

Curriculum Vitae – Dari Alhuwail

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Education

- Ph.D. Information Systems – *Health Informatics*, University of Maryland, Baltimore County, 2016.
- M.S. Management Information Systems, University of Arizona, 2007.
- B.S.B.A. Management Information Systems (*Honors*), University of Arizona, 2006.
- B.S.B.A. Entrepreneurship (*Honors*), University of Arizona, 2006.
- B.S.B.A. Operations Management, University of Arizona, 2006.

Fellowships

- Fellow, American Medical Informatics Association, United States of America, 2020.
- Member, Middle East Elsevier Advisory Board, United Arab Emirates, 2019.
- Fellow, Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, Engineering, Medicine, Kuwait, 2018.
- Research Fellow, Kuwait Programme, Middle East Centre, London School of Economics and Political Science, London, 2018.

Professional Development and Training

- Harvard Medical School Postgraduate Medical Education, Safety, Quality, Informatics and Leadership Program, 1-year Certificate Program, Harvard University, 2020.
- Research Publication Workshop, University of California Berkeley, Kuwait, 2017.
- VIVA Telecom Small to Big Entrepreneurship Training Program, London, 2012.
- Thukhur National Leadership Development Program, Cornell University, New York, 2012.
- Division of Clinical Informatics (BIDMC), Harvard Medical Faculty Physicians, Boston, 2010.

Professional Experience

- **Acting Department Chair**, Department of Information Science, College of Life Sciences, Kuwait University, 2020 – Present.
- **Associate Professor**, Department of Information Science, College of Life Sciences, Kuwait University, 2020 – Present.
- **Assistant Professor**, Department of Information Science, College of Life Sciences, Kuwait University, 2019 – 2020.
- **Member**, Smart Vaccination Card Working Group, World Health Organization, 2021 – Present.
- **Member**, Digital Health Technical Advisory Group, World Health Organization, 2019 – Present.
- **Regional Vice President – Middle East and North Africa**, International Medical Informatics Association, 2020 – Present.

- **Vice President**, Middle East and North African Health Informatics Association, 2019 – Present.
- **Vice-Chair**, Student and Emerging Professionals Special Interest Group, International Medical Informatics Association, 2019 – Present.
- **Team Leader & Consultant**, Technology Team, Northern Economic Zone – "Hareer", 2019 – 2020.
- **Member**, Digital Health Committee, Ministry of Health, Kuwait, 2021 – Present.
- **Collaborator**, GeoHealth Lab, Dasman Diabetes Institute, 2018 – Present.
- **Health Informatics Consultant and Co-Founder**, Health Informatics Unit, Dasman Diabetes Institute, 2017 – Present.
- **Data Security Officer**, Data Governance Council, Dasman Diabetes Institute, 2018 – Present.
- **Advisor**, Health Reform Strategy Initiative, Kuwait Foundation for the Advancement of Sciences, Kuwait, 2019 – 2020.
- **Evaluator**, KAFO – An Amiri Diwayan Initiative, 2019 – Present.
- **Member**, National Health Informatics Strategy Committee, Ministry of Health, Kuwait, 2019 – 2020.
- **Member**, Health Information Improvement Task-force, Ministry of Health, Kuwait, 2018 – 2019.
- **Consultant**, New Kuwait Strategic Plan Promotion Advisory Board, Supreme Council for Planning and Development – Kuwait, 2018 – 2019.
- **Assistant Professor**, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2016 – 2019.
- **Honorary Lecturer – Postgraduate Medical Education**, College of Medicine, University of Dundee, 2016 – Present.
- **Lab Manager**, Health IT Lab, University of Maryland, Baltimore County, 2013 – 2016.
- **Teaching Assistant**, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2012.
- **Partner**, Burger Flipper and Operations Manager, Hashtag Burgers – Kuwait, 2011 – 2013.
- **Systems Engineer**, Information Technology, Dasman Diabetes Institute, 2010 – 2012.
- **Software Developer**, Ministry of Health – Kuwait, 2009 – 2010.

Awards

- *Research Reward for Unfunded Project* – Office of the Vice President for Research – Kuwait University, 2020.
- *Teaching Excellence Award* – Office of the Vice President for Academic Affairs – Kuwait University, 2019.
- *Outstanding Research Poster Award* – College of Computing Sciences and Engineering – Kuwait University, Annual Poster Day for Sciences Faculties, 2019.
- *Outstanding Achievement Award – "Monjiz"* – Ministry of State for Youth Affairs, 2017.
- *Outstanding Research Poster Award - College of Computing Sciences and Engineering* – Kuwait University, Annual Poster Day for Sciences Faculties, 2017.
- *Outstanding Research Podium Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- *Outstanding Research Poster Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- *Outstanding Research Poster Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2015.

- *Rescuer of the Year* – Middle River Volunteer Ambulance and Rescue, U.S. Congress, and U.S. Senate, 2015.
- *Rookie of the Year* – Riviera Beach Volunteer Fire Company, 2015.
- *Top Training Hours* – Riviera Beach Volunteer Fire Company, 2015.
- *Building Relationships Award* – Thukhur National Leadership Development Program, 2012.
- *Volunteer Appreciation Award* – Spread the Passion Volunteers, 2010.
- *Top U.S.A. Graduate Scholars Award* – Kuwait's Ministry of Higher Education, 2008.
- *Merit Graduate Scholarship Award* – Kuwait's Ministry of Higher Education, 2007.
- *Dean of Students Award Finalist* – University of Arizona, 2006.
- *Merit Undergraduate Scholarship Award* – Kuwait's Ministry of Higher Education, 2002.

