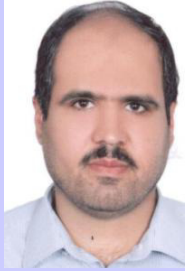


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**Educations**

- B.S. Comprehensive Scientific-Applied University and Tabriz Institute of technology, Tabriz, Iran, 2005
- M.S. University of Birjand, Birjand, Iran., Birjand, Iran, 2008
- Ph.D. University of Birjand, Birjand, Iran, 2014

**Research Interests**

- Cold rolling
- Hot deformation
- Metal Forming
- Artificial Intelligence
- Manufacturing processes
- Welding; Materials science
- FEM
- CAD/CAM.

**Recent Publications**

[1]M. Rakhshkhorshid, S.H. Hashemi, Experimental study of hot deformation behavior in API X65 steel, *Materials Science & Engineering A*, 573(2013)37–44.

[2]M. Rakhshkhorshid, S.H. Hashemi , Firefly algorithm assisted

optimized NN to predict the elongation of API X65 pipeline steel, International Journal of Mathematical Modelling and Numerical Optimisation, 4(3) (2013) 238 – 251.

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- [5] M. Rakhshkhorshid, Modeling the hot deformation flow curves of API X65 pipeline steel, Int. J. Adv. Manuf. Tech. 77 (2015) 203-210.
- [6] M. Rakhshkhorshid, H. Monajati Zadeh, S. H. Hashemi, Thermomechanical processing of a Nb–Ti–V pipeline steel, Int J Adv Manuf Technol, August 2015, Volume 79, Issue 9, pp 1623-1631.
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- [14] Rakhshkhorshid, M., Emam, S., Lakhi, M., Ghahremani, S. (2019). 'Evaluating the delamination in the drilling process of a melamine coated medium density fiberboard (MDF)', *Journal of Applied and Computational Mechanics*, (), pp. -. doi: 10.22055/jacm.2019.30954.1800
- [15] Rakhshkhorshid M. Genetic Algorithm-based Optimization Procedures to Find the Constants of Johnson-Cook Constitutive Equation. *Iranian Journal of Materials Forming*. 2020 Apr 1;7(1):2-13.
- [16] Emamikhah, A., Kazerooni, A. and Rakhshkhorshid, M., 2022. A Mechanical and Microstructural Study on Friction Stir Welding of 5083 Aluminum Alloy Based on Optimal Values of the Response Surface Method. *Journal of Materials Engineering and Performance*, pp.1-14.
- [17] .

## Teaching Experience

- Materials Thermodynamic
- Vector mechanic
- strength of materials
- Design of Machine Components
- Engineering mathematics
- Probability & Statistics for Engineering
- Plastic Mould design

- CAD/CAM
- Welding technology
- Drawing
- Materials science
- Manufacturing Processes