

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationalit	Sex	Marital Status
Dr.Saadat Ali	Rizvi	07/09/1976	Indian	Male	Married

Telephone/Mobile No	Passport	E-mail	DOI	DOE
+91-07531026305/ 0931-9946-525	P0391480	<u>saritbhu@gmail.com/</u> <u>sarizvi1@jmi.ac.in</u>	28/6/2016	27/6/2026

Present & Permanent address

Present/Permanent
156/1-Near Sector-10 Gate, Zaidi Nagar Society, Meerut (UP), INDIA

Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended	Received Date	Division
Ph.D.	Welding	I.I.T (BHU), Varanasi, (UP)	2018	9/10 SGPA
M.E	Mechanical Engineering (Production Engineering)	University of Delhi, India (Delhi College of Engineering)	2007	I st
B.E.	Mechanical Engineering	Institution of Mechanical Engineers(India),India	2004	Pass in Sec-A & Sec-B
Engineering Diploma	Production Engineering	D.N Polytechnic, Meerut(UP) (UPTBE,Lucknow)	1996	I st

Title of Post-Graduate Thesis: Mathematical Modeling of surface roughness in turning of EN 8 with Carbide Tool.

Title of Ph.D. Thesis: Effect of GMA welding parameters on mechanical properties and microstructure of IS 2062 and AISI 304 steels.

Academic Positions: (Last One First)

Title of Position	Department	Date		Name of Institution
		From	To	
<i>Workshop Superintendent (Assistant Professor Grade) (Faculty member)</i>	<i>FOE&T University Polytechnic</i>	<i>26/07/2013</i>	<i>Till Date</i>	<i>Jamia Millia Islamia (A Central University),New Delhi</i>
<i>Assistant Professor</i>	<i>Mechanical Engineering</i>	<i>01/02/2010</i>	<i>25/07/13</i>	<i>Translam Institute of Technology & Management, Meerut(UP), INDIA (AKTU, Affiliated)</i>
<i>Sr. Lecturer</i>	<i>Mechanical Engineering</i>	<i>21/08/2009</i>	<i>14/01/10</i>	<i>Meerut Institute of Technology ,Meerut(UP,) INDIA (AKTU, Affiliated)</i>

<i>Lecturer</i>	<i>Mechanical Engineering</i>	<i>20/08/2008</i>	<i>18/07/09</i>	<i>Radha Govind Engineering College Meerut(UP), (AKTU, Affiliated)</i>
<i>Lecturer</i>	<i>Mechanical Engineering</i>	<i>25/07/2007</i>	<i>20/08/08</i>	<i>S.C.R.I.E.T(CCS University, Meerut)</i>
	<i>Mechanical Engineering</i>	<i>17/10/01</i>	<i>28/07/07</i>	<i>Krishna Institute of Engg & Tech, Muradnagar (GZB) (AKTU, Affiliated)</i>

Master Thesis Supervision:

S. No	Full Name of Student	Level	Title of Thesis	Status	Institute	Year
<i>1</i>	<i>Sunil Kr.Sharma</i>	<i>M.Tech</i>	<i>Effect of various parameters on turning of AISI 8620 on Turning operation</i>	<i>Co-guide</i>	<i>MITS, Gwalior</i>	<i>2014</i>

Publications: A: Books

Title	Type of Work	Publisher's Address	Date of Publication
	Written		
<i>(1) Advanced Welding Technology</i>	<i>✓</i>	<i>Katariya Publication, New Delhi, INDIA</i>	<i>2008</i>
<i>(2) Manufacturing Science-IInd</i>	<i>✓</i>	<i>Katariya Publication, New Delhi, INDIA</i>	<i>2011</i>
<i>(3) Manufacturing Science-Ist</i>	<i>✓</i>	<i>Katariya Publication, New Delhi, INDIA</i>	<i>2012</i>
<i>(4) Welding Technology</i>	<i>14 Lessons</i>	<i>National Institute of open school, Noida</i>	<i>Under Publication</i>