Teaching Excellence

Self-Development

- Design and Education: Designing for Sustainable Solutions, Nuqat on Tour, Nuqat, Kuwait, 2018.
- Good Practices in Utilizing Electronic/Digital Knowledge Resources in Teaching and Learning Processes, National Bureau for Academic Accreditation and Education Quality Assurance (NBAQ), 2018.
- Design Thinking for Educators, The SEEN Engaging, Embracing, Emerging - Visual Communication Conference, Gulf University for Science and Technology, Kuwait, 2018.
- Train-the-Trainer; Teaching Excellence Workshop, University of California Berkeley, San Francisco, 2018.
- Teaching Excellence Workshop, University of California Berkeley, Kuwait, 2017.

Service and Community Building

- **Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2018/2019 – Present.
- **Co-Facilitator**, Teaching Excellence in Online Teaching Workshop, VPAA, Kuwait University – 2021.
- **Co-Facilitator**, Teaching Excellence Workshop for faculty in Arabic, VPAA, Kuwait University – 2018.
- **Co-Host**, First forum of the "Teaching Excellence Community of Practice" at Kuwait University, Kuwait University – 2018.
- **Co-Facilitator**, Teaching Excellence Workshop: Learning by Design, VPAA, Kuwait University – 2018.
- **Planner**, Active Learning and Teaching with Technology, VPAA, Kuwait University – 2018.
- **Host and Planner**, Lecture titled "Re-imagining the Teaching Space" By Prof. Paul Corcoran from University of South Australia, College of Computing Sciences and Engineering in collaboration with the VPAA, Kuwait University, 2018.

Academic Service

- **Member**, eLearning Bylaws Committee, Vice President for Academic Support Services, Kuwait University, Kuwait – 2020.
- **Member**, Scientific Committee, Digital Health Kuwait Conference, Ministry of Health, Kuwait – 2019.
- **Chair and Co-Founder**, Special Interest Group - Human Computer Interaction (SIGCHI), Kuwait City Chapter, Associated Computing Machinery (ACM) – 2019.

- **Acting Chair**, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Secretary**, Department Council, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Member**, Graduate Program Committee – M.S. Computer Information Systems, Information Science Department, College of Computing Sciences and Engineering & College of Graduate Studies, Kuwait University – 2018/2019.
- **Chair**, Ethics Review Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Member**, Social and Public Seminar Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Member**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Host and Planner**, Lecture titled "Re-imagining the Teaching Space" By Prof. Paul Corcoran from University of South Australia, College of Computing Sciences and Engineering in collaboration with the Office of the Vice President for Academic Affairs, Kuwait University, 2018.
- **Co-Facilitator**, Teaching Excellence Workshop: Learning by Design, Office of the Vice President for Academic Affairs, Kuwait University – 2018.
- **Planner**, Active Learning and Teaching with Technology, Office of the Vice President for Academic Affairs, Kuwait University – 2018.
- **Reviewer**, Journal of Medical Internet Research – 2018 – Present.
- **Reviewer**, PervasiveHealth 2018, 12th EAI International Conference on Pervasive Computing Technologies for Healthcare – 2018.
- **Member**, Scientific Committee, GCC eHealth Workforce Development Conference, GCC Taskforce on Workforce Development in Digital Healthcare – 2018.
- **Chair**, Registration Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Member**, Organizing Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Reviewer**, Technical Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Co-Organizer**, GeoHealth Seminar, Dasman Diabetes Institute – 2017.
- **Chair**, Ethics Review Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Chair**, Social and Public Seminar Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Member**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Co-Chair**, International Relations Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2017.
- **Member**, Program Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2014 - 2017.
- **Secretary**, Undergraduate Programs Committee, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Secretary**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.

- **Member**, Social Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Reviewer**, Annual American Medical Informatics Association Annual Symposium – 2016 - 2017.
- **Reviewer**, Journal of Applied Clinical Informatics – 2016.
- **Chair**, Local Arrangements Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2014 - 2016.

Community Service

- **Founder**, Missing Maps Kuwait, 2018 – Present.
- **Member**, Kuwait GIS User Group (KGUG), 2017 – Present.
- **Chair**, Rescue Committee, Kuwait Fire Protection Association, 2016 – Present.
- **Founder**, Kuwait Health Informatics Network, 2014 – Present.
- **Volunteer**, Kuwait Red Crescent Society, 2012 – Present.
- **Information Technology and Informatics Consultant**, Direct Aid, 2013 – Present.
- **International Relations Officer**, Kuwait Dive Team, 2008 – Present.
- **Accessibility Volunteer Sailor and Mate**, Downtown Sailing Center (USA), 2012 – 2016.
- **Chair**, Graduate Students Committee, National Union of Kuwaiti Students (USA), 2013 – 2015.
- **Board Member**, National Union of Kuwaiti Students (USA), 2012 – 2013.
- **Information Technology Consultant**, Bayt Abdulla Children’s Hospice, 2010 – 2014.
- **Youth Leader, Systems Advisor and Co-Founder of Kuwait 4 Kenya (K4K)**, Lothan Youth Achievement Center (LoYAC), 2008 – 2012.
- **Co-Founder**, Kuwaiti Student Association, University of Arizona, 2004.

