, Hong Kong (Revision Published in Journal of Materials Processing Technology)	1996
3	Santanu Das	On wear monitoring of TiN coated tools- part I: with GMDH algorithm	Proceedings of the 14 <sup>th</sup> International Conference on Robotics and Factories of the Future (CAR & FOF 1998), Coimbatore, India	pp.625-636, 1998.
4	Santanu Das	On wear monitoring of TiN coated tools- part II: with neural networks	Proceedings of the 14 <sup>th</sup> International Conference on Robotics and Factories of the Future (CAR & FOF 1998), Coimbatore, India	pp.645-653, 1998.
5	Santanu Das, A.O. Sharma, S.S. Singh and S.V. Nahate	Grinding performance through effective application of grinding fluid	Proceedings of the International Conference on Manufacturing (ICM 2000), Dhaka, Bangladesh	pp.231-239, 2000.
6	P.K. Kunda, Santanu Das, S. Sinha and P.P. Chowdhury	On grinding wheel performance in dry and wet conditions	Proceedings of the 4 <sup>th</sup> International Conference on Mechanical Engineering (ICME 2001), Dhaka, Bangladesh	Vol. IV, pp.V19-V24, 2001.
7	S. Jash, S. Das, A. Dasgupta, A.K. Jha and Santanu Das	Parameter dependence of die sinking electric discharge machining	Souvenir of 46 <sup>th</sup> Congress of ISTAM (An International Meet), Hamirpur, India	pp.159-160, 2001.
8	S. Chatterjee and Santanu Das	Micro-electric discharge machining in standard set up	Proceedings of the 35th International MATADOR Conference, Taiwan	pp.77-80, 2007.
9	P.P. Saha, D. Das and Santanu Das	Effect of edge beveling on burr formation in face milling	Proceedings of the 35th International MATADOR Conference, Taiwan	pp.199-202, 2007.
10	P.S. Mahanty, B.N. Mondal and Santanu Das	Development and performance testing of toughened alumina ceramic cutting tool	Proceedings of the International Conference on Advanced Manufacturing Technology, Durgapur, India	pp.547-553, 2007.
11	B. Mandal, S. Majumder, Santanu Das and S. Banerjee	Predictive modeling and investigation on the formation of stiff air-layer around the grinding wheel	Book of Abstracts of the International Conference on Advances in Materials and Processing Technologies (AMPT 2008), Manama, Bahrain	p.238, 2008.
12	B. Mandal, S. Majumder, Santanu Das and S. Banerjee	Investigation on the formation and control of stiff air layer around grinding wheel	Proceedings of the 2 <sup>nd</sup> International and 23 <sup>rd</sup> AIMTDR Conference , Chennai, India	pp.375-379, 2008
13	P.P. Saha and Santanu Das	A simple approach for minimizing of burr formation using edge beveling of alloy steel workpieces	Proceedings of the International Conference on Advances in Mechanical Engineering (ICAME-2009), Surat, India	pp.943-948, 2009
14	B. Mallick, O.N. Dutta and Santanu Das	Application of selective control techniques in inventory management of a manufacturing industry-A case study	Proceedings of the 3 <sup>rd</sup> Annual International Conference on Management and Social Welfare – Decisions in Management and Social Sciences for Sustainable Development, Kolkata, India	Paper presented, 2009

15	B. Mandal, R. Sing Santanu Das and S. Banerjee	Study of the behavior of air flow around the grinding wheel under the application of pneumatic barrier	Proceedings of the 36 <sup>th</sup> International MATADOR Conference, Manchester, United Kingdom	pp.113-116, 2010
16	P.P. Saha and Santanu Das	Influence of edge beveling on burr formation in face milling of an aluminum alloy	Proceedings of the 36 <sup>th</sup> International MATADOR Conference, Manchester, United Kingdom	pp.217-221, 2010
17	P.P. Saha and Santanu Das	Influence of exit edge beveling on burr formation in shaping En25 steels under varying machining conditions	Proceedings of the 3 <sup>rd</sup> International and 24 <sup>th</sup> AIMTDR Conference, Visakhapatnam, India	pp.191-195, 2010
18	K. Roy, P. Mukherjee, U.K. Hansda, S. Mondal, S. Halder and Santanu Das	An experimental investigation on drilling burr formation	Proceedings of the 3 <sup>rd</sup> International and 24 <sup>th</sup> AIMTDR Conference, Visakhapatnam, India	pp.211-216, 2010
19	B. Mandal, G.C. Das, Santanu Das and S. Banerjee	Development of a grinding fluid delivery technique	Proceedings of the 3 <sup>rd</sup> International and 24 <sup>th</sup> AIMTDR Conference, Visakhapatnam, India	pp.897-901, 2010
20	Santanu Das, P.P. Saha and A. Das	An experimental study on burr minimization in shaping of En25 steels	Proceedings of the International Conference on Advances in Mechanical Engineering (ICAME-2011), Surat, India	pp.701-705, 2011
21	A. Das, P.P. Saha and Santanu Das	Investigation on burr formation in shaping of En25 steels: through experimental and stress analysis approach	Proceedings of the International Conference on Computational Methods in Manufacturing (ICMM-2011), Guwahati, India	pp.220-225, 2011
22	A. Das, P.P. Saha and Santanu Das	Burr minimization in shaping of aluminium alloy- through experimental and stress analysis approach	Proceedings of the International Conference on Applied Mechanics, Materials and Manufacturing (ICA3M 2011), Shenzhen, China	2011
23	A. Das, P.P. Saha and Santanu Das	An investigation on reducing burr in shaping medium carbon steel through stress analysis	Proceedings of the International Conference on Mechanical Engineering (ICME-2011), Dhaka, Bangladesh	pp.AM-030/ 1-6, 2011
24	D. Dewanji, P. Kundu, B. Sikder, D. Biswas, B. Mandal and Santanu Das	Improving grinding performance with the use of grinding fluid leading to green manufacturing	Proceedings of the International Conference on Mechanical Engineering (ICME-2011), Dhaka, Bangladesh	pp.RT-031/ 1-6, 2011
25	P.P. Saha, A. Das and Santanu Das	The effect of in-plane exit angle on burr minimization in face milling of medium carbon steels in dry environment	Proceedings of the 37 <sup>th</sup> International MATADOR Conference, Manchester, United Kingdom	pp.145-148, 2012
26	B.Mandal, D. Biswas, A. Sarkar, Santanu Das and S. Banerjee	Improving grindability of Inconel 600 using alumina wheel through pneumatic barrier assisted fluid application	Proceedings of the 3 <sup>rd</sup> International Conference on Manufacturing Science and Technology (ICMST 2012), New Delhi	2012
27	B.Mandal, D. Biswas, A. Sarkar, Santanu Das and S. Banerjee	Experimental observation on grindability of titanium gr. 1 under different environment	Proceedings of the 4 <sup>th</sup> International and 25 <sup>th</sup> AIMTDR Conference, Jadavpur, Kolkata, India	pp.357-362, 2012
28	S. Mahata, J. Mistri, B. Mandal and Santanu Das	Effect of using different methods of fluid application on grinding performance	Proceedings of the 4 <sup>th</sup> International and 25 <sup>th</sup> AIMTDR Conference, Jadavpur, Kolkata, India	pp.396-401, 2012
29	B.S. Sardar, N. Mondal, R.N. Halder and Santanu Das	An experimental observation on drilling burr formation under different environmental conditions	Proceedings of the 4 <sup>th</sup> International and 25 <sup>th</sup> AIMTDR Conference, Jadavpur, Kolkata, India	pp.237-242, 2012