B: Papers

Title of Paper	Place of Publication	Date of Publication
<i>Saadat Ali Rizvi, Wajahat Ali "Mathematical Modeling of surface roughness in turning of EN8 with carbide tool"</i>	<i>CPIE-2010 (Dr.BRANIT,Jalandhar) (India) (In International Conference)</i>	<i>03-05DEC-2010</i>
<i>Jyoti Prakash, SP Tewari, BK Srivastava, Saadat Ali Rizvi, "Needs and future of Today's welding industry- An overview"</i>	<i>ICAM-2012 (IIT-BHU) (In International Conference)</i>	<i>16-19 DEC-2012</i>
<i>Saadat Ali Rizvi, SP Tewari, Wajahat Ali "Weldability of Steels and its alloys under different conditions- A Review"</i>	<i>"International Journal of Science, Engineering and Technology Research" (IJSETR)</i>	<i>10-03-2013</i>
<i>SK Sharma, Saadat Ali Rizvi, RP Kori " Optimization of Process Parameters in Turning of AISI 8620 Steel Using Taguchi and Grey Taguchi Analysis "</i>	<i>International Journal of Engineering Research and Application" (IJERA)</i>	<i>March 2014</i>
<i>SK Sharma, Saadat Ali Rizvi, RP Kori "Optimization of Machining Parameters of AISI 8620 Steel with Taguchi and Grey Taguchi Analysis "</i>	<i>NCM&C-2014 (AKGEC, Ghaziabad) (In National Conference)</i>	<i>4-5 March 2014</i>
<i>Saadat Ali Rizvi, SP Tewari, Wajahat Ali "Some Study of Friction Stir Welding-A Review"</i>	<i>"International Journal of Research" (IJSETR)</i>	<i>Feb- 2015</i>

Saadat Ali Rizvi, Wajahat Ali “Optimization of machining parameters in dry turning of IS 2062 with Taguchi Technique	<i>“International Journal of Innovative Research in Science, Engineering and Technology” (IJIRSET)</i>	16 Aug-2015
Rajnish Singh, Saadat Ali Rizvi , and S.P Tewari “Design and Fabrication of Friction Stir Welding Fixture with a New Approach”	<i>“Elixir International Journal”</i> 86 (2015) 34844-34846	01 Sep-2015
Saadat Ali Rizvi , SP Tewari, Wajahat Ali “Effect of Shielding Gases on Weld Quality in GTA & GMA Welding—A Review”	<i>“Elixir International Journal”</i> 88 (2015) 36692-36698	01 Dec-2015
Saadat Ali Rizvi , Wajahat Ali, Mumtaz Ahmad, “Some Study of Machinability by Turning Process-A Review”	<i>International Journal of Interdisciplinary Research Centre (IJIRC), Vol. II, Issue 6,(2016),1-20</i>	6 June -2016
Saadat Ali Rizvi , Wajahat Ali, “A Review on Machinability of different material by Turning Process”	<i>Journal of Mechanical and machines, Vol-2, Issue-3 (2016) 28-58</i>	31 Oct -2016
Saadat Ali Rizvi , Wajahat Ali, “Optimization of machining parameters affecting surface roughness of EN8 Steel in CNC Turning by Using the Taguchi Technique”	<i>Journal of Mechanical and machines, Vol-2, Issue-3 (2016) 59-71</i>	06 Dec- 2016
Saadat Ali Rizvi , SP Tewari, Wajahat Ali “Application of Taguchi Technique to optimize the process parameters of MIG welding on IS2062 steel”	<i>International Journal on Emerging Trends in Mechanical & Production Engineering, Vol. 2, Issue 2 (2016) 1-11</i>	17 Dec- 2016
Rajnish Singh, Saadat Ali Rizvi , and S.P Tewari “Effect of Friction Stir Welding on the Tensile Properties of AA6063 under Different Conditions”	<i>International Journal of Engineering (SCOPUS Indexed Journal), Vol. 30, No. 4 (2017) 597-603</i>	April 2017
Saadat Ali Rizvi , SP Tewari “Effect of different Welding Parameters on the mechanical and microstructural properties of SS 304H welded joints”	<i>International Journal of Engineering (SCOPUS Indexed Journal), Vol. 30, No. 10 (2017) 1510-1516</i>	3 rd Oct-2017
Saadat Ali Rizvi , Wajahat Ali, “Determination the Effect of machining Parameters on roughness in Turning operation of DIN 17210 Steel using Taguchi technique”	<i>Journal of Production Engineering JPE (2017) Vol.20 (2),7-12</i>	Dec-2017
Saadat Ali Rizvi , SP Tewari “Multi-objective optimization by application of Taguchi based Grey relational analysis for GMA welding of IS2062 structural steel”	<i>Mechanics and Mechanical Engineering (SCOPUS Indexed Journal) Vol. 21, No. 3 (2017) 717–729</i>	21 th Nov-2017
Abhishek Mishra, Rajnish Singh, Saadat Ali Rizvi , “Fabrication and Vibration Analysis on Friction Stir Welding Fixture for Mass Production”	<i>Mechanics and Mechanical Engineering (SCOPUS Indexed Journal) Vol. 21, No. 3 (2017) 531–540</i>	21 th Nov-2017
Saadat Ali Rizvi , SP Tewari, “Optimization of GMA welding parameters of SS304 Austenitic Steel by Taguchi –Grey relational analysis”	<i>Journal of Computational and applied research in Mechanical Engineering, (SCOPUS Indexed Journal) Vol. 7, Issue 2 (2018) 191-200</i>	13 Mar-2018