Associations

- International Medical Informatics Association (IMIA).
- American Medical Informatics Association (AMIA).
- Healthcare Information and Management Systems Society (HIMSS).
- American Health Information Management Association (AHIMA).
- Middle East and North African Health Informatics Association (MENAHAIA).
- International Society for Telemedicine and eHealth (ISfTeH).
- Institute of Electrical Engineers and Electronics (IEEE).
- Kuwait GIS User Group (KGUG), Kuwait.
- Kuwait Fire Protection Association (KFPA), Kuwait.
- American Middle Eastern Network for Dialogue at Stanford University (AMENDS), USA.
- Arizona Blue Chip Program, USA.
- Delta Sigma Pi International Professional Business Fraternity, USA.
- Golden Key International Honor Society, USA.
- Helicopter Rescue and Response Association (HRRRA).
- International Association of Fire Chiefs (IAFC).

- Kuwait Dive Team, The Environmental Voluntary Foundation, Kuwait.
- Kuwaiti Student Association - University of Arizona.
- Kuwait Information Technology Society.
- Kuwait Red Crescent Society.
- Kuwait Transparency Society.
- Kuwait Health Initiative.
- Lothan Youth Achievement Center (LoYAC).
- Maryland Flight Paramedics Association.
- Management Information Systems Graduate Association - University of Arizona.
- National Union of Kuwait Students.
- Students for International Change.
- Sigma Alpha Lambda.
- Thukhur - National Program to Develop Future Promising Leaders.
- WYSE International.

Fire, Rescue, and Emergency Medical Services

- Volunteer, Middle River Volunteer Fire and Rescue Company, 2016 – Present.
- Water Rescue Captain, Middle River Volunteer Fire and Rescue Company, 2016 – 2017.
- Rescue Lieutenant, Firefighter/NREMT, Middle River Volunteer Ambulance and Rescue, 2012 – 2016.
- Firefighter II/NREMT, Lansdowne Volunteer Fire Company, 2015 – 2017.
- Swiftwater Rescue Technician, Kingsville Volunteer Fire Company, 2015 – Present.
- Rescue Diver, Firefighter/NREMT, Prince George’s County Fire and Marine Rescue Department, 2015 – 2017.
- Firefighter II/NREMT, Jessup Volunteer Fire Department, 2015 – 2017.
- Firefighter II/NREMT, Riviera Beach Volunteer Fire Company, 2012 – 2016.

Scholarly Activities

Peer-Reviewed Scientific Book Chapters

- Agarwal S, **Alhuwail D**, John O. (2020). mHealth Solutions in Global Health. **In** Haring R, Kickbusch I, Ganten D, Moeti M (Eds.). *Handbook of Global Health*. (Accepted). Springer. doi: [10.1007/978-3-030-05325-3](https://doi.org/10.1007/978-3-030-05325-3)
- Abd-Alrazaq A, Schneider J, **Alhuwail D**, Hamdi M, Al-Kuwari S, Al-Thani D, Househ, M. (2020). Artificial Intelligence in the Fight against the COVID-19 Pandemic: Opportunities and Challenges. **In** Househ M, Kushniruk A, Borycki E (Eds.). *Multiple Perspectives on Artificial Intelligence in Healthcare: From Challenges to Opportunities*. (Accepted). Springer.

Journal Articles

- Abd-alrazaq AA, Suleiman N, Baagar K, Jandali N, **Alhuwail D**, Abdalhakam I, Shahbal S, Abou-Samra A-B, Househ M. Patients and healthcare workers experience with a mobile application for self-management of diabetes in Qatar: A qualitative study. *Computer Methods and Programs in Biomedicine Update*. 2021 Jan 22;100002. doi: [10.1016/j.cmpbup.2021.100002](https://doi.org/10.1016/j.cmpbup.2021.100002)

