**Publications**

**Journal Publications and Dissertation:**

1. Alazzawi, S., Filip, P., “ Design exploration study of passive window based on bent NiTi actuator”

,the second international scientific conference of engineering sciences ISCES, Material science and Engineering IOP publishing, Vol 1076, Feb,2021

2. Alazzawi, S., Filip, P., “Modeling the Transient Behavior of NiTi SMA Actuator Using Finite Element Analysis: Parametric Study of Rate Effects”. Results in Materials Journal, Aug 2019

3. Alazzawi, S., Filip, P., “Designing a Greenhouse Ventilation Window Based on NiTi SMA Actuator”. PhD Dissertation, Mechanical Engineering and Energy Processes Department - SIUC,2019

4. Alazzawi, S., Saleh, M., “ Heat and Mass Transfer Analyses During Food Drying”. Journal of Engineering,2005, Vol45, No.1, PP 123-134.

5. Numerical study of a cantilever beam carrying a crack by response surface methodology, Materials today, 2022

6. Parametric studies of friction stir welding with tool using a vibrating shoulder, Materials today, 2022.

7. Effect of Glycolic Acid Ethoxylate Lauryl Ether (GAL) Surfactant Solutions among Low and High Concentrations on Drag Reduction to Progress Flow in the Pipeline Networks Using RDA, Materials science and engineering,2022.