Saadat Ali Rizvi , SP Tewari, “Effect of the Shielding Gas Flow Rate on Mechanical Properties and Microstructure of Structural Steel (IS2062) Welds”	<i>Mechanics and Mechanical Engineering (SCOPUS Indexed Journal)</i> Vol. 4, No. 4 (2017) 971–984	16March-2018
Saadat Ali Rizvi , Mumtaz Ahmad, “Effect of heat input on the microstructure and mechanical properties of a Welded joint -A Review”	<i>International Journal of Applied Engineering Research (IJAER)</i> Vol. 13, No. 06, 2018,183-188 Special Issues	Oct-2018
Saadat Ali Rizvi , “Optimization of welding parameters and microstructure and fracture mode characterization of GMA welding by using Taguchi method on SS304H austenitic steel”	<i>Int. Rev. Appl. Sci. Eng. (SCOPUS Indexed Journal)</i> Vol. 9 ,No.1,2018, 9-16	June -2018
Saadat Ali Rizvi , SP Tewari, “Optimization of welding parameters by using Taguchi method and study of fracture mode characterization of SS304H welded by GMA welding”	<i>JJMIE (SCOPUS Indexed Journal)</i> Vol. 12 ,No.1,2018,17-22	06 th Aug-2018
SP Tewari, Saadat Ali Rizvi , “Experimental Investigation of the Effect of shielding gas in GMA welding of AISI 304H Austenitic Stainless Steel”	322nd International Conference on Science, Engineering & Technology - ICSET 2018 16th - 17th December 2018 in New York , USA	Dec-2018
Abhishek Mishra, Rajnish Singh, Saadat Ali Rizvi , "Effect of Process Parameter for Heat generation in Friction Stir Welding”	<i>Ro. J. Technical Science- Appl. Mechanics</i> , Vol. 64, No.1,2019 3–10, Bucharest	Mar-2019
Saadat Ali Rizvi , Wajahat Ali, “Integration of grey-based Taguchi technique in optimization of parameters process during the turning operation of 16MnCr5 steel”	<i>International Journal of Industrial Engineering & Production Research, (SCOPUS indexed journal)</i> Vol. 30,No.30,2019,245-254	16 th Sep-2019
Saadat Ali Rizvi , “Grey based Taguchi technique for optimization of MIG welding process parameters of AISI 304 Austenitic stainless steel”	<i>Journal of the Chinese Society of Mechanical Engineers</i> Vol. 40, No.6,2020,733-740 (SCI-E Indexed Journal)	1 st Dec-2019
Saadat Ali Rizvi , Wajahat Ali, “Welding defects-A review”	<i>Indian Welding Journal (A UGC Approved Journal)</i> Vol. 53,No.1,2020,42-47	26 th Jan-2020
Saadat Ali Rizvi “Effect of welding process parameters on toughness and Microstructure characterization of IS 2062 Grade A structural steel weldment”	<i>Indian Welding Journal (A UGC Approved Journal)</i> Vol. 53,No.1,2020,74-79	26 th Jan-2020
Saadat Ali Rizvi , Wajahat Ali, “Multi-attribute decision making parametric optimization in weld bead by gas metal arc welding through grey relation analysis: A case study	<i>International Journal of Engineering, Science and Technology</i> Vol. 12, No. 2, 2020, 59-66	2 nd June-2020
Saadat Ali Rizvi “Effect of Heat Input on Microstructural and Mechanical Properties of AISI 304 Welded Joint Via MIG Welding”	<i>International Journal of Engineering (IJE) (SCOPUS indexed journal)</i> Vol. 33, No.9(2020) 1811-1816	1 st Sep-2020
Saadat Ali Rizvi , Rajnish Singh, Saurabh Kumar Gupta" The impact of heat input on the mechanical properties and microstructure of High Strength Low Alloy steel welded joint by GMA welding process”	<i>Engineering Solid Mechanics (SCOPUS indexed journal)</i> Vol. 9, No.3, 2021,1811-1816	1 st Jan-2021

