Dr. MOHD JUNAID MIR

H: 917006426101 | C: +91-9419250828 | **E:** junaidmir109@gmail.com
New Colony Ashajipora,, Anantnag, JK 192101

PROFESSIONAL SUMMARY

A seasoned person who believe in students' abilities to learn and inherent thirst for knowledge with the right environment. Actively work to connect students to their materials to transform lives.

SKILLS

- Academic research
- Student counseling
- Student research guidance
- Classroom presentations

WORK HISTORY

ASSISTANT PROFESSOR

03/2012 to 12/2012

Islamic University Of Science And Technology | Awantipora, J & K

- Teach courses in manufacturing technology to both undergraduate and graduate students.
- Prepare curricula, reading materials and tests.
- Create curricula in accordance with departmental standards.
- Regularly meet with students during office hours to address concerns and offer feedback.
- Participate in campus events, including National level industry-academia meet.
- Keep thorough records of student scores and attendance.

INSTALLING AND MONITORING ENGINEER

06/2011 to 01/2012

Encardio-Rite Electronics Private Limited | Lucknow, UP

- Install, operate, and maintain mechanical products, equipment, systems and processes to meet requirements of the project
- Investigate equipment failures and difficulties to diagnose faulty operation, and to make recommendations to maintenance crew.
- Devoted special emphasis to punctuality and worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.

EDUCATION

Doctorate of Philosohphy | Mechanical Engineering *2019*

National Institute of Technology Srinagar, Srinagar

- Thesis: Feasibility Study of Dry, Wet And MQL Systems for Hard Turning of AISI D2 Steel Using CBN, Carbide And Ceramic Inserts
- Majored in Tribology in machining
- Coursework in wear analysis and control, Friction, wear and lubrication and Design of Tribo systems

M.Tech | Manufacturing And Automation *2011*

Shri Mata Vaishno Devi University:, Katra, J & K

- Graduated with 9.38 GPA

- Majored in Welding techniques, Industrial automation,Quality control and Meterology
- Thesis: Experimental investigation of powder mixed electric discharge machining of AISI H11
- Awarded **CERTIFICATE OF APPRECIATION** for standing topper in **M.TECH. (M&A)**
- Awarded **INFOSYS FOUNDATION AWARD** for standing topper in **M.TECH** courses

Bachelor of Engineering (B.E) | Mechanical *2008*
MBSCET, University of Jammu, Jammu And Kashmir
Final project on:-Automatic wheel chair

ACCOMPLISHMENTS

- Computer diploma from DOEACC in AUTO CAD.
- Sound knowledge of software like Design expert
- Received CERTIFICATE OF APPRECIATION for standing topper in M.TECH.
- Received INFOSYS FOUNDATION AWARD for standing topper in M.TECH course.
- Represented as Secretary Mess Committee SMVDU.
- Voluntered National conference in SMVDU and NIT srinagar.
- Volunteered as faculty member representative for student-led sports club.

ADDITIONAL INFORMATION

- Date of Birth 25-08-1986
- Religion Muslim
- Region Kashmir
- Gender Male
- Nationality Indian
- Languages Known English, Hindi, Urdu, Kashmiri

TRAINING AND WORK-SHOPS

- Successfully completed the Sandvik Coromant Academy program on Metal cutting Technology at Ludhiana
- Participated in AICTE recognized short term course on OPEN source technology through ICT conducted by National Institute of Technical teachers training and research chandigarh at NIT, Srinagar

RESEARCH PUBLICATIONS

International Journal Papers

1. **Mir, M. J.,** Wani, M. F., Banday, S., Mushtaq, S., Khan, J., Singh, J., & Saleem, S. S. (2018). Comparative assessment of coated CBN and multilayer coated carbide tools on tool wear in hard turning AISID2 steel. *Available at SSRN 3323677*.

2. **Mir, M. J.,** & Wani, M. F. (2018). Hard turning of high-carbon high chromium tool steel using CBN tools under different lubricating/cooling conditions. *Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi-B Teorik Bilimler*, 108-123.

3. Banday, Summera and Wani, M.F. and **Mir, M. Junaid** and Singh, Jagtar and Mushtaq, Shuhaib and Khan, Jebran Nanoscratch Property of Self-lubricating Ti/MoS2 Nanocoating at Nano-scale Level. dx.doi.org/10.2139/ssrn.3321096

4. **Mir, M. J.,** & Wani, M. F. (2018). The influence of cutting fluid conditions and machining parameters on cutting performance and wear mechanism of coated carbide tools. *Jurnal Tribologi*, *18*, 58-80.