- **Alhuwail D.** Information Management Practices in Public Tertiary Healthcare Facilities: An Empirical Investigation from the State of Kuwait. *Records Management Journal*. 2020; Accepted: In-press. doi: [10.1177/1833358319837247](https://doi.org/10.1177/1833358319837247)
- Abd-alrazaq A, Alajlani M, **Alhuwail D**, Erbad A, Giannicchi A, Shah Z, Hamdi M, Househ M. Blockchain Technologies to Mitigate COVID-19 Challenges: A Scoping Review. *Computer Methods and Programs in Biomedicine Update*. 2020; Accepted: In-Press. doi: [10.1016/j.cmpbup.2020.100001](https://doi.org/10.1016/j.cmpbup.2020.100001)
- Abd-alrazaq A, Alajlani M, **Alhuwail D**, Schneider J, Al-Kuwari S, Shah Z, Hamdi M, Househ M. Artificial Intelligence in the Fight against COVID-19: A Scoping Review. *Journal of Medical Internet Research*. 2020 Dec 15;22(12):e20756. doi: [10.2196/20756](https://doi.org/10.2196/20756)
- **Alhuwail D**, AlSharrah S, Coffee N, Al-Refaei F, Daniel M. Place and Health Infrastructure in the Gulf Cooperation Council: A Systematic Scoping Review of GIS Applications in Health. *Geospatial Health*. 2020; 15:887. doi: [10.4081/gh.2020.887](https://doi.org/10.4081/gh.2020.887)
- Abd-alrazaq A, **Alhuwail D**, Househ M, Hamdi M, Shah Z. Top Concerns of Tweeters During the COVID-19 Pandemic: A Surveillance Study. *Journal of Medical Internet Research*. 2020; 22(4). doi: [10.2196/19016](https://doi.org/10.2196/19016)
- **Alhuwail D**, Al-Jafar E, Alshammari R, Al-Shorbaji N, El Hassan O, Al-Hamdan Z, Alshammari A, Fernandez Luque L, AL Salmi S, Taweel A, AlKhalifa K, Househ M, Al Thani D. Middle East and North African Health Informatics Association (MENAHA): Strengthening Health Informatics Ecosystems in the Region and Beyond. *Yearbook of Medical Informatics*. 2020; Accepted: In-Press. doi: [10.1055/s-0040-1701968](https://doi.org/10.1055/s-0040-1701968)
- AlMeraj Z, Boujarwah F, **Alhuwail D**, Qadri R. Evaluating the Accessibility of Higher Education Institution Websites in the State of Kuwait: Empirical Evidence. *Universal Access in the Information Society*. 2020; Accepted:In-press. doi: [10.1007/s10209-020-00717-8](https://doi.org/10.1007/s10209-020-00717-8)
- Abdulsalam Y, **Alhuwail D**, Schneller E. Adopting Identification Standards in the Medical Device Supply Chain. *International Journal of Information Systems and Supply Chain Management*. 2020; 13(1): 1-14. doi: [10.4018/IJISSCM.2020010101](https://doi.org/10.4018/IJISSCM.2020010101)
- **Alhuwail D.** Understanding Health Information Management Practices in Public Hospitals in Kuwait. *Health Information Management Journal*. 2020; 49(2-3): 127-136. doi: [10.1177/1833358319837247](https://doi.org/10.1177/1833358319837247)
- **Alhuwail D**, Albaj R, Ahmad F, Aldakheel K. The State of Mental Digi-Therapeutics: A Systematic Assessment of Depression and Anxiety Apps Available for Arabic Speakers. *International Journal of Medical Informatics*. 2019; 35:104056. doi: [10.1016/j.ijmedinf.2019.104056](https://doi.org/10.1016/j.ijmedinf.2019.104056)
- Alaslawi H, Berrou I, **Alhuwail D**, Aslanpour Z. Status and trends of e-Health tools in Kuwait: A narrative review. *Journal of Health Informatics in Developing Countries*. 2019; 13:2.
- Abdulsalam Y, **Alhuwail D**, Al-Jafar E. The Physician's Hand in Kuwait's Health Care Supply Management. *Arab Journal of Administrative Sciences*. 2019; 26(2):355-377.
- Alshammari R, Al-Shorbaji N, Ahmed Z, Al-Hamadan Z, Alshammari A, El Hassan O, **Alhuwail D**, Al Salmi S, Al-Jafar E, Ghazal H. Middle East and North African Health Informatics Association (MENAHA): A New Opportunity for the Region. *Yearbook of Medical Informatics*. 2019; 28(01): 292-296. doi: [10.1055/s-0039-1677896](https://doi.org/10.1055/s-0039-1677896)
- **Alhuwail D**, Abdulsalam Y. Assessing eHealth Literacy in the State of Kuwait: A Survey of Internet Users from an Arab State. *Journal of Medical Internet Research*. 2019; 21(5):e11174. doi: [10.2196/11174](https://doi.org/10.2196/11174)
- Peltonen LM, Pruinelli L, Ronquillo C, Nibber R, Lozada Peresmitre E, Block L, Deforest H, Lewis A, **Alhuwail D**, Ali S, Badger MK, Eler GJ, Georgsson M, Islam T, Jeon E, Jung H, Kuo CH, Sarmiento RFR, Sommer J, Tayaben JL, Topaz M. The current state of Nursing Informatics – An international cross-sectional survey. *Finnish Journal of eHealth and eWelfare*. 2019; 11(3): 220-231. doi: [10.23996/fjhw.77584](https://doi.org/10.23996/fjhw.77584)
- **Alhuwail D**, Abduo H, Alqabandi N, Abu-Ghefreh A, Dawwas B, Halawa N. Engagement and Usage Patterns of a Diabetes Education Website Tailored for Arabic Speakers: A Case Study of a Diabetes Website. *Journal of Consumer Health on the Internet*. 2018; 22(4): 337-351. doi: [10.1080/15398285.2018.1547088](https://doi.org/10.1080/15398285.2018.1547088)