Saadat Ali Rizvi , Wajahat Ali, “Development of mathematical model and optimization of GMA welding parameters of IS 2062 grade A steel weldment”	<i>Frattura ed Integrità Strutturale</i> (SCOPUS indexed journal) 56 (2021) 84-93	01 st Apr-2021
Rajnish Singh, Saadat Ali Rizvi , Kuldeep K Saxena , S. S. Godara “Microstructure characterisation and mechanical behaviour of AA 6063 T-6 welded joint by friction stir welding”	<i>Advances in Materials and Processing Technologies</i> (Taylor & Francis) (2021) 1-11	15 th June-2021
Saadat Ali Rizvi “ RSM approach for modelling and optimization of weld bead characteristics during the welding of IS 2062 grade A steel”	<i>Academic Journal of Manufacturing Engineering</i> (SCOPUS indexed journal) Vol.19, No.2,2021,77-84	5 th July-2021
Saadat Ali Rizvi , Wajahat Ali , “An artificial neural network approach to prediction of surface roughness and material removal rate in CNC turning of C40 steel”	<i>International Journal of Industrial Engineering & Production Research</i> , (SCOPUS indexed journal) Vol. 32, No.3, 2021, 1-10	16 th Aug-2021
Saadat Ali Rizvi , Wajahat Ali, “Mathematical Modelling and optimization of surface roughness and material removal rate in CNC Turning of AISI 1040 steel”	<i>Academic Journal of Manufacturing Engineering</i> (SCOPUS indexed journal) Vol.19, No.3, 2021, 50-57	1 st Oct-2021
Saadat Ali Rizvi , Wajahat Ali, “ Analysis of surface roughness and material removal rate in machining of AISI 1040 steel using CNC turning process ”	<i>International journal of innovation in Engineering</i> , Vol 1, No 3, 8-19	1 th Oct-2021
Ritesh Jaiswal, Rajnish Singh, Saadat Ali Rizvi , “Prediction of 3-dimensional heat treatment model during the friction stir spot welding of AA 6061 ”	<i>Journal of Engineering Research (JER)</i> (SCIE indexed journal) 1-16	15 th Nov-2021
Saurabh Kumar gupta, Rajnish Singh, Saadat Ali Rizvi , “Effect of input variable of GMAW on microstructure and mechanical properties of High Strength Low Alloy”	<i>Indian Journal of Engineering & Materials Sciences</i> Vol. 29, April 2022, (SCI indexed journal) 228-236	24 th May-2022
Saadat Ali Rizvi , Wajahat Ali, “ Application of grey based fuzzy logic algorithm in MIG welding-A case study”	<i>Engineering Science and Technology, an International Journal (JSTECH)</i> (SCIE indexed journal) 42(2023)101431 1-10	29 th Apr-2023
Saadat Ali Rizvi , Wajahat Ali, Mumtaz Ahmad, “Microstructure behaviour Evolutions in the Heat-Affected Zone and Fusion Zones of the AISI 304 Stainless Steels weldment in double pass weld ”	<i>ICFAMMT- 2024</i> <i>Lecture notes in Mechanical Engineering (Advances in Manufacturing Engineering)</i> 179-187	31 st July-2024

