

Dina Karasneh joined the Mechatronics Engineering Department at the German Jordanian University as a full-time lecturer. She received the M.Sc. and the B.Sc. degrees from the Jordan University of Science and Technology.

## **EXPERIENCE**

Instructor, German Jordanian University

**2020- present**

## **EDUCATION**

**M.Sc. in Mechanical Engineering (Mechatronics)**, Jordan University of Science and Technology

**B.Sc. in Biomedical Engineering**, Jordan University of Science and Technology

## **PUBLICATIONS**

### **Journal Publications**

- Khnouf, R., Jaradat, M. A. K., **Karasneh, D.**, Al-Shami, F., Sawaqed, L., & Albiss, B. A. (2020). Simulation and Optimization of a Single Heater Convective PCR Chip and Its Controller for Fast Salmonella Enteritidis Detection. *IEEE Sensors Journal*, 20(22), 13186-13195.
- Khnouf, R., **Karasneh, D.**, Abdulhay, E., Abdelhay, A., Sheng, W., & Fan, Z. H. (2019). Microfluidics-based device for the measurement of blood viscosity and its modeling based on shear rate, temperature, and heparin concentration. *Biomedical microdevices*, 21(4), 80.
- Khnouf, R., **Karasneh, D.**, & Albiss, B. A. (2016). Protein immobilization on the surface of polydimethylsiloxane and polymethyl methacrylate microfluidic devices. *Electrophoresis*, 37(3), 529-535

### **Conference Publications**

- Khnouf R, **Karasneh D.** Polydimethyl siloxane microfluidic channel protein functionalization techniques. 2016 IEEE 11th Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS). 2016.