- **Alhuwail D**, AlMeraj Z, Boujarwah F. Evaluating Hospital Websites in Kuwait to Improve Consumer Engagement and Access to Health Information: A Cross-Sectional Analytical Study. *BMC Medical Informatics and Decision Making*. 2018; 18:82. doi: [10.1186/s12911-018-0660-4](https://doi.org/10.1186/s12911-018-0660-4)
- Koru G, **Alhuwail D**, Jademi O, Uchidiuno U, Rosati R. Technology Innovations for Better Fall-Risk Management in Home Care: Directions Emerging from a Qualitative Analysis of Fall Incident Reports. *Journal of Gerontological Nursing*. 2018; 44(7):15-20. doi: [10.3928/00989134-20180412-01](https://doi.org/10.3928/00989134-20180412-01)
- Koru G, Parameshwarappa P, **Alhuwail D**, Aifan A. Facilitating Focused Process Improvement Efforts in Home Health Agencies to Improve Utilization Outcomes Effectively and Efficiently. *Home Healthcare Management and Practice*. 2018; 30:3. doi: [10.1177/1084822317754190](https://doi.org/10.1177/1084822317754190)
- **Alhuwail D**, Koru G, Nahm ES. How Can Home Care Patients and their Caregivers Better Manage Fall Risks by Leveraging Information Technology. *Journal of Patient Experience*. 2017; 3(4):137-144. doi: [10.1177/2374373517690286](https://doi.org/10.1177/2374373517690286)
- **Alhuwail D**, Koru G, Mills ME. Supporting the Information Domains of Fall-Risk Management in Home Care via Health Information Technology. *Home Health Care Services Quarterly*. 2017; 35(3-4): 155-171. doi: [10.1080/01621424.2016.1264340](https://doi.org/10.1080/01621424.2016.1264340)
- **Alhuwail D**. Diabetes Applications for Arabic Speakers: A Critical Review of Available Apps for Android and iOS Operated Smartphones. *Studies in Health Technology and Informatics*. 2016; 225:587-591. doi: [10.3233/978-1-61499-658-3-587](https://doi.org/10.3233/978-1-61499-658-3-587)
- Peltonen LM, **Alhuwail D**, Ali S, Badger MK, Eler GJ, Georgsson M, Islam T, Jeon E, Jung H, Kuo CH, Lewis A, Pruinelli L, Ronquillo C, Sarmiento RF, Sommer J, Tayaben JL, Topaz M. Current Trends in Nursing Informatics: Results of an International Survey. *Studies in Health Technology and Informatics*. 2016; 225:938-9. doi: [10.3233/978-1-61499-658-3-938](https://doi.org/10.3233/978-1-61499-658-3-938)
- Peltonen LM, Topaz M, Ronquillo C, Pruinelli L, Sarmiento RF, Badger MK, Ali S, Lewis A, Georgsson M, Jeon E, Tayaben JL, Kuo CH, Islam T, Sommer J, Jung H, Eler GJ, **Alhuwail D**. Nursing Informatics Research Priorities for the Future: Recommendations from an International Survey. *Studies in Health Technology and Informatics*. 2016; 225:222-226. doi: [10.3233/978-1-61499-658-3-222](https://doi.org/10.3233/978-1-61499-658-3-222)
- Topaz M, Ronquillo C, Peltonen LM, Pruinelli L, Sarmiento RF, Badger MK, Ali S, Lewis A, Georgsson M, Jeon E, Tayaben JL, Kuo CH, Islam T, Sommer J, Jung H, Eler GJ, **Alhuwail D**. Advancing Nursing Informatics in the Next Decade: Recommendations from an International Survey. *Studies in Health Technology and Informatics*. 2016; 225:123-7. doi: [10.3233/978-1-61499-658-3-123](https://doi.org/10.3233/978-1-61499-658-3-123)
- **Alhuwail D**, Koru G. Leveraging health information technology for fall-risk management in home care: A qualitative exploration of clinicians' perspectives. *Home Healthcare Management and Practice*. 2016; 28(4):241-249. doi: [10.1177/1084822316640266](https://doi.org/10.1177/1084822316640266)
- **Alhuwail D**, Koru G. Identifying home care clinicians' information needs for managing fall risks. *Applied Clinical Informatics*. 2016; 7(2):211-226. doi: [10.4338/ACI-2015-11-RA-0160](https://doi.org/10.4338/ACI-2015-11-RA-0160)
- Koru G, **Alhuwail D**, Topaz M, Norcio A, Mills ME. Investigating the challenges and opportunities in home care to facilitate effective information technology adoption. *Journal of the American Medical Directors Association*. 2016; 17:53-58. doi: [10.1016/j.jamda.2015.10.008](https://doi.org/10.1016/j.jamda.2015.10.008)
- Koru G, **Alhuwail D**, Rosati RJ. Identifying the Key Performance Improvement Domains for home health agencies. *SAGE Open Medicine*. 2015; 3. doi: [10.1177/2050312115621924](https://doi.org/10.1177/2050312115621924)

Peer-Reviewed Proceedings and Scientific Meetings

- Barakati SS, Topaz M, Peltonen LM, Mitchell J, **Alhuwail D**, Risling T, Ronquillo C. Health informatics solutions in response to COVID-19: Preliminary insights from an international survey. In: *EFMI Special Topic Conference 2020*. e-Conference; 2020.
- **Alhuwail D**. Digital Therapeutics and their Potential Role to Empower Patients: Exploring the Frontiers of m-Health and Smartphone Apps in the GCC. In: *First Gulf Health Council Conference – Sustainable Healthcare in the GCC Countries: Challenges and Future Trends*. Kuwait City, Kuwait; 2019.