30	S. Bandyopadhyay and Santanu Das	Evaluation of drilling performance of unsaturated resin	Proceedings of the International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, Kapurthala, Punjab, India	pp.185-190, 2013
31	B. Panja and Santanu Das	A study of anti-loosening ability of 5/8 BSW fasteners under vibration with high tension steel and stainless steel bolts	Proceedings of the 1 <sup>st</sup> International and 16 <sup>th</sup> National Conference on Machines and Mechanisms, Roorkee, India	pp.873-878, 2013
32	S. Talukdar, R. Bhattacharya, Santanu Das and Malay Kumar Pakhira	Optimum process scheduling using genetic algorithm in an existing machine layout	Proceedings of the International Conference on Industrial Engineering Science and Applications (IESA 2014), Durgapur, India	pp.57/1-5, 2014 Abstract, p.38.
33	A.K. Verma, B.C. Biswas, P. Roy, S. De, S. Saren and Santanu Das	On the effectiveness of duplex stainless steel cladding deposited by gas metal arc welding	eProceedings of the International Conference (IIW IC 2014), 67 <sup>th</sup> Annual Assembly of the International Institute of Welding, Seoul, Korea	2014
34	G.L. Datta and Santanu Das	Some issues on education, training and skilling of welding personnel in India	Proceedings of the IIW Commission XIV on Training and Education, 67 <sup>th</sup> Annual Assembly of the International Institute of Welding, Seoul, Korea	2014
35	R.K. Mandal, A. Bandyopadhyay and Santanu Das	Welding of acrylics using laser beam: an experimental investigation	Proceedings of the IIW Commission XVI on Polymer Joining and Adhesive Technology, 67 <sup>th</sup> Annual Assembly of the International Institute of Welding, Seoul, Korea	2014
36	B. Mandal, A. Sarkar, D. Biswas, Santanu Das and S. Banerjee	An effective grinding fluid delivery technique to improve grindability of inconel-600	Proceedings of the 5th International and 26th AIMTDR Conference, Guwahati, Assam, India	pp.159/1-6, 2014
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38	S. Kundu, Santanu Das and P.P. Saha	Optimization of drilling parameters to minimize burr by providing back-up support on aluminium alloy	Proceedings of the 12 <sup>th</sup> Global Congress on Manufacturing and Management 2014, Vellore, Tamilnadu, India (Published in Procedia Engineering)	2014
39	S. Sarkar, S. Sarkar, P.K. Das, Santanu Das and S. Paul	Force measurement during turning of AISI 1060 steel with CNT reinforced alumina insert	Proceedings of the First International Conference on Emerging Materials: Characterization & Application (EMCA-2014), Kolkata	p.114, 2014
40	P. Sikder, A. Pramanick, S. Sarkar, Santanu Das, P.P. Dey and P.K. Das	CNT/ alumina nanocomposites for advanced structural applications	Proceedings of the First International Conference on Emerging Materials: Characterization & Application (EMCA-2014), Kolkata	p.194, 2014
41	Sk. T. Islam, P. Das and Santanu Das	A micro mechanical approach to understand the deformation behavior of rheocast A356 Al alloy	Proceedings of the First International Conference on Emerging Materials: Characterization & Application (EMCA-2014), Kolkata	p.198, 2014
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43	A. Pramanick, P. Sikder, S. Sarkar, P.P. Dey, Santanu Das and P.K. Das	Improved sliding wear resistance of hard SPS-ed MWCNT/Al <sub>2</sub> O <sub>3</sub> nanocomposites	Proceedings of the International Conference on Advanced Materials and Emerging Technology (ICAMET 2014), Shibpur, Howrah, India	p.31, 2014
44	S. Kundu, Santanu Das and P.P. Saha	Reduction of exit burr during drilling an aluminium alloy	Proceedings of the 2 <sup>nd</sup> International Conference on Advances in Mechanical Engineering and its Inter-Disciplinary Areas (ICAMEI-2015), Kolaghat, West Bengal, India	pp.311-317, 2015
45	Santanu Das	The analytic hierarchy process based optimal parameter selection for cladding low grade steel with corrosion resistant stainless steel	Proceedings of the 1 <sup>st</sup> International Conference on Emerging Trends in Computer Science and Information Technology (ETCSIT 15), Kalyani, West Bengal, India	p.32, 2015
46	P. Sikder, S. Sarkar, Santanu Das and P.K. Das	Improved mechanical response of spark sintered CNT reinforced alumina ceramics	Proceedings of the 1 <sup>st</sup> International Conference on Alumina and Other Functional Ceramics (AOFC-2015), Kolkata, India	p.81, 2015
47	K. Mondal and Santanu Das	An investigation on machinability during turning with narrow groove tool insert in different environmental conditions	eProceedings of the 11th International Conference on Mechanical Engineering (ICME-2015), Dhaka, Bangladesh	2015
48	B. Panja and Santanu Das	Antiloosening ability of 5/8 inch stainless steel BSW threaded fasteners	eProceedings of the 11th International Conference on Mechanical Engineering (ICME-2015), Dhaka, Bangladesh Full paper published in American Institute of Physics	p.31, 2015
49	D. Dewanji, P. Kundu, B. Sikder, D. Biswas, B. Mandal and Santanu Das	Comparison of grinding performance under different eco-friendly environment	Proceedings of the 28th International Conference on CAD/CAM, Robotics and Factories of the Future 2016 (CAR & FOF 2016), Kolaghat, West Bengal, India [ISBN: 978-81-322-2738-0]	p.33-41, 2016
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51	Souvick Mondal, A.R. Mallick, S. Chakraborty and Santanu Das	Densification, mechanical and tribological properties of spark plasma sintered ZrB <sub>2</sub> -based ceramics with TiB <sub>2</sub> [DOI:10.5185/icmtech. 2016]	eProceedings of the International Conference on Materials Science & Technology 2016 (ICMTech 2016), New Delhi, India	p.31, 2016
52	A. Roy, N. Kumar, A. Bandyopadhyay and Santanu Das	Empirical modeling and optimization of laser marking of aluminum sheet using response surface methodology	Proceedings of the International Conference on Evolution in Manufacturing (ICEM-2016), Mesra, Jharkhand [ISBN: 978-93-86256-11-9]	pp.60-65, 2016
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55	S.K. Das, Santanu Das and B. Mandal	Exploring machinability of AISI4340 steel with coated carbide inserts	Proceedings of the 1 <sup>st</sup> International Conference on Materials, Manufacturing and Design Engineering (iCMMD 2016), Lonere, Maharashtra	p.43, 2016
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62	Manas Kumar Saha, Jaydeep Mondal, Ajit Mondal and Santanu Das	Influence of heat input on corrosion resistance of duplex stainless steel cladding using flux cored arc welding	Proceedings of the 5 <sup>th</sup> International Congress (IC-2017) of the International Institute of Welding, Chennai	2017
63	Suman Saha and Santanu Das	Investigation on the effect of activating flux on tungsten inert gas welding of austenitic stainless steel using AC polarity	Proceedings of the 5 <sup>th</sup> International Congress (IC-2017) of the International Institute of Welding, Chennai	2017
64	A. Kundu, S. Mahata, M. Mukhopadhyay, A. Banerjee, B. Mandal and Santanu Das	Using soap water in grinding titanium grade 1 alloy with an alumina wheel	Proceedings of the 2 <sup>nd</sup> International Conference on Materials Manufacturing and Design Engineering (iCMMD 2017), Aurangabad, Maharashtra	2017
65	Barun Haldar, D.K. Adak, Debarpan G., Arjun K., Habtamu E., Ahmed M. and Santanu Das	Present status and some critical issues of abrasive jet materials processing: a review	Proceedings of the 2 <sup>nd</sup> International Conference on Materials Manufacturing and Design Engineering (iCMMD 2017), Aurangabad, Maharashtra	2017
66	A.K. Biswas, Santanu Das and Sanjoy Das	Determination of hardness for cone indentation to a semi-infinite block for various cone angles and friction	Proceedings of the International Conference on Theoretical, Applied, Computational and Experimental	2017

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72	Biswanath Chakraborty and Santanu Das	Evaluation criteria of project risk and decision making through beta analysis and TOPSIS towards achieving organizational effectiveness	Proceedings of the 2nd International Conference on Computational Intelligence, Communications, and Business Analytics, Kalyani	p.71, 2018
73	Manas Kumar Saha, Souvik Sadhu, Pritam Ghosh, Ajit Mondal, Ritesh Hazra and Santanu Das	Influence of heat input on geometry of 316 austenitic stainless steel weld bead on low alloy steel plate	Proceedings of the International Conference on Advanced Engineering Optimization through Intelligent Techniques, Surat, Gujarat	p.72, 2018
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75	S. Mahata, B. Mandal and Santanu Das	A systematic investigation to improve grindability of titanium alloys	Proceedings of the 8th International Science Jadavpur, Kolkata, India	p.42-43, 2018
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77	A. Karmakar, D. Ghosh, D.K. Adak, B. Mandal, Santanu Das, Ahmed M. and B. Halder	Abrasive jet machining of soda lime glass and laminated glass using silica sand	Proceedings of the 7th International and 28th AIMTDR Conference, Chennai, India	2018

