Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	TAUSEEF UDDIN	Last Name	SIDDIQUI	Photograph

Designation		Assistant Professor	
Department		Mechanical Engineering	
Address	**Campus**	Department of Mechanical Engineering,	
	Residence	H No-350/A Faiq Enclave Colony Phase II Near New Masjid Pilibhit Road Bareilly-243006	
Mobile No.		8433408964	
Email ID	Personal	tauseefus@gmail.com	
	University Domain	tauseefmeiet@mjpru.ac.in	
Professional Networking ID, i.e. Linkedin, Twitter etc.		https://twitter.com/tauseef81	

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B.Tech	ZHCOET, AMU Aligarh	2002	Design and fabrication of heat exchanger
M.Tech	ZHCOET, AMU Aligarh	2005	Ergonomic studies pertaining to Internet sites on operators performing web based task
Ph.D	MNNIT Allahabad	2010	Abrasive Waterjet Cutting of Continuous Fiber-reinforced polymer composites: Experimental studies, Modeling and Multi-objective optimization.

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
SRMSCET Bareilly	Lecturer	15/7/2004-31/12/2006	Teaching and Research
MNNIT Allahabad	RA	04/01/07-28/08/2008	Teaching and Research
FET M.J.P. Rohilkhand University, Bareilly	Assistant Professor		Teaching and Research

Research Interests / Specialization

Manufacturing Science and Technology, Computed Aided Manufacturing, Modeling and Optimization of Manufacturing Processes, Design of Experiments Etc.

Research Experience in Years

No of Research Scholars Successfully Guided NIL

Name of Programme	Awarded	Under Supervision
Ph.D.	**----**	**---**
M.Tech	01	01
Dissertation (B.Tech)	50	

Researcher/ Expert ID	**Scopus**	**Orchid**	**Publons**	**Vidwan**	**Google Scholar**
	26023721600				Z0jytIQAAAAJ

Teaching Experience (Subjects/Courses Taught) 16 YEARS

Mechanical Engineering, Manufacturing Science and Technology, Computer Aided Manufacturing, Advanced Precision Machining Processes, Value Engineering, Production Planning and Control, Design of Experiments Etc.

Honours / Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/ Fellowship	**Awarded By**		
	Name of Governmental Agency	**Name of Government Supported Organization/ Department**	**Name of International Recognized Body**
Best Research Paper Award		INAE-DAE	INAE- DAE International Conference on Advances In Manufacturing Technology (ICAMT 2008) for Young Engineers, Feb. 6-8, 2008
Research Excellence Award		INSc Bangalore	2020

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)		Research Papers Published in International Journals	15	Papers Presented in Seminars/ Conferences	43	Seminars/ Conferences Organized		Research Projects (Completed)	01
Books (Co-authored)	01	Research Papers Published in Other Journals	01	Seminar/ Conferences Attended		Workshops/FDP Organized	04	Research Projects (Ongoing)	01
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	06	Membership of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	01
Chapters in Edited Books	03			Resource Lectures Delivered	13				

Details of Publications /Academic Activities (2010 Onwards)

(a) Authored Books/ Monographs

Name of Book	Year of Publication	Publisher	ISBN No
Abrasive Waterjet Machining of Continuous Fibre-Reinforced Polymer Composites: Experimental Studies, Modeling and Multi-Objective Optimization	2020	Mahi Publication Ahmadabad Gujarat	9789389339840

(b) Edited Books

Year of Publication	Title	Publisher	ISBN	DOI No.	Citations

(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2008	Optimization of Surface Finish in Abrasive Water Jet Cutting of Kevlar Composites Using Hybrid Taguchi and Response Surface Method	International Journal of Machining and Machinability of Materials	ISSN:174857 2X		2.130
2008	Robust Parameter Design for Multi-characteristic Optimization of Abrasive Waterjet Cutting of Aramid Composite	Journal of Modern Manufacturing Technology	ISSN: 0974-8415		0.175
	Modeling of Depth of Cut in Abrasive Waterjet Cutting of Thick Kevlar-Epoxy Composites	Key Engineering Materials	ISSN: 1013-9826		0.350
2010	Experimental Investigation and Optimization of Kerf Characteristics in Abrasive Waterjet Trepanning of Thick Kevlar-Epoxy Composites	Journal Proceedings in Manufacturing Systems	ISSN - 2067-9238		ICV-87.03