- **Alhuwail D**, Aljafar E, Abdulsalam Y, Alduaij S . Information Security Behaviors of Healthcare Professionals in Kuwait. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2019.
- **Alhuwail D**, Albaj R, Ahmad F, Aldakheel K. Mental Health Apps: A Systematic Assessment of Anxiety and Depression Arabic Apps. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2019.
- Alibrahim A, Abdulsalam Y, Al Mutawa S, Behbehani H, Al Jenaie S, **Alhuwail D**. Towards Value-Based Health Care – Establishing Pharmacy Department Baseline Costs at Dasman Diabetes Institute. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2019.
- Alibrahim A, Abdulsalam Y, Al Mutawa S, Behbehani H, Al Jenaie S, **Alhuwail D**. Towards Value-Based Health Care – Establishing Pharmacy Department Baseline Costs at Dasman Diabetes Institute. In: *Academy Health Annual Research Meeting 2019*, Washington D.C., USA; 2019.
- **Alhuwail D**. Illuminating Healthcare’s ‘Dark Data Islands’: Challenges and Opportunities for Big Data in Kuwait. In: *Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, Engineering, Medicine*. Kuwait City, Kuwait; 2018.
- AlMeraj Z, **Alhuwail D**, Boujarwah F. Evaluation of Nine Hospital Websites in Kuwait According to Accessibility, Content, Presence and Usability. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- **Alhuwail D**, Abdulsalam Y. Seeking Health Information Online in Kuwait: An Exploratory Study. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- Abdulsalam Y, **Alhuwail D**, Schneller E. Adopting Identification Standards in the Medical Devices Supply Chain. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- Boujarwah F, AlMeraj Z, **Alhuwail D**. What Do Users Want? Preliminary Analysis of User Expectations of Hospital Websites in the State of Kuwait. In: *The ACM CHI Conference on Human Factors in Computing Systems – W27: Exploring Participatory Design Methods to Engage with Arab Communities*. Montréal, Canada; 2018.
- **Alhuwail D**, Norcio AF. Updates on Information Technology and Systems in the Fire Service. In: *Fifth International Fire and Safety Conference and Exhibition*. Kuwait City, Kuwait; 2018.
- **Alhuwail D**, Wake D, Barnes R, Alkandari H, Badawi D, Shaltout A. Reporting on the Use of mHealth and Novel Health IT tools for the Development of the Childhood Onset Diabetes eRegistry (CODeR) in the State of Kuwait. In: *Second International Computing Sciences and Engineering Conference*. Kuwait City, Kuwait; 2018.
- Boujarwah F, **Alhuwail D**, AlMeraj Z. Cross-Sectional Evaluation of Hospital Websites in Kuwait. In: *Second International Computing Sciences and Engineering Conference*. Kuwait City, Kuwait; 2018.
- Alsharrah S, **Alhuwail D**, Aljalahma H, Coffee N, Daniel M, Alozairi E, Alrefaei F. Use of Geographic Information Systems (GIS) to map diabetic patients in the State of Kuwait – A pilot study. In: *Second International Computing Sciences and Engineering Conference*. Kuwait City, Kuwait; 2018.
- Alsharrah S, **Alhuwail D**, Aljalahma H, Coffee N, Daniel M, Alozairi E, Alrefaei F. Dasman Diabetes Institute-Canberra GeoHealth Initiative: Using a spatial lens to understand diabetes in relation to social, built and physical environmental factors shaping risks and outcomes. In: *The 1st Annual Saudi Community Health Symposium (Women’s Health and Wellbeing)*. King Saud University. Riyadh, Saudi Arabia; 2017.
- **Alhuwail D**. Leveraging Health Informatics for Better Health Care: Challenges and Opportunities in the State of Kuwait. In: *International Kuwait Health Information Conference*. Kuwait City, Kuwait; 2017.
- **Alhuwail D**, Aljalahma H, Abduo H, Abu-Ghefreh A, Halawa N, Dawwas B, Alqabandi N, Al Qersh M. Assessing the Usage Patterns of a Diabetes Education Website Available for Arabic Speakers: Insights and Recommendations. In: *International Diabetes Federation Congress*. Abu Dhabi, UAE; 2017.

- **Alhuwail D.** Utilizing Information Technology to Improve Patient Safety while Engaging Patients in Care: Opportunities for the State of Kuwait. In: *Kuwait Conference on Quality in Healthcare*. Kuwait City, Kuwait; 2017.
- **Alhuwail D,** Koru G. Challenges and Opportunities of Leveraging Exergames at Home for Diabetes Management: An Exploratory Study from Kuwait. In: *H3IT 2017: Home Healthcare and Hospice Information Technology Conference*. Washington - D.C.; 2017.
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- **Alhuwail D,** Koru G. Investigating how health IT solutions responded to information needs for fall-risk management: A case study. In: *American Medical Informatics Association Annual Conference*. Chicago, IL; 2016.
- Jademi O, Uchidiuno U, **Alhuwail D,** Koru G. Informing the requirements for IT-based fall risk management solutions in home health care. In: *American Medical Informatics Association Annual Conference*. Chicago, IL; 2016.
- **Alhuwail D,** Koru G. Identifying home care clinicians' information needs to achieve better care coordination in fall risk management. In: *Summer Institute in Nursing Informatics*. Baltimore, MD; 2016.
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- *Best Poster Award Finalist* –**Alhuwail D,** Koru G. Identifying home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates: Secondary data analysis. In: *American Medical Informatics Association Annual Conference*. San Francisco, CA; 2015.
- **Alhuwail D,** Koru G. Identifying home care providers' information needs for managing and reducing fall risks. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, **Alhuwail D,** Rosati RJ. Informing health IT adoption strategies in home care through identifying Key Performance Improvement Domains for home health agencies. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, Parameshwarappa P, **Alhuwail D.** Leveraging public data to investigate home care quality in urban and rural America. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, Parameshwarappa P, **Alhuwail D.** Identifying home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates: Secondary data analysis. In: *The 6th Annual Workshop on Health IT and Economics*. Washington - D.C.; 2015.
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- **Alhuwail D,** Norcio AF. Information technology and systems in the fire service: A literature review. In: *International Conference on Computer Sciences and Engineering*. Kuwait City, Kuwait; 2015.

