



(Dr. K M MOEED)

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Hyperlinks of ([Google Scholar Citation](#), | [Orcid Id](#), | [Web Of Science](#), | [Research gate](#))

PROFILE

EXPERIENCE:

- Twenty two years of teaching experience at various positions (Department of Mechanical Engineering, Integral University erstwhile Institute of Integral Technology, Lucknow
- Four years experience in UPTU engineering college, Lucknow
- 1 Years Industrial Experience

ACADEMIC QUALIFICATIONS:

- Ph.D. Integral University, Lucknow, India
- M. Tech., Production & Industrial Engineering, Integral University, Lucknow, India
- B.Sc.Engg. (Mechanical) Aligarh Muslim University, Aligarh, India
- ICSE , St. Francis College, Lucknow, India
- ISC, St. Francis College, Lucknow, India

RESEARCH INTEREST:

- Production / Advance Welding
- Hybrid composites materials of reinforced aluminum alloy and its tribological analysis
- Optimization of weldability of AA2024 aluminum alloy in resistance spot welding

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- Citations : 274
- H index : 07
- I10 index : 06

COURSE TAUGHT:

- Production Engineering
- Manufacturing Science
- Friction & Wear
- Advance Welding Technology

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Worked as Principal, University Polytechnic (2015-2022)
- Worked as Proctor (2008-2010)
- Academic Council Member (2005-2022)
- Departmental Incharge Admission Committee
- Departmental Ph.D Coordinator
- DQAC Incharge Criteria 7
- Member of Board of studies

STUDENTS SUPERVISION

- PhD: 01 (Awarded)
05 (Currently enrolled)
- M.Tech: 12

PUBLISHED/GRANT PATENTS

- DESIGN OF ERGONOMIC VISUAL DISPLAY TERMINAL FOR PHYSICALLY CHALLENGED

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- Multi-objective optimization of input and output process parameters of dissimilar CMT welded joints of AA6082 and AA7075, Journal of Adhesion Science and Technology, DOI: 10.1080/01694243.2024.2381810
- A Review Of Plasma Chemical Surface Treatment On Parylene For Deposition On Ionic Polymers, Library Progress International Vol.44 No. 3, Jul-Dec 2024: P. 15183-15191
- “Multi Response Optimization of 304L Pulse GMA Weld Characteristics with Application of Desirability Function”, Advances in Intelligent Systems and Computing, (NOIEAS-2019), Numerical Optimization in Engineering and Sciences, Springer, 797, 457-468, 2020.
- “Influence of Pulse GMA Process Variables on Penetration Shape Factor of AISI 304L Welds, Advances in Intelligent Systems and Computing”, (NOIEAS-2019), Numerical Optimization in Engineering and Sciences, Springer, 797, 551-563, 2020.

- “Effects of Process Parameters and Alloying Elements on Micro-hardness Distribution in Pulse Arc 304L Austenitic stainless steel welded Plates”, *Journal of Engineering Science and Technology*, Taylors university, Malaysia, 14 (4), pp. 2271 – 2291, 2019.
- “Experimental investigation of solidification-mode and response surface modeling of ferrite-content in Grade 304L pulse GMA welded plates, *Materials Today proceedings*”, Elsevier, 18 (7), pp. 3876-3890, 2019.
- “Depiction of Detrimental Metallurgical Effects in Grade 304 Austenitic Stainless Steel Arc Welds”, *International Journal of Mechanical and Production Engineering Research and Development*, 8(6), pp. 207-218, 2018.
- “Eminence of Filler Materials on Metallurgical and Mechanical Properties of GMAW Single Pass SA 240 Grade 304L Weld Joints”, *International Journal of Advanced Production and Industrial Engineering*, 2(1), pp. 18-23, 182, 2017.
- “Assessment of Delta ferrite for SA 240 Type 304L Austenitic Weld Metal using Different Filler Materials”, *International Journal of Scientific & Engineering Research* ,7(2), pp. 493-498, 2016.
 - “Formation, Quantification and Significance of Delta Ferrite for 300 Series Stainless Steel Weldments”, *International Journal of Engineering Technology Management and Applied Sciences* ISSN-2349-4476 in collaboration with Tata MagraHill proceedings at JNU Delhi Conference, pp.493-498, 2015.
- “Metallurgical Behaviour of AISI 304 Steel Butt Welds Under Segregation”, *International Journal of Mechanical Engineering and Technology* , 5(2), pp. 36-43, 2014.
- “Emphasis of Embrittlement Characteristics in 304L and 316L Austenitic Stainless Steel”, *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, 11(6), pp. 04-10, 2014.
- “A Review of preheating and/or Post Weld Heat treatment (PHWT) on Hardened Steel”, *International Journal of Technical Research and Applications*, 1(2), pp.05-07, 2013.

- “Reclamation of Moisturized Flux in Submerged Arc Welding”, International Journal of Technical Research and Applications, 1(1), pp.26-28, 2013.
 - “Modeling and Parametric Optimization using Factorial Design Approach of Submerged Arc Bead Geometry for Butt Joint”, International Journal of Engineering Research and Applications, 2(3), pp. 505-508, 2012.
- “The Emphasis of Phase Transformations and Alloying Constituents on Hot Cracking Susceptibility of Type 304L and 316L Stainless Steel welds”, International Journal of Engineering Science and Technology, 4, 2012, pp. 2206-2216.
- “Modeling and Experimental Validation of 316L-PMTM Steel under Dry Environment using Self Adapting Response Surface Methodology”, International Journal of Emerging Trends in Engineering and Developments, 2(5), pp. 290-300, 2012.
- “Characterization of Indigenously Developed 22Cr-8Ni-0.022S-0.031P modified 304L Austenitic Stainless Steel”, International Journal of Advanced Scientific Research and Technology, 2(4), 2012.

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- Correlation between pulse 300 series SS wire parameters”, IOP Conf. Series: Materials Science and Engineering, ICCRME-2018, 8(6),pp. 207-218, 2018.

BOOKS AUTHORED

- Manufacturing Process (Umesh Publication, New Delhi)
- Manufacturing Science I (Umesh Publication, New Delhi)
- Manufacturing Science II (Umesh Publication, New Delhi)
- Automobile Engineering (S K Kataria & Sons Publication, New Delhi)
- Computer Aided Design (Umesh Publication, New Delhi)

BOOK CHAPTERS

- Synthesis of Ionic Polymer Metal Composites for Robotic Application, Sustainability of Green and

Eco-friendly Composites, 2024.