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79	Manas Kumar Saha, Ajit Mondal, Ritesh Hazra and Santanu Das	Influence of heat input on corrosion resistance of duplex stainless steel cladding on low alloy steel by FCAW	Proceedings of the 7th International and 28th AIMTDR Conference, Chennai, India	2018
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81	Ankur Das and Santanu Das	Evaluation of multi-criteria inventory control techniques for a pump manufacturing organization	Proceedings of the International Conference on Advancements in Mechanical Engineering, Kolkata, India (Book of Abstracts and Souvenir)	p. 30, 2020
82	Deb Kumar Adak, Prosenjit Dutta, Santanu Das and Barun Halder	An experimental investigation on abrasive jet machining of alumina plates using silicon carbide abrasive	Proceedings of the International Conference on Advancements in Mechanical Engineering, Kolkata, India (Book of Abstracts and Souvenir)	p. 31, 2020
83	Krishnendu Mondal and Santanu Das	Hard turning of AISI 4340 steel using two types of carbide inserts	Proceedings of the International Conference on Advancements in Mechanical Engineering, Kolkata, India (Book of Abstracts and Souvenir)	p. 43, 2020
84	Soumak Bose and Santanu Das	Bead-on-plate and cladding performance of 316 austenitic stainless steel on low alloy steel plate using GTAW process	Proceedings of the 5 <sup>th</sup> International Congress of International Institute of Welding, Mumbai, India	p. 32, 2020
85	Santanu Das	A brief history on the development of cutting tools (ISBN: 978-93-81042-00-7)	The e-Abstract Proceedings of the Two-Day International Webinar on History of Science, Kolkata, India	p.26, 2020
86	Partha Protim Das, Priyank Gupta, Spandan Guha, Premchand Kumar Mahto, Santanu Das, Asish Bandyopadhyay	A grey-fuzzy approach to optimize the cutting parameters of slab milling operation	Proceedings of the 2nd International Conference on Mechanical Materials and Renewable Energy (ICMMRE 2019), Sikkim, India (Published in AIP Conference Proceedings 2020 with ISBN)	2019
87	Arup Kumar Biswas, Santanu Das and Sanjoy Das	Comparisons of lip profiles for micro-indentation of a smooth rigid wedge to a semi-infinite block by finite element analysis and numerical slip-line field techniques	Proceedings of the 1st International Conference on Thermal Engineering and Management Advances (ICTEMA2020), Jalpaiguri, India (Published as a Springer Book Chapter with ISSN and ISBN) , December 19-20 2020	2020
88	Sk Tanbir Islam, Sudip Kumar Samanta, Aditya Kumar Lohar, Santanu Das and Asish Bandyopadhyay	Thermal and rheological behaviour of a wax-based binder and an alumina feedstock for micro-PIM application	Proceedings of the 1st International Conference on Thermal Engineering and Management Advances (ICTEMA2020), Jalpaiguri, India (Published as a Springer Book Chapter with ISSN and ISBN), December 19-20 2020	2020
89	Sagnik Choudhury, Debasish Biswas and Santanu Das	Numerical simulation of welding for residual stress prediction of low carbon steel	Proceedings of the 1st International Conference on Thermal Engineering and Management Advances (ICTEMA2020), Jalpaiguri, India (Published as a Springer	2020

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90	Deb Kumar Adak, Prosenjit Dutta, Santanu Das and Barun Halder	Machining alumina plates using abrasive jet of silicon carbide	Proceedings of the 3rd International Conference on Advances in Mechanical Engineering and its Interdisciplinary Areas (ICAMEI-2021), Kolaghat, India (Published in IOP Conference Series: Materials Science and Engineering, Vol.1080, No. 012021, 2021)	2021
91	Avishek Mukherjee and Santanu Das	A simple online tool condition monitoring system using artificial neural networks	Proceedings of the 3rd International Conference on Advances in Mechanical Engineering and its Interdisciplinary Areas (ICAMEI-2021), Kolaghat, India (Published in IOP Conference Series: Materials Science and Engineering, Vol.1080, No. 012020, 2021)	2021
92	Nripen Mondal, Sudip Mandal, Madhab Chandra Mandal, Santanu Das and Barun Halder	ANN-FPA based modelling and optimization of drilling burrs using RSM and GA	Book of Abstracts: Proceedings of the 15 <sup>th</sup> Global Congress on Manufacturing & Management (GCMM-2021), Liverpool, United Kingdom (June 07-09 2021)	p.70, 2021
93	Sayan Bag, Santanu Das and Bandana Barman	Application of the analytic hierarchy process to find out the desired grinding quality by appropriately choosing grinding process parameters	Proceedings of the International Conference on Recent Development on Materials, Reliability, Safety and Environmental Issues (IMRSE– 2021), Jalandhar, Punjab, India (June 25-27 2021)	2021

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No.	Authors	Title	Name of Conference/Seminar	Details
1	Santanu Das, A.B. Chattopadhyay and A.S.R. Murthy	A review on tool condition monitoring by acoustic emission	Proceedings of the All India Seminar on Automation and its Levels in Manufacturing Industries, in the Eighth National Convention of Production Engineers, Allahabad	pp.G11-G20, 1993
2	Santanu Das, A.B. Chattopadhyay and A.S.R. Murthy	A GMDH approach for on-line tracking tool wear condition in turning	Proceedings of the All India Seminar on Competent Integrity and Reliability, Jamshedpur	p.57, 1994
3	S. Paul, Santanu Das, P.P. Bandyopadhyay and A.B. Chattopadhyay	Effect of cryogenic cooling on wheel loading in grinding steels	Proceedings of the 16 <sup>th</sup> all India Manufacturing Technology Design and Research Conference, Bangalore	pp.478-484, 1994
4	C. Sikdar, Santanu Das and A.B. Chattopadhyay	Effects of cutting edge beveling on cutting temperature distribution in face milling carbide inserts	Proceedings of the 16 <sup>th</sup> All India Manufacturing Technology Design and Research Conference, Bangalore	pp.545-549, 1994
5	K. Chakrabarty, Santanu Das, A.B. Chattopadhyay and A.K. Chakrabarty	On machinability and grindability of vanadium microalloyed steel	Souvenir of the 16 <sup>th</sup> All India Manufacturing Technology Design and Research Conference, Bangalore	1994
6	Santanu Das and A.B. Chattopadhyay	Tracking tool wear condition on-line using a back-propagation type neural networks	Proceedings of the 17 <sup>th</sup> All India Manufacturing Technology Design and Research Conference, Warangal	pp.479-484, 1997

7	V.A. Dixit, S.S. Patil and Santanu Das	A simple approach for improving the performance of grinding sticky steels	Proceedings of the National Seminar on Emerging Trends in Design Engineering, in the 12 <sup>th</sup> Mechanical Engineering Convention, Allahabad	pp.II138-II147, 1997
8	C.S. Kartik, G. Suryaganesh, N.R. Joshi, K.C. Ghanta and Santanu Das	Application of neural networks to an esterification process	Proceedings of the IChE Golden Jubilee Congress (CHEMCON-1997), New Delhi	pp.1019-1029, 1997
9	R.S. Sharamacharya, M.N. George and Santanu Das	On the grinding wheel performance through minor wheel modification	Proceedings of the 18 <sup>th</sup> All India Manufacturing Technology Design and Research Conference, Kharagpur	pp.156-161, 1998
10	Santanu Das, S. Datta, P. Mondal, S. K. Das and S. Sinha	Application of the analytic hierarchy process as an optimization and predictive tool	Proceeding of the Conference on Intelligent Computing and VLSI, Kalyani	pp.55-100, 2001.
11	S. Pramanik, D. Mallick, S.K. Sharma, N.C. De and Santanu Das	Selection of process sequences using an expert system	Proceedings of the All India Seminar on Artificial Intelligence and Expert Systems in Manufacturing, Rourkela	pp.32-40, 2001
12	P.S. Kulkarni, S.A. Javalekar, V.M. Patel, K.S. Singh and Santanu Das	On the development of path planning and motion control of an articulated robotic arm	Proceedings of the National Seminar on Emerging Trends in Mechatronics for Automation, in the 18 <sup>th</sup> Convention of Mechanical Engineering, Rourkela	pp.10-16, 2002.
13	S. Putatunda, A.K. Bandyopadhyay, T. Bose, S. Sarkar and Santanu Das	On the effectiveness of applying grinding fluid in surface grinding	Proceedings of the National Seminar on Emerging Trends in Manufacturing, XVI National Convention of Production Engineers, Varanasi	pp.182-187, 2002.
14	M. K. Mondal, N. K. Peyada, S. Patra, S. Pradhan, S. Banerjee and Santanu Das	On the anti loosening characteristics of fasteners	Proceedings of the 20 <sup>th</sup> All India Manufacturing Technology Design and Research Conference, Ranchi	pp.830-831, 2002.
15	G. Bandekar, S. Bhattacharya, A. S. Mani, D. Dass, Santanu Das and S. Kalmani	Generation of a part programme from Autocad drawing	Proceedings of the national Conference on Advanced Manufacturing Systems (AMS-2003), Kolkata	pp.439-444, 2003.
16	Santanu Das	Improving grinding performance through appropriate grinding fluid application	Proceedings of the National Conference on Investment Casting (NCIC-2003), Durgapur	pp.97-103, 2003.
17	S. Chakraborty, S. Das, S. Betal and Santanu Das,	Generation of part programme from autocad database	Proceedings of Conference on Advances and Recent Trends in Manufacturing (CARTM-2003), Kalyani	pp.219-217, 2003.
18	R. Jatua, A. Sarkar, S. Nandi and Santanu Das	On the effects of various parameters for gas metal arc welding of steels	Proceedings of Conference on Advances and Recent Trends in Manufacturing (CARTM-2003), Kalyani	pp.143-150, 2003.
19	S. Ghosh, S. Samanta and Santanu Das	Optimum scheduling of a robot– assisted assembly task using genetic algorithm,	Proceedings of Conference on Advances and Recent Trends in Manufacturing (CARTM-2003), Kalyani	pp.337-343, 2003
20	P. Sarkar, P. Mallick, A. Bhattacharaya and Santanu Das	Enhancing anti–loosening characteristics of threaded fasteners– need of threaded components under vibratory condition	Proceedings of National Seminar on Strategies and Techniques for Maintenance of Equipment and Machinery- Recent Trends, Kolkata	pp.II18–II22, 2004

