**Rania Saber Alzubaidi**

**Assistan Professor, SE Department**

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Email: r.alzubaidi@psut.edu.jo

**Personal Particulars:**

Date of Birth: 24 July, 1982

Nationality: Jordanian

Gender: Female

Marital Status : Single

The Address: Huwwarah, Irbid

**Education and Qualification:**

Oct 2013 – Feb 2018 PhD Computer Science – Faculty of Engineering and Informatics,

University of Bradford, UK.

Thesis title: "Fully Automated Computer System for Diagnosis of

Corneal Diseases".

Thesis subtitle: "Development of Image Processing Technologies for the

Diagnosis of Acanthamoeba and Fusarium Diseases in Confocal

Microscopy Images".

Oct 2014 – Mar 2015 Associate Student Graduate Teaching Assistant HIEPR Course,

LEDT412L Learning and Teaching in Higher Education (GTAs & P/T

Tutors) module, Faculty of Health Studies, University of Bradford, UK.

Sep 2004 – Jun 2007 M Sc. Computer Science – Jordan University of Science and

Technology, Jordan. GPA 82.6 (very good).

Thesis title: "Hierarchical Text Classification Using a New Similarity

Technique Based on One Category Representative".

Sep 2000 – Jun 2004 B Sc. Computer Science and Information System – Jordan University of

Science and Technology, Jordan . GPA 86.7 (Excellent, rank is 5).

Aug 1999 – Jul 2000 The General Secondary Education (Scientific stream) –Jordan Ministry of

Education, Jordan. GPA 90.2.

**Work Experience:**

Sep 2022 – until now Assistant Professor, Software Engineering Department, King Hussein

School Of Computing Sciences, Princess Sumaya University for

Technology, Jordan.

Sep 2018 – June 2022 Part-time Lecturer (PhD), CIT Faculty, Jordan University of Science and

Technology, Jordan.

Sep 2014 – May 2015 Teaching Assistant (E-business module), Faculty of Engineering and

Informatics, University of Bradford, UK.

Sep 2009 – Aug 2013 Full-time Lecturer , IT Faculty , Philadelphia University,

Jordan.

Jun 2011– Aug 2011 Technical Assistant and Arabic Teacher for f non-native speakers (level

1.5), Middlebury college, USA.

Aug 2006 – Jun 2009 Computer Teacher for 8th, 9th, 10th, 11th, and 12th grade ,

Zahar High School for girls, Jordan.

Jun 2008 – Aug 2008 Technical Assistant and Arabic Teacher for non-native speakers (level

1), Middlebury college, USA.

Jun 2007 – Aug 2007 Technical Assistant and Arabic Teacher for non-native speakers (level

2.5), Middlebury college, USA.

Jun 2006 – Aug 2006 Technical Assistant , Middlebury college, USA.

**Publications:**

* Bani-Hamad, A.M.H. and R.S.M. Alzubaidi. "**The Effectiveness of Fermi Problem solving with Flipped Learning Techniques in Teaching physics on Improving Critical Thinking Skills among Emirati Secondary Students**". Review of International Geographical Education Online, 2021. **11**(8): p. 2730-2743.
* Alzubaidi R, Sharif MS, Qahwaji R, Ipson S, Brahma A. "**In vivo confocal microscopic corneal images in health and disease with an emphasis on extracting features and visual signatures for corneal diseases: a review study**". British Journal of Ophthalmology 2015.
* Sharif MS, Qahwaji R, Shahamatnia E, Alzubaidi R, Ipson S, Brahma A. "**An efficient intelligent analysis system for confocal corneal endothelium images**". Computer methods and programs in biomedicine 2015, 122(3):421-436.
* M. S. Sharif, R. Qahwaji, S. Hayajneh, S. Ipson, R. Alzubaidi, and A. Brahma. "**An efficient system for preprocessing confocal corneal images for subsequent analysis**," in Computational Intelligence (UKCI), 2014 14th UK Workshop on, 8-10 Sept. 2014, pp. 1-8, doi: 10.1109/UKCI.2014.6930188.
* Rehab Duwairi, Rania Al-Zubaidi, "**A Hierarchical K-NN Classifier for Textual Data**". *International Arab Journal for Information Technology (IAJIT)*, July, 2011.