2011	Abrasive Waterjet Hole Trepanning of Thick Kevlar- Epoxy Composites for Ballistic Applications – Experimental Investigations and Analysis Using Design of Experiments Methodology	International Journal of Machining and Machinability of Materials	ISSN**:** 17485 72X		2.130
2011	Artificial neural network based modeling of abrasive waterjet cutting of Kevlar-epoxy composites used in aerospace applications	International Journal of Research and Development	ISSN:2279-0438		1.241
2013	Optimization of multiple performance characteristics using AWJ cutting process for aerospace grade fibrous kevlar composites	International Review of Applied Engineering & Research			0.51
2015	Mathematical Model And Optimized Parameters Design In AWJ Machining Of Aircraft Grade Kevlar-Epoxy Composites	International Journal of Advance Research In Science And Engineering			1.142
2015	Effect of Electrochemical Techniques of Hard Coatings on Friction and Wear Properties of Light Metal Alloys: A Review,	International Journal of Advance Research In Science And Engineering,			1.142
2016	Investigation and analysis for Mechanical Properties of Aluminium Silicon Carbide Composite	International Journal of Innovative Research in Science, Engineering and Technology	ISSN:2347-6710		1.672
2017	The role of vocational education in India to make skill development programme a success	Research Journal of Social and Life Sciences, Vol. XXIII			3.112

2017	Micro-wire electric discharge machining of Mg alloy used in biodegradable orthopaedic implants	Materials Today: Proceedings			0.97
2020	Design, Fabrication and Characterization of a Self-Lubricated Textured Tool in Dry Machining	Materials Today: Proceedings			0.97
2020	Experimental investigations on the performance of nanoboric acid suspensions in coconut oil during milling operation on Al 6061-T6 alloy	IOP publishing: Material science and engineering	Accepted for publication		0.53
	Robust Process Parameter Design in Abrasive Water Jet Cutting of Kevlar Composites	Journal Proceedings in Manufacturing Systems	ISSN -1842-3183		ICV-87.03

(d) Chapter/Paper Published in Edited Books								
Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of science
National	International							
NATIONAL		Advances in Manufacturing Technology	Optimisation of Process Parameters for Abrasive Water Jet Machining of Kevlar-Epoxy Composites Using Taguchi Method and Response Surface Methodology	Universities Press (India) Pvt. Ltd	2012	978-81-7371-755-0		
NATIONAL		Advancements and futuristic trends in material science	State-of-the art review of research and development in Abrasive water jet machining of Advanced fiber-reinforced composites	Allied Publications New Delhi	2011	978-81-8424-706-0,		
INTERNATIONAL		Computational Methods for Optimizing Manufacturing Technology - Models and Techniques	Modeling and Optimization of Abrasive Water Jet Cutting of Kevlar Fiber-Reinforce	IGI Global, USA	2012	978-1466601284		

			d Polymer Composites					

(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution
RESOURCE PERSON	AICTE (MHRD) sponsored Staff Development Program on CAD & FEM	Taguchi Robust Design: The new perspectives	July 21 - 02 August, 2008.	MNNIT Allahabad
RESOURCE PERSON	AICTE (MHRD) sponsored Staff Development Program on CAD & FEM	Modeling and Optimization: Demonstration & case study	July 21 - 02 August, 2008.	MNNIT Allahabad
RESOURCE PERSON	National conference on recent engineering trends in energy, environment & ecology (RETEEE 2014)	Modeling of depth of cut in AWJC of Kevlar-epoxy composites used in defense applications	Sep., 27-28, 2014	Rajshiri Group of Institutions, Bareilly
RESOURCE PERSON	Workshop on "Taguchi optimization" with live demonstration of MINITAB 17 software applications	Design of experiments and its scope in engineering applications	Mar 14, 2015	Rajshiri Group of Institutions, Bareilly
RESOURCE PERSON	Workshop on "Taguchi optimization" at GNIOT, Greater Noida on	Optimization techniques and their scope in engineering problems solving	Oct 01, 2015	GNIOT GREATER NOIDA
RESOURCE PERSON	One week short term course on "Advances in composite materials 2016"	Fabrication and mechanical characterization of Al based hybrid metal matrix composites	21-26 Oct., 2016	MNNIT ALLAHABD
RESOURCE PERSON	National conference on Recent innovations in	Process modeling and optimization using design of experiments	1st April, 2017	Shri siddhi vinayak institute of technology Bareilly

