# DINA M. TBAISHAT

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## PROFESSIONAL SUMMARY

UK graduate, currently teaching at Zayed University, previously Associate Professor at University of Jordan. Active researcher in digital health, granted the ZU start-up fund and the Research Incentive Fund (RIF). Active and founding member of the iOntoBioethics Research Group, first established internationally. Active researcher in Cancer Care Informatics (CCI). Amongst the teaching staff of the first International CCI MSc programme, both taught and research. Active member of Association of Jordanian Women Academics and founding member of their first International Conference "Women in Academia". Member of multiple committees in the university. Experience in academic and key administrative positions. **UAE Equivalency issued**.

## EDUCATION

2012
**PhD: Information Studies**
University of Wales | Aberystwyth, Wales, UK
Research Project: "How business process modeling can help visualize and improve academic libraries' processes"

2005
**MSc: Software Engineering**
University of the West of England | Bristol, UK
Research Project: "Investigating the use of neural networks in off-line signature recognition with pen thickness invariant

Jun 2004
**BSc: Computer Information Systems**
University of Jordan | Amman, Jordan

## SKILLS

- Innovative teaching techniques
- Applied research
- Inspiring communicator
- Methodical multitasker

## WORK HISTORY

Aug 2021 - Current
Zayed University - College of Technological Innovation

- 1 year in Abu Dhabi campus then relocated to Dubai. Teaching IT Project Management, Systems Analysis and Design, and supervising Senior Project students. I am also internal examiner for Master's students.

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| Jan 2019 - Jan 2021<br>**Associate Professor**<br>University of Jordan | • Teaching IT courses for undergraduates and postgraduates, such as system analysis, computer networks, and digital libraries, in addition to supervising Masters students' theses<br>• Member of multiple committees within faculty such as quality assurance, and higher studies committee<br>• Coordinator of the academic program at the faculty<br>• Administrative position of Assistant Director of University Requirements Coordination Office (2019) |
| Nov 2019 - Dec 2020<br>**Associate Professor** | • Teaching "Requirements Engineering" course for Master's students of the MSc programme "Cancer Care Informatics", and supervising CCI MSc dissertations<br>• MSc in CCI is a Joint programme between King Hussein Cancer Center and the University of Jordan, where a professor of CCI from University of the West of England (Bristol/UK) is jointly appointed to KHCC, co-directing the CCI<br>• For more information about the programme please visit: https://www.khcc.jo/en/cancer-care-informatics |
| Oct 2013 - Jan 2019<br>**Assistant Professor**<br>University of Jordan | • Teaching IT courses for undergraduates and postgraduates, such as system analysis, computer networks, and digital libraries, in addition to supervising Masters students' theses<br>• Member of multiple committees within faculty such as quality assurance, and higher studies committee. |
| Sep 2013 - Oct 2013<br>**Lecturer**<br>University of Jordan | • Teaching IT courses for undergraduates and postgraduates, such as system analysis, computer networks, and digital libraries, in addition to supervising Masters students' theses. |
| Sep 2010 - Jun 2013<br>**Lecturer**<br>Arab Open University<br>Jeddah - KSA | • Teaching IT courses, such as networked living: exploring information and communication technologies, information and communication technologies: people and interactions, team working in distributed environments, in addition to supervising undergraduate students' projects<br>• Member of quality assurance committee. |
| Jan 2008 - May 2009<br>**Teaching and Research Assistant**<br>Aberystwyth University | • Teaching systems analysis and research methodologies for undergraduates. Double marking exam papers. |

## PUBLICATIONS - JOURNALS

Elgamal, Z., Sabri, A. Q. M., Tubishat, M., **Tbaishat, D.**, Makhadmeh, S. N., and Alomari, O. A. (2022). Improved Reptile Search Optimization Algorithm Using Chaotic Map and Simulated Annealing for Feature Selection in Medical Field, *IEEE Access*, 10, pp. 51428-51446, doi: 10.1109/ACCESS.2022.3174854.

Odeh, M., Kharbat, F., Yousef, R., Odeh, Y., **Tbaishat, D.**, Hakooz, N., Dajani, R., and Mansour, A. (2021). iOntoBioethics: A Framework for the Agile Development of Bioethics Ontologies in Pandemics, Applied to COVID-19, *Frontiers in Medicine*. 8:619978. https://www.frontiersin.org/articles/10.3389/fmed.2021.619978/abstract

**Tbaishat, D.** (2020). Jordanian Public Libraries in Relation to Achieving SDGs: Shoman Library in Action, *Public Library Quarterly*, 40 (2), pp. 125-143. https://doi.org/10.1080/01616846.2020.1738836

**Tbaishat, D.** (2018). Ensuring access to theses in the Arab speaking world – University of Jordan initiatives, *Digital Library Perspectives*, 34 (4), pp.308-322.

**Tbaishat, D.** (2018). Process architecture development using Riva and ARIS: comparative study. *Business Process Management Journal*, 24 (3), pp.837-858

**Tbaishat, D.** (2017). Business process modelling using ARIS: process architecture, *Library Management*, 38(2/3), 88-107

Hamad, F., **Tbaishat, D.**, and Fadel, M. (2017). The role of social networks in enhancing library staff profession and promoting academic library services: A comparison study between University of Jordan and AL Balqa Applied University. *Journal of Librarianship & Information Science*, 49 (4) pp. 397-408.