Reviewer of Journals

S.No	Name of Journal	Indexed	Country	Remark
1	<i>Journal of Computational & Applied Research in Mechanical Engineering (JCARME)</i>	SCOPUS	Iran	
2	<i>Engineering Journal (EJ)</i>	SCOPUS	Thailand	
3	<i>JMST</i>	SCI	Korea	
4	<i>Tikrit Journal of Engineering Sciences (TJES)</i>		Iraq	

5	<i>Materials Today: Proceedings</i>	<i>SCOPUS</i>		
6	<i>Journal of Advances in Science and Engineering</i>	<i>crossref</i>	<i>Nigeria</i>	<i>Editor</i>

Lecture delivered

S.No	Venue	Date	Topic	Department
1	SCRIET(CCS University) , Meerut (UP)	25/03/2017	An Introduction of Welding Processes	Mechanical Engg Dept.
2	IE(I) LC, Meerut, (UP)	30/07/2017	Modern Welding Technique	Local centre of IE
3	D.N Polytechnic, Meerut	17/11/2017	Welding process an Introduction	Mechanical Engg.
4	IE(I) LC, Thiruvananthapuram, Kerala	29/11/2017	Brief Introduction of Welding	Local centre of IE
5	IE(I) LC, Meerut, (UP)	15/07/2018	Seven Quality Control Tools	Local centre of IE
6	ABES Engineering College, Ghaziabad,(UP)	24/10/2018	An Introduction of Friction Stir Welding Processes	Mechanical Engg Dept.
7	IE(I) LC, Meerut, (UP)	30/06/2019	Supply Chain Management	Local centre of IE
8	Teerthanker Mahaveer University, MBD, (UP) Mechanical Engg Dept.	07/11/2020	Introduction of Welding Technology	University Polytechnic
9	IE(I) LC, Thiruvananthapuram, Kerala	29/01/2024	Introduction of Electric vehicle	Local centre of IE

Diploma Engineering Project guided

S.No	Project Title	Year of completing
1	Some Study of Friction Stir Welding (FSW)	2015
2	Design & fabrication of Weld bend apparatus	2017
3	Design & fabrication of Weld fatigue testing machine (Part-Time Students)	2017
4	Design & fabrication of a portable Spot Welding machine	2018
5	Design & fabrication of a single-phase welding machine	2020
6	Redesign & fabrication of a spot welding machine	2022
7	Design & fabrication of a friction welding machine	2023

National and International Work Shop/Conference Attended:

S.No	Venue	Date	Topic	Department
1	KIET,GZB (UP)	9 to 10 FEB-2007	Advances in Arc welding Process	Mechanical Engg Dept.
2	KIET,GZB (UP)	5 th NOV-2011	Advances in Materials	Mechanical Engg Dept.
3	BHU,VRS (UP)	25 to 26 FEB-2012	Under Standing Minorities in India & Canada	Canadian Studies Development Programme

4	BHU,VRS (UP)	24 th JAN-2013	How to write for & get Published in Scientific Journals & Public Manuscripts	Central Library, BHU (Conducted by Springer)
5	BHU,VRS (UP)	16 th to 18 th FEB-2014	National Symposium on Miniature Manufacturing in 21 st Century	Mechanical Engg Dept.
6	KIET,GZB (UP)	25 th to 26 th FEB-2014	Tools and Technique used for thermal cooling	Mechanical Engg Dept.
7	KIET,GZB (UP)	20 th -21 th July-2018	International Conference on Recent Trends and Innovations in Mechanical Engineering (ICRTIME 2018)	Mechanical Engg Dept.
8	IIT(BHU),Varanasi, (UP)	17 th -21 th June - 2019	Short term course on “ Material Characterization for Engineers	School of Material Science & Technology
9	Conference Hall, JNU, New Delhi	9 th Aug -2019	Emerging trends in welding Technology and welding education	School of Engineering
10	DTU, New Delhi	22 th -23 rd Aug -2019	Recent trends in welding Technology	Mechanical Engg Dept.

Research Interests: Welding, Manufacturing process & Science, Material Science, Machinability, Casting,TQM,Optimization etc.