	mechanical engineering (RIME)			
RESOURCE PERSON	National conference on Technological innovations in mechanical engineering (TIME)	Fabrication and tribological characterization of Al based metal matrix composites	8st April, 2017	Shri Ram Murti college of engineering, Bareilly
RESOURCE PERSON	Faculty development program	Computational methods for process design and optimization	26st April, 2018	SRMSCET sponsored by AKTU Lucknow
RESOURCE PERSON	Faculty development program	Virtual design and manufacturing	26st April, 2018	SRMSCET sponsored by AKTU Lucknow
RESOURCE PERSON	Workshop on "Taguchi technique for quality engineering	Taguchi method based design of experiments	Sep. 19, 2018	GNIOT GREATER NOIDA
RESOURCE PERSON	National conference on "Mathematical modeling and optimization techniques	Abrasive water jet machining of fiber-reinforced polymer composites: modeling and optimization	15-16 Nov., 2019	SRMSCET, Bareilly
RESOURCE PERSON	AICTE sponsored Faculty development programme on "Emerging trends in Mechanical engineering science and green energy"	Experimental investigations on fiber-reinforced polymer composites	21 Nov., 2019	MIT Moradabad

(f) Seminars/Conferences/Workshops Organized

Organized one week faculty development programme on "Frontier Area of Research in Mechanical Engineering" from 25 to 29 March, 2014 at Mechanical Engineering Department, MJP Rohilkhand University, Bareilly

Organized two days workshop on "MATLAB: Theory and Practice" from 03 to 04 Dec., 2014 at Mechanical Engineering Department, MJP
Rohilkhand University, Bareilly.

Organized one week faculty development programme on "Innovations and Research Trends in Mechanical and Production Engineering" from 25 to 29 April, 2016 at Mechanical Engineering Department, MJP Rohilkhand University, Bareilly.

Organized an International workshop on "Youth Empowerment through skill development" on 09th April, 2018 in collaboration with Japan at Mechanical Engineering Department, MJP Rohilkhand University, Bareilly.
Organized Webinar cum Workshop on "Performing and Designing Experiments on Virtual Platform" in association with IIT Roorkee during 8th to 17th June 2020.

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2008	International travel grant	DST	To attend International conference at University of Nottingham, UK		
2010	International travel grant	DST	To attend International conference at University of New south wales, Sydney Australia		
2011	Comparative Investigations of Surface Integrity and Micro-Structural Details for Different Grades of Fiber-Reinforced Polymer Composites Used in Critical Aerospace Applications by Abrasive Water Jet Cutting	UGC	81,000/-	01.7.11-30.6.13	completed
2012	Application of artificial intelligence for generation of knowledge base for different grades of hybrid composites used in Indian Aerospace sector by Abrasive water jet machining	UGC	196,000/-	30.7.2012	withdrawal
2019	Design, Fabrication and Characterization of a Self-Lubricated Textured Tool in Dry Machining	TEQIPIII	2,00,000/-	15.6.2019	Ongoing

(h) Administrative Positions/Assignments Held

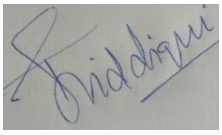
Post	Organization	Duration	
		From	To
Member BOS	Mechanical Engineering Department MJPRU	29.82008	TILL NOW
Time table Incharge	Mechanical Engineering Department MJPRU	29.8.2008	15.7.2018
Student advisor	Mechanical Engineering Department MJPRU	15.7.2013	TILL NOW