Urquhart, C., and **Tbaishat, D.** (2016). Reflections on the value and impact of library and information services. Part 3: towards an assessment culture. *Performance Measurement and Metrics,* 17(1), 29-44

**Tbaishat, D.** (2010). Using business process modeling to examine academic library activities for periodicals. *Library Management*, 31(7), 480-493.

## PUBLICATIONS - BOOK CHAPTER & EDITED BOOK

Urquhart, C., **Tbaishat, D.**, and Hamad, F. (2017). *Process and information practice for information systems*. Part of the iResearch series. UK: Facet Publishing

**Tbaishat, D.** (2017). The role of social network sites in connecting students with learning and academic activities: a case study. In Taha, N., Sayyed, R. and Qatawna, J. (Eds.), *Social media shaping e-publishing*. NY: Springer

## PUBLICATIONS – CONFERENCE PAPERS PUBLISHED IN IEEE XPLORE DIGITAL LIBRARY

**Tbaishat, D.**, Odeh, Y., Kharbat, F., Shamieh, O., and Odeh, M. (2022). Critical Analysis of Palliative Homecare Using the i* Framework's Strategic and Social Requirements Modelling Applied to a Cancer Care Organisation. Paper presented at the 23rd International Arab Conference on Information Technology (ACIT), Al Ain University, Abu Dhabi, 22-24 November, 2022

Odeh Y., **Tbaishat, D.**, Shamieh, O., and Odeh, M. (2022). Critical Analytical Insights of Palliative Care Process Modelling in a Regional Cancer Care Centre. Paper presented at the 23rd International Arab Conference on Information Technology (ACIT), Al Ain University, Abu Dhabi, 22-24 November, 2022

**Tbaishat, D.**, Odeh, Y., Tbakhi, A., and Odeh, M. (2018). Deriving Object-based Business Process Architectures Using Role-based Business Process Models: A Reverse-Engineering Approach Applied to the Cell Therapy and Applied Genomics in a Cancer Care Organisation. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library. pp. 119-124. DOI: 10.1109/CANCERCARE.2018.8618214

Odeh, Y., **Tbaishat, D.**, Al-Okaily, A., Khudirat, S., Al-Smadi, O., Hejazi, A., Sharma, S., Tbakhi, A. and Odeh, M. (2018). Informing Business Process Models Adherence to Protocols via Business Process Modelling: The Case of Cell Therapy and Applied Genomics in Cancer Care. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library. pp. 82-89. DOI: 10.1109/CANCERCARE.2018.8618205

Aburub, F., Odeh Y., **Tbaishat, D.**, Sharma, S., Tbakhi, A., and Odeh, M. (2018). Deriving Informational Needs from Process Models: the Case of Cell Therapy and Bone Marrow Transplant Workflow in a Cancer Center Organization. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library. pp. 110-118. DOI: 10.1109/CANCERCARE.2018.8618228

Odeh, Y., **Tbaishat, D.**, Sharma, S, Aburub, F., Tbakhi, A. and Odeh, M. (2018). Using Business Process Models to Inform Deriving State Transition Diagrams: Applied to BMT Lab in a Cancer Organization. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library. 180-187. DOI: 10.1109/CANCERCARE.2018.8618238

Odeh, M., Green, S., Kossmann, M., **Tbaishat, D.**, Tbakhi, A., and Mansour, M. (2018). Evaluating the Riva Business Process Architecture Identification Method and its Constituent Heuristics through their Application to a Cancer Care Organisation. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library, pp. 217-230. DOI: 10.1109/CANCERCARE.2018.8618252

Odeh, M., Dajani, R., **Tbaishat, D.**, Odeh, Y., Tbakhi, A., Sultan, I., Hakooz, N., and Kharbat, F. (2018). i.LLL. Cancer care: Towards an Intelligent Life Long Learning Framework for Cancer Care. In the proceedings of the 1st international conference on Cancer Care Informatics (CCI), Amman, Jordan, 19-21 November 2018. IEEE Xplore digital library, pp. 244 – 246. DOI: 10.1109/CANCERCARE.2018.8618230

## CONFERENCES' PAPERS

Nabil, B., **Tbaishat, D.**, and Al-Murtada, N. (2021). Challenges to Professional Growth for Women Academics, same old story, or is it different? A case study in Jordan. In the 1st

International Scientific Conference of Women in Academia, by the Association of Jordanian Women Academics, Amman, Jordan, 20-21 January 2021.

**Tbaishat, D.** (2018). Ensuring Access to Theses in the Arab Speaking World – University of Jordan Initiatives. Libraries in the Digital Age (LIDA), Zadar, Croatia, 13-15 June 2018

Tbaishat, D. (2016). Business Process Modelling Using Riva and ARIS – Part 1: Process Architecture Development: Comparative Study. In the 21st UK Academy of Information Systems (UKAIS) conference on Information Systems Comes of Age, Oxford, UK, 12-13 April 2016

**Tbaishat, D.** (2015). Designing Business Process Architecture for Academic Libraries Using ARIS. In: the 4th Scientific & Research Conference on New Trends in Business, Management and Social Sciences (COES&RJ), Istanbul, Turkey, 29-20 September 2015. I was given "best paper award".