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- **Alhuwail D**, Barnes R. Diabetes care in the age of informatics: Kuwait-Scotland Health Innovation Network. In: *Second Kuwait Conference on e-Services and e-Systems*. Kuwait City, Kuwait; 2011.
- **Alhuwail D**. Review of handheld applications for healthcare. In: *First Kuwait Conference on e-Services and e-Systems*. Kuwait City, Kuwait; 2009.

Invited Talks and Presentations

- **Alhuwail D**. Translating Policy to Practice in Telehealth: Lessons from Global Implementation Experiences. In: *Telemedicon 2020*. Virtually, Chennai, India; 2020.
- **Alhuwail D**. Volunteering Inspiration. In: *KAFO 4th Annual Conference*. Virtually, Kuwait City, Kuwait; 2020.
- **Alhuwail D**. Telehealth Masterclass. In: *HIMSS Middle East Conference*. Virtually, Riyadh, Saudi Arabia; 2020.
- **Alhuwail D**. The Role of Data Science in the COVID-19 Pandemic. In: *KFAS Inspo Talks, Kuwait Foundation for the Advancement of Sciences*. Virtually, Kuwait City, Kuwait; 2020.
- **Alhuwail D**. Ethical and Privacy Considerations for Digital Interventions During Health Crisis: Recommendations and Lessons Learned. In: *Cybersecurity Education and Research Conference*. Virtually, Kuwait City, Kuwait; 2020.
- **Alhuwail D**. Fighting the Pandemic: A GCC Digital Outlook – Public Health Informatics Forum. In: *GCC eHealth Workforce Development Conference 2020*. Virtually, Dubai; UAE 2020.
- **Alhuwail D**. The HIE'Leap of Faith: Lessons to learn today from the Pioneers. In: *GCC eHealth Workforce Development Conference 2020*. Virtually, Dubai; UAE 2020.

- **Alhuwail D.** Using Geospatial Data for Epidemic Insights in Kuwait. In: *Digital Health Strategies to Control COVID-19 – Johns Hopkins Bloomberg School of Public Health*. Virtually, Baltimore, MD, USA; 2020.
- **Alhuwail D.** Digital Systems and Services in the times of COVID-19. In: *Science and Technology Community Meetup – KAFO*. Virtually, Kuwait; 2020.
- **Alhuwail D.** Reaching Consumers Digitally: Opportunities for GCC Healthcare Systems. In: *International Symposium for Telemedicine and Artificial Intelligence in Medicine*. Muscat, Oman; 2020.
- **Alhuwail D.** The Role of Youth in Volunteering and Global Citizenship. In: *Ban Ki-moon Centre for Global Citizens*. Kuwait City, Kuwait; 2019.
- **Alhuwail D.** Health Informatics ... Are you ready for the Digital Health Wave? In: *Fifth Annual Conference of the Kuwait Institute for Medical Specialization Current Advances in Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2019.
- **Alhuwail D.** Design Thinking for Healthcare Professionals. In: *Kuwait Dental Administration Conference and Exhibition (KDAC2019)*. Kuwait City, Kuwait; 2019.
- **Alhuwail D.** Trailblazing the Health Informatics Landscape: Research from Kuwait. In: *Hamad Bin Khalifa University CSE ICT seminars*. Doha, Qatar; 2018.
- **Alhuwail D.** Illuminating Healthcare's Dark Data Islands: Challenges and Opportunities for Big Data in Kuwait. In: *6th Arab-American Frontiers of Science, Engineering, and Medicine Symposium*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** FAIR Digital Practices: Guiding Principles for Data Science. In: *ISC Monthly Seminar Series*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Design Thinking: App Development for Frail Patients. In: *The University of Dundee Medical School Graduate Program – Dasman Diabetes Institute*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Diagnosing Kuwait's Digital Health Maturity: An Overview of Informatics Research in Context. In: *Ninewells Hospital and the University of Dundee Medical School*. Dundee, United Kingdom; 2018.
- **Alhuwail D.** Kuwait's Digital Health Maturity: Challenges, Opportunities, and Policy Recommendations. In: *Middle East Centre, London School of Economics and Political Sciences*. London, United Kingdom; 2018.
- **Alhuwail D.** Cybersecurity practices by organizations and professionals in healthcare. In: *5th GCC Healthcare Innovation Congress*. Dubai, UAE; 2018.
- **Alhuwail D.** Introduction to Academic Research Methods. In: *ClickIT Student Club Workshop Series*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Information Management and Medical Informatics. In: *Kuwait Medica 2018 – Biomedical Engineering Workshop*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Applying GIS for Water Well Mapping in Sub-Saharan Africa: Suqya's Story. In: *Tenth Kuwait GIS User Conference*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Health Informatics Trends: Essential Knowledge for Clinicians in 21st Century Medicine. In: *Fourth Annual Conference of the Kuwait Institute for Medical Specialization Current Advances in Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Health Informatics: An Overview of the Challenges and Opportunities in the State of Kuwait. In: *Military Medical Complex – North, Medical Services Authority, Kuwait Army*. Jahra, Kuwait; 2017.
- **Alhuwail D.** Cybersecurity Threats in Healthcare: Recommendations for Kuwait's Leaders. In: *The 9th Kuwait Info Security Conference*. Kuwait City, Kuwait; 2017.
- **Alhuwail D.** Exploring Research Collaboration Opportunities in the College of Computing Sciences and Engineering. In: *Department of Computer Science Seminar Series*. Kuwait City, Kuwait; 2017.