Faculty Development Programme Attended:

S.No	Venue	Date	Topic	Department
1	ABES,GZB (UP)	2 nd - 6 th July-2018	Reconfigurable manufacturing system: Research Potential	Mechanical Engg Dept.
2	JSS Academy of Technical Education, Noida	8 th - 20 th July-2019	Mechanical Design Techniques for Academic and Industrial Environment	Mechanical Engg Dept.
3	Indian Institute of Technology, Delhi	9 th -13 th Dec-2019	Joining of Advanced Materials	Mechanical Engg Dept.
4	National Institute of Technology Silchar, Assam	04 th -08 th , Aug- 2020 (Webinar)	Interdisciplinary Approach of Tribology in Engineering and Biomedical Research (IATEBR)	Mechanical Engg Dept.
5	SRM Institute of Science and Technology, Chennai	24 th -28 th Aug-2020 (Webinar)	TRIBOLOGY & SUSTAINABILITY (International Short Term Course)	Mechanical Engg Dept.
6	National Institute of Technology Silchar, Assam	07 th -11 th , Sep- 2020 (Webinar)	Innovation and Research in Welding, Joining and Cutting Technology	Mechanical Engg Dept.

7	<i>Veer Surendra Sai University of Technology, Burla, Odisha</i>	<i>12th –16th Sep- 2020 (Webinar)</i>	<i>Recent Advancement in Welding and Joining Technology (RAWJT-2020)</i>	<i>Mechanical Engg Dept.</i>
8	<i>Indian Institute of Technology, Indore</i>	<i>7th -12rd Dec-2020 (Webinar)</i>	<i>“Finite element analysis for Engineers”</i>	<i>Mechanical Engg Dept.</i>
9	<i>Indian Institute of Technology, Indore</i>	<i>21th -23rd Dec-2020 (Webinar)</i>	<i>Condition Monitoring of Rotating Machines using Advanced Signal Processing Techniques</i>	<i>Mechanical Engg Dept.</i>
10	<i>IIT(BHU), Varanasi, (UP)</i>	<i>01th -13th Feb -2021</i>	<i>Short term course on “ Method of Analysis of smart structure (MASSNM)</i>	<i>Mechanical Engg Dept.</i>
11	<i>Jamia Millia Islamia, Delhi</i>	<i>16th - 30th June-2021</i>	<i>Robotics & Automation</i>	<i>Mechanical Engg Dept.</i>
12	<i>Jamia Millia Islamia, Delhi</i>	<i>21th -25th Feb -2022</i>	<i>Issues and Challenges of Grid Connected Renewable Energy Sources (ICGCRE-22)</i>	<i>Electrical Engg Dept.</i>
13	<i>Amity University, Noida (UP)</i>	<i>20th -24th June-2022 (Webinar)</i>	<i>Recent developments in Renewable Energy</i>	<i>Mechanical Engg Dept.</i>

Membership in Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
<i>India Institute of Welding, Kolkatta</i>	<i>Lifetime Member (DEL/M/R-9883/L)</i>	<i>India</i>	<i>2007</i>
<i>Institution of Engineers(India), Kolkata</i>	<i>Member , A-1566878</i>	<i>India</i>	<i>2012</i>
<i>India Society for Technical Education (ISTE), New Deli</i>	<i>LM 94068</i>	<i>India</i>	<i>2013</i>

Industrial Experience:

Title of Position	Department	Date		Name of Organization
		From	To	
<i>Quality Control Engineer</i>	<i>Quality Control</i>	<i>17/07/1996</i>	<i>16/09/01</i>	<i>M/S Indotech Engineers (P) Ltd. Mohkampur, Meerut (UP), INDIA (Manufacturing of ISI and CCE Approved LPG Gas Cylinder Under IS:3196 (Part-1 & part-2)</i>

Responsibility:

- i) Dealing with the BIS (Bureau of Indian Standard) officers.*
- ii) To maintain the quality of products at various stages.*
- iii) Preparation of weekly and monthly quality plans.*
- iv) Dealing with the Chief controller of explosive authority.*
- v) Training of QC inspectors from time to time.*
- vi) Testing of LPG cylinder at UTM Machine.*

(Dr. Saadat Ali Rizvi)