5. Singh, Jagtar and Wani, M.F. and Banday, Summera and **Mir, M.Junaid** and Khan, Jebran and Mushtaq, Shuhaib and Saleem, S.S. and Singh, Gurtej, Nanomechanical Property of Max Phase Material Ti2AlC (December 13, 2018). http://dx.doi.org/10.2139/ssrn.3321143

6. Khan, Jebran and Wani, M.F. and Gupta, Rajat and Saleem, S.S. and Mushtaq, Shuhaib and **Mir, M.Junaid** and Singh, Jagtar and Banday, Summera, Tribological performance of polytetrafluoroethylene (PTFE) in aqueous environments and dry sliding (December 13, 2018). Available at SSRN: https://ssrn.com/abstract=3321151

7. Mushtaq, S., Wani, M. F., Saleem, S. S., Banday, S., **Mir, M. J.,** Khan, J., & Singh, J. (2018). Tribological Characteristics of Fe-Cu-Sn Alloy with Molybdenum Disulfide as a Solid Lubricant under Dry Conditions. *Available at SSRN 3321083*.

8. Sheikh Shahid Saleem, **Mohammad Junaid Mir**, Wani MF, Shuhaib Mushtaq. Experimental investigation and modelling of PMEDM process with aluminium powder suspended dielectric on AISI-H11. Discovery Engineering, 2018, 6, 1-8.

9. Mushtaq, S., Wani, M. F., Saleem, S. S., & **Mir, M. J.** (2018). Tribological and mechanical properties of PM Fe-Cu-Sn alloy containing graphite as a solid lubricant. *World Review of Science, Technology and Sustainable Development*, *14*(2-3), 119-134.

10. **Mir, M.J,** & Wani, M. Modelling and analysis of tool wear and surface roughness in hard turning of AISI D2 steel using response surface methodology. International Journal of Industrial Engineering Computations 2017; 9(1), 63-74.

11. **Mir, M. J.,** & Wani, M. F. (2017). Performance evaluation of PCBN, coated carbide and mixed ceramic inserts in finish-turning of AISI D2 steel. *Jurnal Tribologi*, *14*, 10-31.

12. **Mir, M. Junaid,** et al. "Modeling and analysis of machining parameters for surface roughness in powder mixed EDM using RSM approach." *International Journal of Engineering, Science and Technology* 4.3 (2012): 45-52

13. Summera Banday, MF Wani, **M Junaid Mir**, Bisma Paveez. Adhesion property of self-lubricating Si/MoS2 nano-coating at nano scale level. Material Science and Engineering,

14. Iram Malik, Rohini Sharma, and **Mohd. Junaid Mir**. Finger-vein Pattern Matching for Human Identification.International Journal of Engineering Research & Technology, 03 (2), 1966-1972,2014

International conferences.

1. **M Junaid Mir**, MF Wani, Summera Banday, Bisma Parveez. Influence of cutting conditions on tool wear and surface roughness in hard turning AISID2 steel using mixed ceramic tools. NFEST 2019, NIT, Kurkshetra

2. M.F. Ali, Mf Wani, Summera Banday, Bisma Parveez, **M Junaid mir.** Triobological characterization of Cu-Ni Metal Matrix composites using MoS2 Nano lubricants. NFEST 2019, NIT, Kurkshetra

3. Sheikh Shahid Saleem, **Mohammad Junaid Mir**, Wani MF, Shuhaib Mushtaq. Experimental investigation and modelling of PMEDM process with aluminium powder suspended dielectric on AISI-H11.ICE-SEAM 2018, Melakha ,Malaysia.

4. **Mir, M. J.,** Wani, M. F., Banday, S., Mushtaq, S., Khan, J., Singh, J., & Saleem, S. S. (2018). Comparative assessment of coated CBN and multilayer coated carbide tools on tool wear in hard turning AISID2 steel. Tribo-india. VJIT-Mumbai-2018.

5. **Mohd Junaid**, Mir Khalid Sheikh, Vishal S. Chaudhary. A review on micro electric discharge machining. ICOEGC-2011 at R.V College of engineering Banglore.

Book chapters/proceedings

1. Khalid Sheikh, Vishal S. Chaudhary, Mohd Junaid Mir. Advances in Mechanical Engineering. Aligarh, 978-93-80697-33-8 (ISBN), vol. 01, Pp, 71-76, 2010

DECLARATION I hereby declare that all the information provided above are true and valid.

---Mohd Junaid Mir----