21	K.C. Dey and Santanu Das	Process monitoring in grinding	Proceedings of the 20 <sup>th</sup> All India Manufacturing Technology Design and Research (AIMTDR) Conference, Vellore	pp.115-122, 2004
22	B. Halder, Santanu Das and I. Biswas	A review on the methods of micro- machining and nanotechnology	Proceedings of the All India Seminar on Recent Advances in Manufacturing Technologies (RAMT-2005), Rourkela	pp.45-52, 2005
23	S. Chatterjee and Santanu Das	Characterisation of micro-electric discharge machining	Proceedings of the 20 <sup>th</sup> Indian Engineering Congress, Kolkata	p.68, 2005
24	S.S. Adhikari, B. Halder, A.B. Chattopadhyay and Santanu Das	Study of tool wear and tool life during turning of inconel 718	Proceedings of the National Conference on Machines and Mechanisms (NaCoMM-2005), Guwahati,	pp.325-330, 2005
25	Santanu Das, A. Bhattacharya, T. Chakraborty, S.K. Saha, S. Srimani, S. Hajra	A study on loosening characteristic of threaded fasteners	Proceedings of the National Conference on Recent Developments in Mechanical Engineering, Patiala	pp.268-276, 2006.
26	B. Halder, Santanu Das and T.K. Bera	A critical review on rapid prototyping processes	Proceedings of the National Conference on Investment Casting (NCIC-2006), Hyderabad	pp.275-283, 2006.
27	K.C. Ghanta and Santanu Das	Prediction of viscosity of magnetite-water slurry using neural networks	Proceedings of the National Conference on Trends and Advances in Computer Aided Design and Engineering (TACADE-2007), Kalyani	pp.280-292, 2007
28	S. Bhattacharya, A.S. Banerjee and Santanu Das	Application of the analytic hierarchy process as a simple optimization tool: part A- selection of a fuel	Proceedings of the National Conference on Trends and Advances in Computer Aided Design and Engineering (TACADE-2007), Kalyani	pp.329-338, 2007
29	S. Ghosh, S. Samanta and Santanu Das	Application of the analytic hierarchy process as a simple optimization tool: part B- a case study of robot selection	Proceedings of the National Conference on Trends and Advances in Computer Aided Design and Engineering (TACADE-2007), Kalyani	pp.339-347, 2007
30	B. Mallick, O.N. Dutta and Santanu Das	A pragmatic approach for the selection of items for value engineering study- a case study	Proceedings of the All India Seminar on Value Engineering, Kolkata	pp.35-36, 2007
31	S.K. Saha, S. Srimani, S. Hajra, A. Bhattacharya and Santanu Das	On the anti-loosening property of different fasteners	Proceedings of the 13 <sup>th</sup> National Conference on Machines and Mechanisms (NaCoMM), Bangalore	pp.229-232, 2007
32	B. Halder, Santanu Das and S.S. Ghosh	Roles of laser on micro-nano machining and fabrication	Proceedings of the 7th Biennial Seminar on Application of Laser in Materials Processing, Jadavpur, Kolkata	pp.155-160, 2008
33	B.K. Mondal, N. Bhattacharya, A. Chakraborti, C. Neogy, A. Nag and Santanu Das	A study on the a.c. conductivity of high Tc superconductivity	Proceedings of the 16 <sup>th</sup> West Bengal State Science and Technology Congress, Bardhaman	pp.152-153, 2009
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35	A. Sarkar and Santanu Das	Optimizing MAG welding parameters using grey based Taguchi method	Proceedings of the 16 <sup>th</sup> West Bengal State Science and Technology Congress, Bardhaman	p.220, 2009
36	R. Maiti, T. Kundu, S. Das,	Effect of surface grinding on	Proceedings of the 16 <sup>th</sup> West Bengal State	p.216,

	A. Bandyopadhyay and Santanu Das	the hardness of steel specimens	Science and Technology Congress, Bardhaman	2009
37	P. Mukherjee, U.K. Hansda, S. Mondal and Santanu Das	Burr formation and its control in drilling	Proceedings of the 16 <sup>th</sup> West Bengal State Science and Technology Congress, Bardhaman	p.218, 2009
38	A. Sarkar and Santanu Das	Optimisation of welding of stainless steel specimens using CO <sub>2</sub> shielded GMAW	Proceedings of the National Welding Seminar, Kolkata	p.55, 2009
39	M.K. Saha, Santanu Das, A. Bandyopadhyay and S. Bandyopadhyay	Characterisation of CO <sub>2</sub> shielded GMAW process for welding low carbon steel specimens	Proceedings of the National Welding Seminar, Kolkata	p.58, 2009
40	K.N. Mahato and Santanu Das	A study on anti-loosening characteristics of different 3/8 BSW threaded fasteners	Proceedings of the 14 <sup>th</sup> National Conference on Machines and Mechanisms (NaCoMM), Durgapur	pp.409-415, 2009
41	P. Das, J.P. Mishra and Santanu Das	Study of machinability of P/M iron	eProceedings of the National Conference on Emerging Vistas of Technology in 21 <sup>st</sup> Century, Vadodara, Gujarat	2009
42	A.S. Banerjee and Santanu Das	Application of the analytic hierarchy process as a simple optimisation tool: part B- selection of the materials for leaf spring	eProceedings of the Conference on Recent Advances in Mathematics, Technology and Management, Santiniketan, West Bengal	2010
43	P.P Saha and Santanu Das	A study on the effect of process parameters and exit edge beveling on foot and burr formation during machining of medium carbon steels	Proceedings of the National Conference on Recent Advances in Manufacturing Technology and management (RAMTM-2019), Kolkata	pp.30-35, 2010
44	A. Das, P. Mondal, S. Samanta, S. Mahata and Santanu Das	Burr formation in milling and its minimization	Proceedings of the 17 <sup>th</sup> West Bengal State Science and Technology Congress, Kolkata	p.64, 2010
45	P.P Saha and Santanu Das	Minimization of burr formation in shaping En25 alloy steel through a geometrical approach	Proceedings of the 17 <sup>th</sup> West Bengal State Science and Technology Congress, Kolkata	p.65, 2010
46	B. Mandal, G.C. Das and Santanu Das	Development of a simple technique for controlling wastage of grinding fluid	Proceedings of the 17 <sup>th</sup> West Bengal State Science and Technology Congress, Kolkata	p.68, 2010
47	B.K. Mondal, C. Neogy and Santanu Das	Scaling behaviour in YBCO and SmBCO HTSC samples	Proceedings of the 17 <sup>th</sup> West Bengal State Science and Technology Congress, Kolkata	p.93, 2010
48	A. Das, S. Kundu and Santanu Das	Burr formation and minimization strategies in drilling and milling	Proceedings of the Conference on Advances in Mechanical Engineering (AIM-2010), Vasavi College of Engineering, Hyderabad	pp.36-43, 2010
49	Santanu Das and N. Biswas	Process optimisation in P91 steel pipe welding	Proceedings of the National Welding Seminar (NWS-2010), Visakhapatnam	p.47, 2010
50	Santanu Das, C. Mondal and S. Bhattacharya	Optimisation of spot welding of 17-4 ph stainless steels using the AHP	Proceedings of the National Welding Seminar (NWS-2010), Visakhapatnam	p.26, 2010
51	S. Das and Santanu Das	Studying the possibility of drill wear prediction through sensing	Proceedings of the National Conference on Recent trends and Advances in the Field of	pp.92-104, 2011

