

Seyed Sajad Jafari

Mechanical Engineering Department, Hamedan University of Technology

Hamedan, Iran

s.jafari@hut.ac.ir

- **PhD in Mechanical Engineering - Bu-Ali Sina University**

RESEARCH INTERESTS

Powder Metallurgy, Analytical Models, high strain rate deformation, high and low velocity impact, Damage mechanic, Metal forming.

PUBLICATIONS

- [1] G. H. Majzoobi, S. S. Jafari, and K. Rahmani, "A study on damage evolution in Cu–TiO₂ composite fabricated using powder metallurgy followed by hot extrusion," *Materials Chemistry and Physics*, vol. 290, p. 126140, 2022/10/15/ 2022, doi: <https://doi.org/10.1016/j.matchemphys.2022.126140>.
- [2] S. S. Jafari, G. H. Majzoobi, "Development of a new technique for measuring damage accumulation at high strain rates," *Engineering Fracture Mechanics*, vol. 209, pp. 162-172, 2019/03/15/ 2019, doi: <https://doi.org/10.1016/j.engfracmech.2019.01.020>.
- [3] G. H. Majzoobi and S. S. Jafari, "An Investigation into the Effect of Strain Rate on Damage Evolution in Pure Copper Using a Modified Bonora Model," *Journal of Stress Analysis*, vol. 6, no. 1, pp. 127-138, 2021, doi: 10.22084/jrstan.2021.24907.1193.
- [4] S. Jafari and G. Majzoobi, "A study on damage evolution in Cu-TiO₂ composite fabricated at different temperatures and strain rates," *Materials Research Express*, vol. 8, no. 9, p. 95-103, 2021.
- [5] S. Feli and S. S. Jafari, "Analytical modeling for perforation of foam-composite sandwich panels under high-velocity impact," *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, vol. 39, no. 2, pp. 401-412, 2017, doi: 10.1007/s40430-016-0489-7.
- [6] S. Feli, L. Karami, and S. S. Jafari, "Analytical modeling of low velocity impact on carbon nanotube-reinforced composite (CNTRC) plates," *Mechanics of Advanced Materials and Structures*, vol. 26, no. 5, pp. 394-406, 2019/03/04 2019, doi: 10.1080/15376494.2017.1400613.

- [7] *M. Nejati, S. S. Jafari, R. Dimitri, and F. Tornabene, "Thermal Buckling and Vibration Analysis of SMA Hybrid Composite Sandwich Beams," Applied Sciences, vol. 12, no. 18, p. 9323, 2022. [Online]. Available: <https://www.mdpi.com/2076-3417/12/18/9323>.*