- **Alhuwail D.** Health Informatics: Applications and Opportunities for Kuwait’s Healthcare System. In: *ISC Monthly Seminar Series*. Kuwait City, Kuwait; 2016.
- **Alhuwail D.** Clinical and Health Informatics: A Roadmap for Kuwait. In: *Inaugural Scientific Health Informatics Symposium – Kuwait Health Informatics Network*. Kuwait City, Kuwait; 2015.
- **Alhuwail D.** Clinical and Health Informatics: Aspirations & Applications for Health care . In: *Sirdab Lab*. Kuwait City, Kuwait; 2014.

Newspaper Articles

Articles published in AlQabas Newspaper in the Arabic Language

- **Alhuwail D.** Digital Legislative Demands. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Cybersecurity and the Pandemic. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** A Vaccine for Digital Abuse?. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** The Role of Society and Interdisciplinary Collaboration. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Abdullah Alsalem University .. Nontraditional University. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Restricted Education. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Open Data ... A Weapon to Protect the Public Interest. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Violating Privacy in the Name of Democracy. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** The Dream of Endowment Universities. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Consult for Success. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Consult for Success. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Programming in the Young Age. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Don’t Leave Anyone Between Zero and One. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Data Science and the National Strategy. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** The New Oil and the Law to Explore for it. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Digitizing Bureaucracy. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Ethics of Digital Contact Tracing. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** The Numbers Pandemic. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Working Remotely. In:*AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** The Infectious Virus of Misinformation. In: *AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Fighting COVID19 Digitally. In: *AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** An attack every 39 seconds. In: *AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Our Health on a Map. In: *AlQabas Newspaper*. Kuwait; 2020.
- **Alhuwail D.** Open Science and Knowledge for All. In: *AlQabas Newspaper*. Kuwait; 2019.
- **Alhuwail D.** Let Us Settle it: 16 or 1. In: *AlQabas Newspaper*. Kuwait; 2019.
- **Alhuwail D.** Towards Learning Health Systems. In: *AlQabas Newspaper*. Kuwait; 2019.
- **Alhuwail D.** Live Medical Care – Telemedicine. In: *AlQabas Newspaper*. Kuwait; 2019.
- **Alhuwail D.** Digitizing Kuwait 2035. In: *AlQabas Newspaper*. Kuwait; 2019.

- Alhuwail D. Are We Ready for a Knowledge-based Economy. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. Technology Addiction. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. The Flame of Informatics. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. More Intelligent Healthcare ... Artificially. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. Your Electronic Health Records in your Pocket. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. Virtual Reality in Amiri Hospital. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. Blockchain and its Healthcare Applications. In: *AlQabas Newspaper*. Kuwait; 2018.
- Alhuwail D. The Knowledge Economy Revolution. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. Free Information from their Captivity. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. 5-Star Patient Experience. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. GIS Applications and Expectations. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. Combating Cybercrime. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. eGovernment. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. The Internet-of-Things in Healthcare. In: *AlQabas Newspaper*. Kuwait; 2017.
- Alhuwail D. Health Information Exchange. In: *AlQabas Newspaper*. Kuwait; 2016.
- Alhuwail D. Health Informatics: Introduction and Definition. In: *AlQabas Newspaper*. Kuwait; 2016.

Courses Taught

Kuwait University

GRADUATE

- Fall 2020/2021 – MSIT 505 – Research Methodology and Seminar.
- Spring 2018/2019 – MSCIS 580 – Health Informatics.

UNDERGRADUATE

- Spring 2018/2019 – CLS 130 – Ethics and Practices.
- Fall 2018/2019 – ISC 475 – Geographical Information Systems.
- Fall 2018/2019 – ETM 450 – Application of Information Systems in Environmental Technology.
- Spring 2017/2018 – ISC 380 – Introduction to Management Information Systems.
- Spring 2017/2018 – ETM 450 – Application of Information Systems in Environmental Technology.
- Fall 2017/2018 – ISC 100 – Fundamentals of Personal Computers.
- Fall 2017/2018 – ISC 380 – Introduction to Management Information Systems.
- Summer 2016/2017 – CLS 130 – Ethics and Practices.
- Spring 2016/2017 – ETM 450 – Application of Information Systems in Environmental Technology.
- Spring 2016/2017 – ISC 380 – Introduction to Management Information Systems.
- Fall 2016/2017 – CLS 130 – Ethics and Practices.
- Fall 2016/2017 – ISC 101 – Introduction to Information Systems.

University of Dundee

- Fall 2017/2018 – GM51070 – Health Informatics Foundations.