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52	K.Mallick, S.K. Roy, U.K. Mallick and Santanu Das	Expert system based computer aided process planning and part programming	Proceedings of the National Conference on Recent trends and Advances in the Field of Eco-Friendly operation of Plant Machineries, Automobile and Material Handling System (NCREPMA 2011), Bishnupur, Bankura	pp.138-147, 2011
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54	P.P. Saha and Santanu Das	An investigation on the effect of process parameter and exit edge beveling on burr formation in shaping of 45C8 steels	Proceedings of the National Conference on Industrial Engineering (NCIE 2011), Kolkata	p.50, 2011
55	B. Mandal, D. Biswas, A. Sarkar and Santanu Das	An innovative method of grinding fluid application towards green manufacturing	Proceedings of the 18 <sup>th</sup> West Bengal State Science and Technology Congress, Kolkata	pp.80-81, 2011
56	S. Mahata, A. Das, S. Kundu and Santanu Das	Recent trends and advances in deburring processes	Presented in the seminar on Recent Trends in Manufacturing Technology, Howrah	2011
57	B.K. Haldar, K.K. Pal, B. Kola, T. Patra and Santanu Das	Robotic path optimization using genetic algorithm	Proceedings of the 2-Day Seminar on Recent Advancement in Robotics & Mechatronics, Kolkata and Howrah	p.18, 2011
58	M. Kundu, S. Pal, S. Bhuiin, B. Hansda, and Santanu Das	Comparison between various flexible gripping materials for robotic application	Proceedings of the 2-Day Seminar on Recent Advancement in Robotics & Mechatronics, Kolkata and Howrah	p.23, 2011
59	B. Panja and Santanu Das	On the anti-loosening characteristics of M16 threaded fasteners under vibratory conditions	Proceedings of the 15 <sup>th</sup> National Conference on Machines and Mechanisms (NaCoMM), Chennai	pp.273-282, 2011
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61	A. Sarkar, D. Biswas, B.Mandal and Santanu Das	Effective application of grinding fluid by using a pneumatic barrier	Proceedings of the 19th West Bengal State Science and Technology Congress, Kolkata	p.255, 2012
62	B. Mallick, O.N. Dutta and Santanu Das	Inventory control: Beyond traditional approach	Proceedings of the 19th West Bengal State Science and Technology Congress, Kolkata	p.256, 2012
63	B. Panja and Santanu Das	Studying loosening of matrix fasteners under vibration to find out good anti-loosening fastening elements	Proceedings of the 19th West Bengal State Science and Technology Congress, Kolkata	p.257, 2012



64	S. Mahata, J. Mistri, B. Mandal and Santanu Das	An experimental investigation on grindability of low alloy steel under dry condition	Proceedings of the 19th West Bengal State Science and Technology Congress, Kolkata	p.258, 2012
65	S. Kumar and Santanu Das	Advanced materials, modern material needs and economic, environmental, and social issues in materials science and engineering: a brief study	eProceedings of the UGC National Conference on Advances in Computer Integrated Manufacturing (NCACIM-II), Jodhpur	2012
66	R.K. Mondal, A. Bandyopadhyay and Santanu Das	An experimental investigation on laser beam welding of acrylics	Proceedings of the National Welding Seminar (NWS-2012-13), Bangalore	p.66, 2013
67	A. Ghosh, A. Rawani, G. Maity, S. Majee and Santanu Das	An experimental investigation on dimensional accuracy and burr formation in slot milling operation	Proceedings of the National Conference on Recent Trends in Manufacturing Science and Technology (RTMST-2013), Kolkata	pp.104-113, 2013
68	A.K. Verma, B.C. Biswas, P. Roy, S. De, S. Saren and Santanu Das	On the performance of cladding austenitic stainless steel on plain carbon steel	Proceedings of the IIW Visakhapatnam Branch Seminar on Welding Management for Sustainable Development (IVBS-2013), Visakhapatnam	pp.1-9, 2013
69	M.K. Saha, A. Mondal, R. Hazra and Santanu Das	An overview on cladding through gas metal arc welding	Proceedings of the National Welding Seminar (NWS-2014-15), Jamshedpur	p.34, 2015
70	Santanu Das	On the anti-corrosive characteristics of stainless steel cladding	Proceedings of the National Welding Seminar (NWS-2014-15), Jamshedpur	p.57, 2015
71	B. Bhuniya, P. Das, A. Maity, T. Ray and Santanu Das	Numerical simulation of flow behaviour of molten Al-Si alloy during high pressure die casting mould filling of knuckle housing	Proceedings of the National Workshop on Investment Casting Process Technology (NWIC-2015), Kolkata	2015
72	A.K. Biswas, Santanu Das, B. Das and S. Das	A slip-line field solution for micro-indentation of a rigid conical wedge by numerical technique	Proceedings of the 2 <sup>nd</sup> National Conference on Emerging Technology & Applied Sciences (NCETAS 2015), Bandel, West Bengal (Published in the International Journal of Innovative Research in Science, Engineering and Technology) [ISSN: 2319-8753- Online] [ISSN: 2347-6710- Print]	pp.127-131, 2015
73	Sujit Majumdar, Ahin Banerjee, Santanu Das, Samik Chakroborty and Debasish Roy	Effect of porosity of alumina wheel in improving grinding performance	Proceedings of the National Conference on Advances in Mechanical Engineering (I-Con 2016), Krishnagar, West Bengal (Published in the Global Journal on Advancement in Engineering and Science) [ISSN: 2395-1001- Print])	pp.127-131, 2015
74	Arijit Patra, Arijit Hawladar, Sanjay Samanta and Santanu Das	Investigating milling burr formation under varying tool exit angle	Proceedings of the National Conference on Advances in Mechanical Engineering (I-Con 2016), Krishnagar, West Bengal (Published in the Global Journal on Advancement in Engineering and Science) [ISSN: 2395-1001- Print]	pp.127-131, 2015
75	Ayan Banerjee, Manish Mukhopadhyay, Arnab Kundu, Sirsendu Mahata,	On the performance of dry grinding of titanium grade 1 using alumina wheel	Proceedings of the National Conference on Advances in Mechanical Engineering, 2016, Krishnagar, West Bengal (Published	pp.127-131, 2015

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76	Arnab Kundu, Manish Mukhopadhyay, Ayan Banerjee, Sirsendu Mahata, Bijoy Mandal and Santanu Das	An experimental investigation on the grindability of inconel using alumina wheel under dry condition	Proceedings of the National Conference on Advances in Mechanical Engineering, 2016, Krishnagar, West Bengal (Published in the Global Journal on Advancement in Engineering and Science) [ISSN: 2395-1001- Print]	pp.127-131, 2015
77	Manish Mukhopadhyay, Ayan Banerjee, Arnab Kundu, Sirsendu Mahata, Bijoy Mandal and Santanu Das	Experimental investigation on grindability of titanium grade 1 using silicon carbide wheel under dry condition	Proceedings of the National Conference on Advances in Mechanical Engineering (I-Con 2016), Krishnagar, West Bengal (Published in the Global Journal on Advancement in Engineering and Science) [ISSN: 2395-1001- Print]	pp.127-131, 2015
78	Santanu Das	Advances in welding processes	Proceedings of the National Seminar on Advances in Welding Processes, Guptipara, Hooghly, West Bengal	2016
79	Santanu Das	Investigation on machinability of steels with different ceramic cutting tools	Proceedings of the National Workshop on Machining & Machinability of Advanced Materials (NWMMAM-2016), Durgapur, West Bengal	p.6, 2016
80	Debjit Misra, Santanu Das and Partha Pratim Saha	Investigation on machinability of steels with different ceramic cutting tools	Proceedings of the National Workshop on Machining & Machinability of Advanced Materials (NWMMAM-2016), Durgapur, West Bengal	p.16, 2016
81	M.K. Saha, R. Hazra, A. Mondal and Santanu Das	Effect of process parameters on corrosion resistance of austenitic stainless steel cladding done on low alloy steel specimens	Proceedings of the National Welding Seminar (NWS-2016), Kolkata, West Bengal	2016
82	M.K. Saha, J Mandal, A. Mondal and Santanu Das	Influence of process parameters on corrosion resistance of duplex stainless steel cladding done on low alloy steel specimens	Proceedings of the National Welding Seminar (NWS-2016), Kolkata, West Bengal	2016
83	M.K. Saha, A. Mondal, R. Hazra and Santanu Das	Effect of process parameters on hardness values of duplex stainless steel cladding onto low alloy steel by GMAW	Proceedings of the National Welding Seminar (NWS-2016), Kolkata, West Bengal	2016
84	N. Ghosh, S. Majumder, Santanu Das and T.K. Mitra	A study on AC TIG welding variables to modulate weld bead geometry in aluminium	Proceedings of the National Welding Seminar (NWS-2016), Kolkata, West Bengal	2016
85	S.K. Das, Santanu Das and B. Mandal	Experimental investigation of machinability of AISI 4340 steel using different inserts	Proceedings of the National Workshop on Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017), Durgapur, West Bengal	pp.3-6, 2017
86	A. Kundu, S. Mahata, M. Mukhopadhyay, A. Banerjee, B. Mandal and Santanu Das	Investigating the use of soap water in SQL mode during grinding titanium alloy	Proceedings of the National Workshop on Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017), Durgapur, West Bengal	pp.7-10, 2017