**Tbaishat, D.** (2015). The Role of Social Network Sites in Connecting Students with Learning and Academic Activities: A Case Study. In: the 1st International Conference of E-publishing: Social media shaping e-publishing, Amman, Jordan, 27-29 July 2015

Hamad, F., **Tbaishat, D.** and Fadel, M. (2015). Value of Social Networks in Academic Libraries: A Case Study. In: The 6th International Conference: Education in a renewable digital environment, Zarqa University, Jordan, 6-7 May 2015

**Tbaishat, D.** (2009). Using Business Process Modeling to Examine Academic Library Activities for Periodicals. In: Bridging the gap, Proceedings of the 5th Evidence Based Library and Information Practice (EBLIP). Stockholm: Sweden, 29 June-3 July 2009

**Tbaishat, D.**, Urquhart, C., and Preston, H. (2009). Business Process Management in Academic Information Services. In: Positive Information Systems, Proceedings of the 14th Annual Conference of the UK Academy for Information Systems (UKAIS). Oxford: UKAIS

## MEMBERSHIP

- Fellow of the Higher Education Academy – 2022 – present.
- Member of the Association of Jordanian Women Academics – 2017 – present.
- Member of Association of Information Science and Technology (ASIS&T) - 2018.
- Member of Jordanian Transparency Center – 2019.
- Member of the College of Technological Innovation Academic Integrity Committee – Aug 2021 – present.

## RESEARCH GROUPS, PROJECTS AND REVIEW ACTIVITIES

- Granted two Zayed University funds in 2022, the Start-Up fund (20,000 AED) and the RIF fund (300,000 AED). The first fund is for a project titled: "Improved Optimization Algorithm for Identifying Patients Illegible for Teleconsultation: Case Study of Dubai Hospital." project, while the RIF will be investigating "Fraud detection in medical claims using GNN".
- Founding member of the iOntoBioethics Research Group: https://iontobioethics.org/
- Founding member, organizer and the reviewer of the first International Scientific Conference: Women in Academia by The Association of Jordanian Women Academics, Amman, Jordan (January 2021).
- Member of the reviewing committee for the International Conference on Cancer Care Informatics (CCI).

- Member of the reviewing committee for the International Conference on E-Publishing (ICEPUB) – Amman-Jordan.
- Reviewed papers for IEEE Access, Information and Culture, Health Systems, and Journal of the Arab American University.
- Systematic review teaching materials, by Higher Education Academy (HEA). Unit 2: Formulating searches for research evidence (2007).

## TEACHING ACTIVITITES

As part of Erasmus+ International Credit Mobility programme, I was selected amongst various applicants to teach one week at University of Cyprus. I taught three courses at the Computer Science Department, these are: system analysis and design, software engineering, professional practice in software engineering. I also presented a lecture to the computer science department staff and post-graduate students, about my research interests, see the link below: https://www.cs.ucy.ac.cy/colloquium/index.php?speaker=cs.ucy.2017.tbaishat

## COURSES, CERTIFICATES AND WORKSHOPS

- Certificate of participation with a shortlisted research paper in the 3rd Forum for Women in Research, University of Sharjah Thursday, August 2022. Paper Details: Amoudi, G., and **Tbaishat, D.** (2022). "Empowering Female students in Social Network Analysis Through a Web-Based Interactive Computing Platform".
- Certificate of Graduate Teaching Orientation - contributing towards Graduate Faculty Designation, Zayed University, Fall 2022.
- Appreciation certificate for volunteering for the ZU graduation ceremony in Expo 2020.
- HarvardX certificate in "Data Science: R Basics", Mar-Apr 2021 - 8 weeks online course.
- Certificate of appreciation for "Distinguished Researcher", by University of Jordan, 2020.
- "Blended Learning Essentials", Mar-May 2019, University of Leeds and UCL Institute of Education – 12 weeks online course
- "Procedures and forms for quality assurance", 26th April 2016, University of Jordan. Delivered by center of accreditation and quality assurance-University of Jordan
- "How to Get Published", 29th February 2016, University of Jordan. Delivered by Taylor & Francis – Publisher
- "Writing and Publishing Research", 3rd November 2015, University of Jordan. Delivered by Springer Publications
- "Contemporary Issues in the Design of Higher Education Curricula", 12-13 October 2015, University of Jordan. Delivered by Prof. Blackmore from Kings College London
- "Web of Science and Endnote Training", 28th April 2015, University of Jordan. Delivered by the intellectual property & science department of Thomson Reuters.

## REFERENCES

Dr. Christine Urquhart- Senior lecturer in the department of Information Studies, Aberystwyth University, Aberystwyth, Wales, SY23 3AS
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Prof. Mohammad Odeh - Reader and Leader of Software Engineering Research Group, University of the West of England, Bristol, UK
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