

## List of publications for Belal Gharaibeh

1. Wafa' AlAlaween, Omar Abueed, Belal Gharaibeh, Abdallah Alalawin, Mahdi Mahfouf, Ahmad Alsouss, Nibal Albashabsheh, "The development of a radial based integrated network for the modelling of 3D fused deposition". *Radial based integrated network*, 2022, accepted.
2. Wafa' H. AlAlaween, Abdallah H. AlAlawin, Belal M.Y. Gharaibeh, Mahdi Mahfouf, Ahmad Alsoussi, "An Interval Type-2 Fuzzy Logic System for the Simulation of Fused Deposition". ICECCME2022, Maldives, November 16-18, 2022
3. Wafa' H. AlAlaween, Abdallah H. AlAlawin, Belal M.Y. Gharaibeh, Mahdi Mahfouf, Ahmad Alsoussi, "A Type-1 Fuzzy Logic System for the Modelling of Fused Deposition", International Conference on Research in Science, Engineering and Technology(ICRSET), Barcelona, Spain, June, 23, 2022 .
4. Belal M.Y. Gharaibeh, Sa'ed Awani Musmar, Ehab Al-Zamer, Samer Al-Zamer, ANALYTICAL HIERARCHY PROCESS-BASED DECISION MAKING FOR EVALUATING THE USE OF PYROLYTIC CARBON BLACK AS AN ALTERNATIVE SOURCE OF HEATING IN REFUGEE CAMPS IN JORDAN, *IREC2021 conference*. April 14-15, 2021.
5. Belal Gharaibeh, Abbas Al-Refaie, Jawadat Goussous and Mohammed Shurrah. Effect of CCMS on Customer Satisfaction and Loyalty in Jordanian Banks, *INFORMATION: An International Interdisciplinary Journal*, 12) 15 ,2012C), 6238-6227.
6. Mohammad A. Gharaibeh, Hitham Tlilan & Belal M. Y. Gharaibeh, (2019). Stress concentration factor analysis of countersunk holes using finite element analysis and response surface methodology, *Australian Journal of Mechanical Engineering*, 13(2), 2253-2204.
7. Ahmad A. Salaimeh, Jeffery J. Campion, Belal Y. Gharaibeh, Martin E. Evans, Kozo Saito, (2012). Real-time quantification of Staphylococcus aureus in liquid medium using infrared thermography, *Infrared Physics and & Technology*, 55,172-170.
8. Nitin Satarkar, Don Johnson, Brock Marrs, Rodney Andrews, Belal Gharaibeh, Churn Poh, Kozo Saito, J. Zach Hilt, (2010). Hydrogel-MWCNT Nanocomposites: Synthesis, Characterization, and Heating with Radiofrequency Fields, *Journal of Applied Polymer Science*, 117(3), 1813-1819.
9. Belal Gharaibeh, Mohamed Kenawey, Ahmad Salaimeh, Kozo Saito. Finite Element Analysis to Improve IR Thermography Inspection for a Stay Cable Bridge. *NDE/NDT for Highways and Bridges: Structural Materials Technology (SMT) 2010*, New York, NY.
10. Non-contact method for quantifying changes in the dynamics of microbial populations, US patent # 0311109, 2010.
11. Method for detection defect in material and system for the method. International patent WO/2010/033113. 2010.
12. Infrared Seed Inspection System for automotive coated surfaces, Toyota Motor Manufacturing, US patent # 0123093, 2011
13. Method for reducing the curing time on of a painting composition. US patent, 0034980, 2010.

14. Gharaibeh B, N. Akafuah, K. Saito. Paint Color effect on the Performance of Infrared Seed Inspection System for Automotive Applications. Automotive industry advancements with NDT, An ASNT Topical Conference. Greenville, SC, May 2009 13-11.
15. Gharaibeh B, Omar M, Salazar, and Saito K. Fluorescence emission sensing in coatings: Method for defects detection in coated surfaces of structural elements. Progress in Organic Coatings. 289-58:282 ;2007.
16. Omar M, Gharaibeh B, Salazar A, and Saito K. Infrared thermography (IRT) and ultraviolet fluorescence (UVF) for the nondestructive evaluation of ballast tanks' coated surfaces. NDT&E International. 70-62 :(1)40 ;2007.