87	P. Banerjee, Sk. T. Islam, Santanu Das and P. Das	Microscale centre crack growth studies in rheocast A356 Al alloy using extended finite element method	Proceedings of the National Workshop on Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017), Durgapur, West Bengal	pp.22-25, 2017
88	A. Roy, N. Kumar, A. Bandyopadhyay and Santanu Das	Exploring surface roughness obtained during laser engraving	Proceedings of the National Workshop on Advanced Functional Materials Processing & Manufacturing (NCAFMPM-2017), Durgapur, West Bengal	pp.55-58, 2017
89	Santanu Das	Performance of cladding done using flux-cored arc welding and gas metal arc welding	Proceedings of the National Seminar on Advanced Welding Processes, Kolkata	2017
90	A.K. Biswas, Santanu Das and Sanjoy Das	Estimating conical indentation load by numerical slip-line field technique	Proceedings of the Indian Conference on Applied Mechanics (INCAM 2017), Allahabad	2017
91	A.K. Biswas, A. Ghosal, A. Dey, S.K. Chandra, S. Kundu, S.A. Salam, Santanu Das and Sanjoy Das	Verification of plastic zone in wedge indentation by finite element analysis and numerical slip-line field technique	Proceedings of the Symposium on Steel, Its Development and Usage in India, Madhyamgram, Kolkata, West Bengal	2018
92	M.K. Saha, L.N. Dhara and Santanu Das	Variation of bead geometry of 316 austenitic stainless steel weld with varying heat input using metal active gas welding	Proceedings of the Conference on Leveraging Simulation and Optimization Techniques for Manufacturing Excellence and Productivity Enhancement, Tata Steel, Jamshedpur	2018
93	M.K. Saha, R. Hazra, A. Mondal and Santanu Das	Influence of heat input on corrosion resistance of 316 austenitic stainless steel cladding on E350 low alloy steel by active metal gas welding	Proceedings of the Conference on Leveraging Simulation and Optimization Techniques for Manufacturing Excellence and Productivity Enhancement, Tata Steel, Jamshedpur	2018
94	B. Mallick, Sourav Das, B. Sarkar and Santanu Das	Multi-criteria inventory classification based on modified similarity method	Proceedings of the Conference on Leveraging Simulation and Optimization Techniques for Manufacturing Excellence and Productivity Enhancement, Tata Steel, Jamshedpur	2018
95	Santanu Das	Improving grindability of titanium alloys through different fluid delivery techniques	Proceedings of the National Conference on Advanced Materials, Manufacturing and Metrology, Durgapur, West Bengal	p.13, 2018
96	A. Roy, N. Kumar, Santanu Das and A. Bandyopadhyay	Comparison of laser marking on aluminium, stainless steel and copper sheet using Nd:YVO <sub>4</sub> laser	Proceedings of the National Conference on Advanced Materials, Manufacturing and Metrology, Durgapur, West Bengal	pp.259-263, 2018
97	M.K. Saha, L.N. Dhara and Santanu Das	Influence of heat input on shear strength and macro-hardness of 316 austenitic stainless steel cladding onto E250 low alloy steel by GMAW process	Proceedings of the National Conference on Advanced Materials, Manufacturing and Metrology, Durgapur, West Bengal	pp.247-252, 2018
98	Santanu Das	Temperature related problems in grinding and exploring improved grinding fluid delivery technics to overcome them	Proceedings of the Seminar on Advancement in Frontiers of Mechanical Engineering, Madhyamgram, Kolkata, West Bengal	2018

99	Santanu Das	Challenges in engineering education in India	Proceedings of the Seminar on Challenges and Prospects of Engineering Professionals in India, Kolkata, West Bengal	2018
100	J. Mondal, M.K. Saha and Santanu Das	Corrosion resistance on austenitic stainless steel clad layer deposited on low alloy steel	Proceedings of the National Welding Seminar, Kochi, Kerala	p.97, 2018
101	Rajiv Ranjan Singh, Sujit Majumdar and Santanu Das	Air flow field around the grinding wheel	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.64, 2019
102	Rajiv Ranjan Singh, Ravi Ranjan Singh and Santanu Das	Meandering micro channel in single point turning tool	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.66, 2019
103	Anil Ghorai, Manish Mukhopadhyay, Pranab Kumar Kundu and Santanu Das	Experimental investigation on enhancing grindability of Ti-6Al-4V under varying coolant concentration	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.68, 2019
104	Samanwoy Ghosh, Prithish Banerjee, Tapan Kumar Pal and Santanu Das	Experimental study on dissimilar spot welded joints of DP590 and IFHS steels	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.70, 2019
105	Ajit Mondal, Soumak Bose and Santanu Das	Observation of weld bead geometry of austenitic stainless steel wire electrode using GMAW process	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.73, 2019
106	Debarpan Ghosh, Arjun Karmakar, Deb Kumar Adak, Bijoy Mandal, Saantanu Das and Barun Halder	Some experimental investigation on abrasive jet surface preparation	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.74, 2019
107	Krishnendu Mondal, Jahanur Rahaman, Santanu Das and Bijoy Mandal	Machinability study of AISI 1045 steel using different coated carbide inserts during hard turning	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.75, 2019
108	Krishnendu Mondal, anjan Kumar Adak, Subhasish Chatterjee, Bijoy Mandal and Santanu Das	An investigation on turning of hardened steel using coated carbide inserts	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.76, 2019
109	Debjit Misra, Santanu Das and Nripen Mandal	On the estimation of drilling burr formation with artificial neural network analysis	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.77, 2019
110	Manas Kumar Saha and Santanu Das	Weld bead profile of duplex stainless steel bead on low alloy steel (E350) plate done by GMAW/ FCAW using 100% CO <sub>2</sub> as shielding gas	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.78, 2019
111	Rajib Das, Bijoy Mandal and Santanu Das	An investigation on deburring performance for drilling burr removal using EDM	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.79, 2019
112	Sumit Dey and Santanu Das	Comparative study of electric discharge machining by uncoated, cadmium coated and	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.81, 2019

		silver coated copper electrodes		
113	Bidhan Chandra Biswas, Anup Kumar Verma, Protap Roy, Samiran De, Sukanta Saren and Santanu Das	Anti-corrosive performance of duplex stainless steel cladding deposited by flux cored arc welding	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.83, 2019
114	Subhodwip Saha, Atanu Das and Santanu Das	Studying the influence of welding current on weldability of SS 316L stainless steel plate using gas tungsten arc welding process	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.84, 2019
115	Subhajit Bhattacharya, Kazi Sabiruddin and Santanu Das	Optimization of process parameters for GMAW of high carbon steel using TOPSIS	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.87, 2019
116	Biswanath Chakraborty and Santanu Das	Optimization of supply chain management and its information transmission through coupling of TOPSIS, IOT and cloud computing	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.90, 2019
117	Ankur Das and Santanu Das	Application of a multi criteria inventory control technique over conventional ABC analysis in a pump manufacturing organization	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.93, 2019
118	Bivash Mallick, Sourav Das, Bijan Sarkar and Santanu Das	A comparative study of multi-criteria ABC inventory classification methods	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.94, 2019
119	Chandan Mukherjee, Devashish Biswas, Ardendu Laha, Souvik Chatterjee, Atanu Pandit and Santanu Das	Development and investigation of mechanical properties of date palm fibre reinforced polyester composites	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.93, 2019
120	Prabas Banerjee, Prosenjit Das, Santanu Das and Tanbir Islam	Microscale crack growth studies in rheocast A356 (Al-Si-Mg) alloy using extended finite element method	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.97, 2019
121	Arup K. Biswas, Santanu Das and Sanjoy Das	Comparison of extensions of plastic zones for micro-indentation of a rigid wedge to a semi-infinite block by finite element analysis and numerical slip-line field techniques	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.104, 2019
122	Avishek Mukherjee, Monojit Layek, Swarup Jana, Bisal Karmakar and Santanu Das	Development and performance testing of a magnetic reciprocating engine	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.105, 2019
123	Ujjal Baidya, Sanjoy Das and Santanu Das	Numerical analysis of short porous hydrodynamic journal bearing with isotropic	Proceedings of the National Conference on Trends and Advances in Mechanical Engineering, Kalyani	p.106, 2019

