

List of all publications for Belal Gharaibeh

## 2. **Publications**

### a) Refereed Journals.

- Wafa' H. AlAlaween, Abdallah H. AlAlawin, Saif O. AbuHamour, **Belal M.Y. Gharaibeh**, Mahdi Mahfouf, Ahmad Alsoussif and Ashraf E. AbuKarak, Fuzzy particle swarm for the right-first-time of fused deposition, Journal of Intelligent & Fuzzy Systems, 2023, 45, 11977–11991, DOI:10.3233/JIFS-232135.
- W AlAlaween, O Abueed, **Belal M.Y. Gharaibeh**, A Alalawin, M Mahfouf, A Alsousi, The development of a radial based integrated network for the modelling of 3D fused deposition, Rapid Prototyping Journal, 2022, 29 (2), 408-421.
- Mohammad A. Gharaibeh, Hitham Tlilan & **Belal M. Y. Gharaibeh**. Stress concentration factor analysis of countersunk holes using finite element analysis and response surface methodology. Australian Journal of Mechanical Engineering, 2019 ,(2) 13 2253-2204.

### b) Conferences

- **Gharaibeh, Belal MY**; Salaimeh, Ahamad A; Jararweh, Mohammed Wasel; Al-Omari, Ali; Wafa'H, AlAlaween; Mahfouf, Mahdi, Correlation of Optical Properties to Mechanical Degradation of 3D Printed Thermoplastic Polyurethane Polymers Subjected to Gamma Irradiation, International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), Nov. 16-18, 2022.
- Wafa'H, AlAlaween; Alalawin, Abdallah; **Gharaibeh, Belal MY**; Mahfouf, Mahdi; Alsoussi, Ahmad, An Interval Type-2 Fuzzy Logic System for the Simulation of Fused Deposition, International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), Nov. 16-18, 2022.
- Wafa' H. AlAlaweena, Abdallah H. AlAlawin, **Belal M.Y. Gharaibeh**, Mahdi Mahfouf and Ahmad Alsoussi, A Type-1 Fuzzy Logic System for the Modelling of Fused Deposition, WRFER International Conference, Barcelona, Spain, 23rd June 2022.
- Belal M.Y. Gharaibeh, Sa'ed Awni 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

- • Belal Gharaibeh, Mohamed Kenaway, Ahmad Salaimah, 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. August 16-20, 2010
- • Ahmed A. Salaimah, Belal Gharaibeh, Kozo Saito, Martin Evans, Jeffery Champion. Real Time Quantification of Antibacterial Activity Using Novel Calorimetric Infrared Thermography (CIRT) approach. 49th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Poster presentation D737. September 12-15, 2009.
- • Ahmed A. Salaimah, Belal Gharaibeh, Marc Harik, Kozo Saito, Parametric study and scaling laws for defect characterization using reflection mode infrared thermography, Sixth International Symposium on Scale Modeling (ISSM-6), Kauai, Hawaii, September 13-16, 2009.
- • Nitin Satarkar, Don Johnson, Brock Marrs, Rodney Andrews, Belal Gharaibeh, Churn Poh, Kozo Saito, J. Zach Hilt. Hydrogel-MWCNT Nanocomposites: Synthesis, Characterization, and Heating with Radiofrequency Fields, Journal of Applied Polymer Science, 2010, 177 (3): 1813-1819
- • Gharaibeh B, N. Akafuah, K. Saito. Paint Color effect on the Performance of Infrared Seed Inspection System for