

Issra' Hammoudeh  
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## **Education**

- 09/2017 – 01/2020      Master of physics  
School of sciences  
The University of Jordan, Amman Jordan  
Master Thesis: “Influence of potassium chloride on the performance of poly N-(Hydroxymethyl) Acrylamide gel dosimeter for low dose applications”
- 09/2005-02/2009      Bachelor of physics  
School of sciences  
The University of Jordan, Amman Jordan

## **Work Experience**

### **Administrative – Supply and Inventory Management Department**

**November 2022 – Present**

#### **Duties:**

- Prepared and followed up on the university-wide purchasing plan in coordination with all departments and schools.
- Oversaw and executed the complete purchasing cycle, including offer distribution, vendor selection, issuing purchase orders, and confirming delivery.
- Coordinated procurement procedures for authorized entities within the university.
- Created and maintained a centralized database of all procurement transactions and supplier records.
- Served as Secretary of a Sub-Purchasing Committee, handling documentation, meetings, and approvals.
- Promoted to Secretary of the Main Purchasing Committee, managing more complex purchases and strategic procurement.
- Gained deep familiarity with the university procurement system, regulations, and procedures.

**Teaching and research assistant at German Jordanian University from September 2012 -November 2022.**

#### **Duties:**

- To provide high quality laboratory instruction to undergraduate science and engineering students, and to contribute to the assessment and continuous improvement of lab course material.
- To work closely with department faculty to provide high quality instructional support in labs.
- proctoring exams and grading home works and quizzes.
- these labs are in general about mechanical and electromagnetic physics.

**Teacher at Sokayna bent el-hoseen secondary school, teaching physics for firstsecondary grade.**

## Lab technician at the University of Jordan.

### Workshop and training

- PMP training course.
- Time management
- Soft Skills for Success and Emotional Intelligence and Communication.
- Innovation Training Workshop.
- Middle Management Training Program.

### Publications

- 1- Khalid A. Rabaeh, Ahmed A. Basfar, Issra' M.E. Hammoudeh (submitted feb. 2024). Low relative humidity-dependent polyvinyl butyral film dosimeter containing 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide dye for radiation processing. *Materials Chemistry and Physics*.
- 2- Khalid A. Rabaeh, Ahmed A. Basfar, Issra' M.E. Hammoudeh (2023). Novel polyvinyl alcohol film dosimeter containing 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide dye for high dose application. *Nuclear Engineering and Technology*, Volume 55, Issue 9.
- 3- Rabaeh, K. A., Hammoudeh, I. M., & Eyadeh, M. M. (2022). Novel polymer gel dosimeters based on N-Vinylcaprolactam for medical dosimetry. *Journal of Radioanalytical and Nuclear Chemistry*, 1-7.
- 4- Khalid A. Rabaeh \*, Rawan E. Al-Tarawnehb, Molham M. Eyadeh, Issra' M. E. Hammoudehd, Moneeb T. M. Shatnawi. Improved Dose Response of N-(Hydroxymethyl)acrylamide Gel Dosimeter with Calcium Chloride for Radiotherapy. Accepted, Manuscript ID: *gels-1527996*.
- 5- Rabaeh, K. A., Hammoudeh, I. M., Moftah, B., Oglat, A. A., Eyadeh, M. M., Aldweri, F. M. & Devic, S. (2022). A normoxic acrylic acid polymer gel for dosimetry in radiation therapy. *Journal of Radioanalytical and Nuclear Chemistry*, 1-8.
- 6- Rabaeh, K. A., Issra' ME, H., Oglat, A. A., Eyadeh, M. M., Ala'J, A. Q., Aldweri, F. M., & Awad, S. I. (2021). Polymer gel containing N, N'-methylene-bis-acrylamide (BIS) as a single monomer for radiotherapy dosimetry. *Radiation Physics and Chemistry*, 187, 109522.
- 7- Rabaeh, K. A., Issra' ME, H., Eyadeh, M. M., Aldweri, F. M., Awad, S. I., Oglat, A. A., & Shatnawi, M. T. (2021). Improved performance of N-(Hydroxymethyl) acrylamide gel dosimeter using potassium chloride for radiotherapy. *Radiation Measurements*, 142, 106542.
- 8- Abu-Safe, H. H., Hammoudeh, I., Al-Nasser, H., Morgan, T. A., Ware, M. E., Al Faouri, R. A., & Naseem, H. (2018, September). Ellipsometric study of aluminum-nickel nano-films for plasmonic application. In *Nanostructured Thin Films XI* (Vol. 10731, p. 107310J). International Society for Optics and Photonics.

## **Research Experience**

- Worked with dr. Khalid Rabaeh and dr. Moneeb Shatnawi on fabricating the geldosimeter, also irradiate it, and finally use NMR and UV-Vis techniques in analysis. (master thesis project)
- Worked with dr.Husam Abu safe on “Investigating third order nonlinearities in nonorganic nanomaterials “research project.
- Worked with Dr.Inshad Juma’a on “ polymeric nanocomposites doped with magnetically aligned nanoparticles for monovalent and multivalent ion rejectionand electromagnetic wave polarizer” research project.