		roughness using micropolar lubrication		
124	Santanu Das	Cladding: applications, advances and some research experience	Proceedings of the Seminar on Advances in Welding, Automation & Robotics for Cost Effective Manufacturing, Kolkata	pp.1-11, 2019
125	Santanu Das	Grinding: fundamentals and some advances	Proceedings of the National Conference on Recent Advances in Manufacturing Technologies, Baruipur, Kolkata	p.14, 2019
126	Rajiv Ranjan Singh, Santanu Das, Ravi Ranjan Singh	Effects of air flow field around the grinding wheel	Proceedings of the National Conference on Recent Advances in Manufacturing Technologies, Baruipur, Kolkata	p.36, 2019
127	Amit Banerjee and Santanu Das	A review on machinability study in milling during machining of hard steel	Proceedings of the National Conference on Recent Advances in Manufacturing Technologies, Baruipur, Kolkata	p.37, 2019
128	Arup Kumar Biswas, Santanu Das and Sanjoy Das	Comparison of lip profiles for micro-indentation of a smooth rigid wedge to a semi-infinite block by finite element analysis and numerical slip-line field techniques	Proceedings of the National Conference on Recent Advances in Manufacturing Technologies, Baruipur, Kolkata	Paper presented, 2019
129	Manas Kumar Saha and Santanu Das	Enhancing corrosion resistance of 316 austenitic stainless steel cladding through a buttering layer of nickel	Proceedings of the National Welding Meet, 2019, New Delhi	p.29, 2019
130	Santanu Das	Installations of rain water harvesting system: need for its immediate installation	Proceedings of the National Seminar on Water: Crisis and Conservation, Kolkata	Paper presented, 2019
131	Subhajit Bhattacharya, Kazi Sabiruddin and Santanu Das	Optimization of gas metal arc welding of high carbon steel using the AHP	Proceedings of the IEEE-National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTE2020), February 07-08, 2020, Durgapur	2020
132	Subhodwip Saha, Santanu Das and Subrata Mondal	A Review on Weldability of Austenitic Stainless Steels Used in Advanced Ultra-Supercritical Power Plant Applications	eSouvenir of the National Welding Seminar, 2020-21, Baroda	pp.51-70, 2021
133	Tapas Bera and Santanu Das	Estimation of Properties of Dissimilar Metal Welded Joints Using Artificial Neural Network (ANN)	eSouvenir of the National Welding Seminar, 2020-21, Baroda	pp.106-113, 2021
134	Shiladitya Ray and Santanu Das	Investigation on the Effect of Binary Flux Mixture on Activated Tungsten Inert Gas Welding of Stainless Steel	eSouvenir of the National Welding Seminar, 2020-21, Baroda	pp.149-163, 2021
135	Saptarshi Ghosh, Somnath Bera, Rajkumar Thakur, Gopinath Banerjee, Subhajit Debnath, Manas Kumar Saha, Santanu Das	Application of the Analytic Hierarchy Process to Evaluate Optimal Bead Weld Conditions for Facilitating Weld Cladding	Proceedings of the National Seminar on 'Welding Science and Technology- Present Status & Future Direction' (NSWEST 2021), July 23-24 2021	2021
136	Aritra Das and Santanu Das	Selection of Appropriate Welding Process for Joining	Proceedings of the National Seminar on 'Welding Science and Technology- Present	2021

		Nodular Cast Iron through the AHP	Status & Future Direction' (NSWEST 2021), July 23-24 2021	
137	Aritra Das and Santanu Das	Prediction of Bead Geometry of Gas Metal Arc Welded Workpiece Using Artificial Neural Networks	Proceedings of the National Seminar on 'Welding Science and Technology- Present Status & Future Direction' (NSWEST 2021), July 23-24 2021	2021
138	Tapas Bera, Sudip Santra and Santanu Das	Development of AHP-ANN Hybrid Network for the Prediction of Response of Similar and Dissimilar Weld Joints Using RSW Process	Proceedings of the National Seminar on 'Welding Science and Technology- Present Status & Future Direction' (NSWEST 2021), July 23-24 2021	2021

#### Magazine Papers

No.	Name of Authors	Title of the Paper	Name of the Magazine	Details of Publication
1	Santanu Das and A.B. Chattopadhyay	Tool Condition Monitoring by Acoustic Emission	Designer'94, A Magazine of mechanical Engineering Dept., IIT, Kharagpur	Vol.24, p.5,11, 1994
2	Santanu Das	Dhaatu Katar Eetibritta (in Bengali) (History of Metal Cutting)	Prakriti: Vigyan O Samaj Vishayak Patrika	Vol.3, No.1, pp.9-16, 2001
3	Santanu Das	Ei Biswa Jagat ki Prahelikamay (Bengali Translation of "Is the Universe Mysterious?" by Heman Levy)	Prakriti: Vigyan O Samaj Vishayak Patrika	Vol.4, No.1, pp.14-19, 2002
4	S. Choudhary, S.K. Nath, A. Bhattacharya, S. Banerjee and Dr. Santanu Das	Finding out an Efficient Anti-Loosening Bolt	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.III, pp.9-12, 2002.
5	Dr. Santanu Das	Advances and Recent Trends in Grinding Technology	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.IV, pp.18-20, 2003.
6	S. Chatterjee and Dr. Santanu Das	Few Advances in Milling Cutters	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.VI, pp.1-7, 2005.
7	B. Mandal and Dr. Santanu Das	Observation of Chip Formation in Different Tool Conditions and Cutting Parameters	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.VII, pp.13-18, 2006.
8	A. Sen, Santanu Das and A. Bhattacharya	A Study on Loosening Characteristics of Threaded Fasteners	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.VII, pp.24-32, 2006.
9	P.P. Saha, D. Das and Santanu Das	Workpiece Edge Beveling to Control Formation of Burr in Face Milling	Reason- The Technical Magazine of Kalyani Govt. Engineering College	Vol.VIII, pp.12-16, 2008.
10	B. Mandal, D. Biswas, A. Sarkar and Santanu Das	Improving Grinding Performance through Optimum Cutting Fluid Application	Reason- A Technical Magazine	Vol. IX, pp.29-33, 2010.
11	A. Das and Santanu Das	An Overview on Drills and its Geometry	Reason- A Technical Magazine	Vol. IX, pp.34-37, 2010.
12	B. Chakrabarti and Dr. Santanu Das	Cladding- A Modern Technique to Produce Corrosion Resistant Surfaces	Reason- A Technical Magazine	Vol. IX, pp.44-47, 2010.
13	B. Panja and	Laser Welding and its Application	Reason- A Technical Magazine	Vol.IX, pp.48-

	Dr. Santanu Das			52, 2010.
14	Dr. Santanu Das	A Brief Overview on the History of Development of Machine Tools	Reason- A Technical Magazine	Vol. IX, pp.53-59, 2010.
15	M. Kundu, S. Pal, S. Bhui, B. Hansda and Santanu Das	Flexible Materials: Possibility to Use in a Robot Finger	Bulletin of the Association of Machines and Mechanisms	Vol.7, No.1, p.18, 2015
16	Avishek Mukherjee, Monojit Layek, Swarup Jana, Bisal Karmakar and Santanu Das	Development of a Magnetic Reciprocating Engine	Bulletin of the Association of Machines and Mechanisms	Vol.10, No.3, pp.4-6, 2018
17	Santanu Das and Samarendra Acharya	Effect of activating flux in gas tungsten arc welding	WeldFab Tech Times	Vol.4, No.3 (December 2020-January 2021), pp.12-21, 2021

### Workshop Papers

No.	Name of Authors	Title of the Paper	Name of the Magazine	Details of Publication
1	Santanu Das	A road towards effective application of cutting fluid: cryo-machining and cryo-grinding	Proceedings of the Workshop on Scope for Application of Cryogenics in Rapidly Changing Scenario of Haldia, Haldia, India	p. 97, 2000
2	K. Sabiruddin and Santanu Das	Characterisation of gas metal arc welding of different steels	Proceedings of the All India Workshop on Advances in Welding Science and Technology, Shibpur, Howrah	2005
3	Santanu Das	On-line condition monitoring of cutting tools- a need for computer aided machining systems	Research Workshop on Computer Aided Engineering, Haldia	pp.13-24, 2006
4	B. Halder, S.S. Adhikari, A.B. Chattopadhyay and Santanu Das	Machinability study of inconel 718 in turning	Two-Day Research Workshop on Advances in Machining and Grinding Technology, Kalyani	pp.1-10, 2006
5	Santanu Das	Towards effective application of fluid in machining and grinding	Two-Day Research Workshop on Advances in Machining and Grinding Technology, Kalyani	pp.20-29, 2006
6	Santanu Das	Condition monitoring of cutting tools on-line- a need for machining systems	Two-Day Research Workshop on Advances in Machining and Grinding Technology, Kalyani	pp.30-46, 2006
7	S. Chatterjee and Santanu Das	Characterisation of micro electric discharge machining	Two-Day Research Workshop on Advances in Machining and Grinding Technology, Kalyani	pp.47-53, 2006
8	Santanu Das	Processing of near-net-shape manufactured workpiece through grinding and drilling	Workshop on Rheo-Pressure Die Casting Technology, Durgapur, India	2014
9	B. Bhuniya, P. Das, A. Maity, T. Ray and Santanu Das	Numerical simulation of flow behavior of molten Al-Si alloy during high pressure die casting mould filling of knuckle housing	Proceedings of the National Workshop on Investment Casting Process Technology, Jadavpur, Kolkata, India	2015
10	Santanu Das	Investigation on machinability of steels with different ceramic cutting	Proceedings of the National Workshop on Machining and	p.6, 2016



		tools	Machinability of Advanced Materials, Durgapur, India	
11	Misra, D., Santanu Das and Saha, P.P.	Drilling Burr Reduction Using an Adhesive as a Backup Support	Proceedings of the National Workshop on Machining and Machinability of Advanced Materials, Durgapur, India	p.16, 2016