T&P coordinator	Mechanical Engineering Department MJPRU	29.8.2008	TILL NOW
Assistant Coordinator-Examination Centre	MJPRU Bareilly	2008, 2009, 2010, 2019	
Assistant Coordinator-Evaluation Centre	MJPRU Bareilly	2015, 2018	

(i) Seminar/Conference Presentations

"Development of a textured tool for process improvement in dry machining" at International conference on academic research in engineering, management and information technology (ICAREMIT 2020), 1-3 FEB., 2020 at MJPRU Bareilly, U.P.
"Comparative investigations on Depth of Cut in CO_2 Laser Beam Machining of MDF and Acrylic" at International conference on academic research in engineering, management and information technology (ICAREMIT 2020), 1-3 FEB., 2020 at MJPRU Bareilly, U.P.
"Optimization of Process Parameters for Abrasive Water Jet Machining Of Kevlar-Epoxy Composites Using Taguchi Method", INAE-DAE International Conference on Advances In Manufacturing Technology (ICAMT 2008) for Young Engineers, February 6-8, 2008, IIT Chennai. (Best Paper Award)
"Experimental study and Optimization of Multiple Performance Characteristics in Abrasive Water Jet Cutting of Glass Fiber Reinforced Polymer Composites",2nd International and 23rd AIMTDR Conference, IIT Madras, December 15-17, 2008.
Modeling of Depth of Cut in Abrasive Waterjet Cutting of Thick Kevlar-Epoxy Composites", International conference APCMP2010, University of New South Wales, Sydney, Australia, June 2010.
"Conceptual PDM Implementation Framework for Manufacturing of Polymer Composite Components in Aerospace Industry", International Conference on ENGINEERING DESIGN.IN, IISc Bangalore, 9-11 Aug, 2007.
OPTIMZATION OF MULTIPLE PERFORMANCE CHARACTERISTICS USING AWJ CUTTING PROCESS FOR AEROSPACE GRADE FIBROUS KEVLAR COMPOSITES, International Conference on Innovative trends in natural/Applied sciences and Energy technology for sustainable development, JNU, New Delhi, 27-28 July, 2013.
MATHEMATICAL MODEL AND OPTIMIZED PARAMETERS DESIGN IN AWJ MACHINING OF AIRCRAFT GRADE KEVLAR-EPOXY COMPOSITES, International conference on academic research in engineering, management and information technology, 21-23 Feb., 2015, pp. 10.
EFFECT OF ELECTROCHEMICAL TECHNIQUES OF HARD COATINGS ON FRICTION AND WEAR PROPERTIES OF LIGHT METAL ALLOYS: A REVIEW, International conference on academic research in engineering, management and information technology, 21-23 Feb., 2015, pp. 35.
Micro-wire electric discharge machining of Mg alloy used in biodegradable orthopedic implants, International conference on recent trends in engineering and material sciences (ICEMS-2016) at JNU Jaipur, 17-19 March, 2016 (2-IC-896)
Tribological Investigations on Aluminium Based Hybrid Metal Matrix Composites Fabricated By Stir Casting Technique, International conference on academic research on engineering, management and information technology (ICAREMIT-2016), 9-11 Dec., 2016 at MJP Rohilkhand university, Bareilly
International conference on Digital India on 27 Jan., 2018 at Bareilly college Bareilly.
International conference on academic research in engineering, management and information technology (ICAREMIT 2018), 17-19 Feb., 2018 at MJPRU Bareilly, U.P.
International conference on academic research in engineering, management and information technology (ICAREMIT 2019), 16-18 APR., 2019 at MJPRU Bareilly, U.P.

(j) Memberships of Academic/Professional Bodies			
International Association of Engineers (Member No: 113782) International Nano-science Community			
(k) <u>Participation in Community Service / Exchange Programme / Consulting Activity</u>			
Attended many literary and cultural events in the Bareilly district and others			
(l) International Academic Exposure			
Visited University Of New South Wales, Sydney Australia	June 2010		
(m) Any Other Details			



Signature of Faculty Member