**Seminars and Workshops:**

* HTU conference 2019, **going stem industry 4.0**. HTU university, Amman, Jordan.
* Alzubaidi R, Qahwaji R, Ipson S, Brahma A. “**Medical Imaging: Development of automated diagnostic system for corneal abnormalities of Acanthamoeba keratitis**”. Poster session presented at the AIERC conference 2017, Bradford, UK.
* Alzubaidi R, Qahwaji R, Ipson S, Brahma A, Walkden A: **Medical Imaging: Development of automated diagnostic system for corneal abnormalities of Acanthamoeba keratitis**. *Poster session presented at the 1st Annual Innovative Engineering Research Conference (aierc2017)*, *University of Bradford, UK*.
* Alzubaidi R **: Developing an automated diagnostic corneal system to detect abnormalities in corneal layers of Fusarium patient using in vivo confocal microscopic images**. *Seminar at Center of visual computing*, *Jan 14, 2016. University of Bradford, UK.*
* Alzubaidi R **: Developing an automated diagnostic corneal system to detect abnormalities in corneal layers of Acanthamoeba keratitis patient using in vivo confocal microscopic images**. *Seminar at* *IT Faculty, Aug 3, 2016. Jordan University of Science and Technology, Jordan*.
* Alzubaidi R **: Automated Diagnosis for Medical Imaging of Eye Diseases**. *Seminar at School of Electrical Engineering and Computer Science, Mar 15, 2017. University of Bradford, UK*.
* Alzubaidi R **: Fully automated image processing system for diagnosis of corneal diseases**. *Seminar at IT Faculty, Aug 16, 2017. Yarmouk University, Jordan*.
* “**Advanced Literature Searching**” *workshop, Jan 2014, Library staff , University of Bradford, UK.*
* “**Teaching as a Career**” *workshop, Oct 2013, Career Development Services, University of Bradford, UK.*
* “**Professional Workplace Etiquette**” *workshop, Oct 2013, Career Development Services, University of Bradford, UK*.
* An **organizer and a member in the reception committee** in the ISIICT'2011, Philadelphia University, Jordan.
* A member in the **information committee** in the ISIICT'2009, Philadelphia University, Jordan.

**International Certifications:**

Jan 2012 Zend Certified Engineer PHP 5.3

**Taught Modules:**

Introduction to Information Systems and Information Technology, Algorithms and data structures in C++, Introduction to Web Programming using PHP, Computer Skills ( Microsoft Office and Internet), Information Systems Management, Information Systems Modeling, E-business, Medical Image processing (for Master degree students), Introduction to Programming, Communication Skills, Image Processing (using MATLAB), programming in C++ for Engineers, Introduction to Object-Oriented Programming, Lab of Object-Oriented Programming, and Lab of C++ programming.

**Main Programming Languages:**

Matlab, C++, PHP, and Python.

**Personal Web Pages:**

**LinkedIn:** [https://www.linkedin.com/in/rania-alzubaidi-85b0a390](https://www.linkedin.com/in/rania-alzubaidi-85b0a390?fbclid=IwAR3Nd68TYKpbroN7u1wVD4-sNnBbKyC1KbBjCyz6ijNKbMIwR3utzMhNnfA)

**Google Scholar:** [https://scholar.google.com/citations?hl=en&user=W2wJouUAAAAJ](https://scholar.google.com/citations?hl=en&user=W2wJouUAAAAJ&fbclid=IwAR1sxuSD1jP6orwSS2XWRWk6--Un7NHj9P5pH0rTOJFPNEbiIxe7GaDpTFg)