### Training Course Papers

No.	Name of Authors	Title of the Paper	Name of the Magazine	Details of Publication
1	Dr. Santanu Das	Advancement in the Technology of Grinding	STTP on “Opportunities and Challenges in High Precision Manufacturing: Vision 2020”, Lonere, Maharashtra	2002
2	Dr. Santanu Das	Use of Cryogens as Cutting Fluid: Improvement over Conventional Fluid for Manufacturing of the Future	STTP on “Opportunities and Challenges in High Precision Manufacturing: Vision 2020”, Lonere, Maharashtra	2002
3	Dr. Santanu Das	Brief Overview the Tool Condition Monitoring Systems and Applications of the AHP and NN Models	STTP on “Opportunities and Challenges in High Precision Manufacturing: Vision 2020”, Lonere, Maharashtra	2002
4	Dr. Santanu Das	Recent Trends in Grinding Technology	STTP on “Advanced Manufacturing Systems”, Hamirpur, Himachal Pradesh	2002-2003
5	Dr. Santanu Das	Improving Grinding Performance through Effective Application of Cutting Fluid	STTP on “Advanced Manufacturing Systems”, Hamirpur, Himachal Pradesh	2002-2003
6	Dr. Santanu Das	A Brief Overview on the Tool Condition Monitoring Techniques	STTP on “Advanced Manufacturing Systems”, Hamirpur, Himachal Pradesh	2002-2003
7	Dr. Santanu Das	Maintenance of Machine Tool Systems	3-Weeks Refresher Course on “Reliability, Availability and Maintainability Engineering”, Jadavpur, Kolkata	2009
8	Dr. Santanu Das	Visualisation	3-Weeks Refresher Course on “Inner Engineering”, Jadavpur, Kolkata	2012
9	Dr. Santanu Das	Major Welding Processes	Training Course on “Steel in Applications”, JIS College of Engineering, Kalyani	2015

### Books/Proceedings Edited

No.	Name of Authors/ Editors	Title of the Book	Name of the Publisher	Details of Publication
1	Dr. Santanu Das and Dibyendu Chatterjee	Recent Trends in Manufacturing [ISBN: 81-88901-04-0]	Elite Publishing House Pvt. Ltd., New Delhi	2003
2	Dr. Santanu Das and Dibyendu Chatterjee	Souvenir of the Conference on Advances and Recent Trends in Manufacturing	Kalyani Govt. Engineering College, Kalyani, India	2003
3	Dr. Santanu Das and Anirban Bhattacharya	Proceedings of the 2-Day Research Workshop on Advances in machining and	Kalyani Govt. Engineering College, Kalyani, India	2006

		Grinding Technology		
4	Dr. Santanu Das and Sanchayan Mukherjee	Proceedings of the National Conference on Trends and Advances in Computer Aided Design and Engineering	Kalyani Govt. Engineering College, Kalyani, India	2007
5	Dr. Santanu Das	Souvenir of the National Welding Seminar, Kolkata	The Indian Institute of Welding	2016
6	Dr. Santanu Das	Souvenir of the Seminar, WELD 2018 on Latest Technology and Skill Development in Welding, Kolkata	The Indian Institute of Welding, Kolkata Branch	2018
7	Dr. Santanu Das and Dr. Sanchayan Mukherjee	Souvenir of the Seminar on Challenges and Prospects of Engineering Professionals in India	The Association of Engineer, India	2018
8	Prof. Dr. Santanu Das and Dr. Sanchayan Mukherjee	Abstract Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME 2019)	The Association of Engineer, India	2018
9	Prof. Dr. Santanu Das	Souvenir of the Seminar, WELD 2019 on “Advances in Welding, Automation & Robotics for Cost Effective Manufacturing”	The Indian Institute of Welding, Kolkata Branch	2019
10	Prof. Dr. Santanu Das	Souvenir of the Seminar, WELD 2020 on “Realigning the Welding Education to Meet the Challenges of Industry 4.0”	The Indian Institute of Welding, Kolkata Branch	2020
11	Prof. Dr. Santanu Das, Dr. Agnita Kundu, Smt. Sohini Chakrabarti and Dr. Madhulika Ghose	The e-Abstract Proceedings of the Two-Day International Webinar on “History of Science”	Institute of Science, Education and Culture, Kolkata	2020
12	Prof. Dr. Santanu Das, Dr. Agnita Kundu, Smt. Sohini Chakrabarti and Dr. Madhulika Ghose	Abstract Proceedings of the Two-Day International Webinar on “History of Science” [ISBN: 978-93-81042-00-7]	Institute of Science, Education and Culture, Kolkata	2020
13	Sadhan Kumar Ghosh, Koushik Ghosh, Santanu Das, Pranab Kumar Dan and Arijit Kundu	Lecture Notes in Mechanical Engineering: Advances in Thermal Engineering, Manufacturing, and Production Management- Select Proceedings of ICTEMA 2020 [ISBN: 978-981-16-2346-2, eBook ISBN: 978-981-16-2347-9] [ISSN: 2195-4356, e ISSN: 2195-4364] (DOI: 10.1007/978-981-16-2347-9)	Springer Nature Singapore Pte Ltd., Singapore	2021

#### Magazine Edited

No.	Name of Editor(s)	Title of the Magazine	Name of the Publisher	Details of Publication
1	Dr. Santanu Das as Joint Editor	Reason- A Technical Magazine	Kalyani Govt. Engineering College, Kalyani, India	Vol. 8, 2007 & 2008
2	Dr. Santanu Das as Editor	Reason- A Technical Magazine	Kalyani Govt. Engineering College, Kalyani, India	Vol. 9, 2009 & 2010
3	Dr. Santanu Das as the Editor in-Chief	Bulletin of the Association of Machines and Mechanisms	Association of Machines and Mechanisms, Chennai, India	Vol.6, No.2, 2014 to Vol.11, No.3, 2019

**Technical Journal Edited**

No.	Name of Editor(s)	Title of the Journal	Name of the Publisher	Details of Publication
1	Dr. Santanu Das as Editor	Reason- A Technical Magazine [ISSN: 2277-1654]	Kalyani Govt. Engineering College, Kalyani, India	Vol. 10, 2011 and Vol.11, 2012
2	Dr. Santanu Das as Editor	Reason- A Technical Journal [ISSN: 2277-1654]	Kalyani Govt. Engineering College, Kalyani, India	Since Vol. 12, 2013 to Vol. 15 2016.
	Dr. Santanu Das and Dr. Sanchayan Mukherjee as the Editors			Vol. 17, 2018, Vol.18, 2019
3	Dr. Santanu Das as Joint Editor			Vol. 16, 2017, Vol. 19, 2020
4	Dr. Santanu Das as Acting Editor and then as the Editor	Journal of the Association of Engineers, India [ISSN: 0368-1106- Print]	The Association of Engineers, India, Kolkata, India	Since Vol.82 (1&2), 2012
5	Dr. Santanu Das as the Joint Editor	Indian Welding Journal [ISSN: 0046-9092- Print]	Indian Institute of Welding, Kolkata, India	Since Vol. 47(1) 2014 to Vol. 48(4) 2015
6	Dr. Santanu Das as the Chief Editor	Indian Welding Journal [ISSN: 0046-9092- Print]	Indian Institute of Welding, Kolkata, India	Since Vol. 49(1), 2016
7	Dr. Santanu Das as one of the Editors	Indian Science Cruiser [ISSN: 0970-4256- Print]	Institute of Science, Education and Culture, Kolkata, India	Since Vol.28 (1), 2014
8	Dr. Santanu Das as Managing Editor	Indian Science Cruiser [ISSN: 0970-4256- Print]	Institute of Science, Education and Culture, Kolkata, India	Since Vol.34 (2), 2020

**Books Reviewed**

No.	Title of the Book	Writer(s)	Publisher	Remarks
1	And the Angel Speaks	Prof. Madhusudan Bhattacharyya	National Association of Corrosion Engineers (NACE) International Gateway, India Section- East Zone, Kolkata	Published in The Journal of The Association of Engineers, India, Vol.82, No.3&4, 2012, p.56.
2	Development of Life Skills-II	Shalini Verma	Vikas Publishing House Pvt. Ltd., Noida, UP	Published in The Journal of The Association of Engineers, India, Vol.85, No.1&2, 2015, p.80.
3	Nanofabrication, MEMS and Nanotechnology	Prof. Bijoy Bhattacharyya	William Andrew Applied Science Publishers, An Imprint of Elsevier, UK	Published in The Journal of The Association of Engineers, India, Vol.85, No.3&4, 2015, p.61.
4	Pulsed Current Gas Metal Arc Welding: Characteristics, Control and Applications	Dr. Prakriti Kumar Ghosh	Springer, Singapore	Published in Indian Welding Journal, Vol.50, No.3, 2017, p.31.
5	Fluid Mechanics: Theory, Numerical Problems and Solutions	Prof. Nirjhar Roy and Ranadhir Kr. Biswas	Media Promoters and Publishers Pvt. Ltd., Mumbai	Published in The Journal of The Association of Engineers, India, Vol.87, No.3&4, 2017, p.60.
6	WBUT Organizer Examination Guide	-----	Polpular Publications, Kolkata	Submitted the review report to the publisher
7	Practical Guide to Costing: A Panoramic View of Application of Cost Accounting Principles	CMA, CS, Rajesh Kapadia	Hemdip Agencies, Vadodara, Gujarat	Published in The Journal of The Association of Engineers, India, Vol.88, No.3&4, 2018.

[Prof. Santanu Das]