

**Dr. Ali Jasem Buabbas**

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**Professional and Academic Work**

Dr. Ali Jasem Buabbas is an academic and researcher specializing in medical informatics and telemedicine. He serves as a faculty member in the Department of Community Medicine and Behavioral Sciences at Kuwait University's Faculty of Medicine.

He earned both his Master's and Ph.D. degrees from the University of London in the United Kingdom, with a specialization in Medical Informatics and Telemedicine. His academic and professional interests lie at the intersection of emerging technologies and healthcare, with a particular focus on the integration of artificial intelligence (AI) systems to enhance clinical decision-making, patient outcomes, and medical education.

**Teaching and Academic Roles**

- Lecturer and course coordinator for undergraduate and postgraduate modules in:
  - Medical Informatics
  - Evidence-Based Practice
  - Community Medicine
  - Telemedicine and Digital Health Applications
- Supervisor of student research projects in the areas of health technologies, AI in medicine, and public health informatics

**Research Interests**

- Artificial Intelligence Systems in Healthcare
- Telemedicine and Remote Patient Care
- Digital Health Transformation and Innovation
- Electronic Health Records (EHR) and Clinical Decision Support Systems
- AI in Medical and Dental Education
- Patient Satisfaction and Experience with Telesurgery
- Evidence-Based Practice and Health Informatics Integration

## Publications and Conference Contributions

### Research Publication

1. Bulbanat A, **Buabbas AJ**, Aljassar F, Alqabandi Y, Alzalalah SAY. Use of Artificial Intelligence (AI) as a Diagnostic Modality for Keratoconus: A Comprehensive Meta-Analysis. VSEHJ [Internet]. 2025 Jul. 26 [cited 2025 Aug. 6];4(3):72-80. Available from: <https://e-journal.unair.ac.id/VSEHJ/article/view/63442>
2. Alnaqi A, **Buabbas AJ**, Jafer N, Alawadi A, Alshawaf H. Medical Students' Perceptions of Online Learning During the COVID-19 Pandemic, Kuwait University: A National Survey. Journal of Medical and Pharmaceutical Sciences.; **2024**; DOI: 10.26389/AJSRPA.300324.
3. **Buabbas AJ**, Miskin B, Alnaqi A, Ayed A, Shehab A, Shabbir S, Uddin M. Investigating Students' Perceptions towards Artificial Intelligence in Medical Education. Healthcare. 11. **2023** 1298. 10.3390/healthcare11091298.
4. **Buabbas AJ**, Albahrouh S, Hesham N, Alshawaf H. Telerehabilitation During the COVID-19 Pandemic: Patients' Attitudes and Satisfaction and Physical Therapists' Experiences. Medical Principles and Practice. 31. **2022**. 10.1159/000523775.
5. **Buabbas AJ**, Mohammad T, Ayed AK, Mallah H., Alshawaf H., Khalfan A. Evaluating the success of the tele-pathology system in governmental hospitals in Kuwait: an explanatory sequential mixed methods design. BioMed Central (BMC) Medical Informatics and Decision Making; 21:229. **2021**. United Kingdom
6. **Buabbas AJ**, Hasan H, Buabbas MA. The associations between smart device use and psychological distress among secondary and high school students in Kuwait. PLoS One;16(6): e0251479. **2021**. United States
7. **Buabbas A**, Hasan H, Shehab AA. Parents' attitudes toward school students' overuse of smartphones and its detrimental health impacts: Qualitative Study. Journal Medical Internet Research Pediatrics & Parenting; 20;4(2): e24196. **2021**. Canada
8. **Buabbas AJ**, Al-Mass MA, Al-Tawari BA, Buabbas MA. The detrimental impacts of smart technology device overuse among school students in Kuwait: a cross-sectional survey. BioMed Central (BMC) Pediatrics. **2020**;20(1):524. 2020. United Kingdom
9. **Buabbas AJ**, Aldousari S, Ayed AK, Safar M, Alkandari O. Usefulness of smartphone use among surgeons in clinical practice during the pandemic of COVID-19: a cross-sectional study. BioMed Central (BMC) Medical Informatics and Decision Making;21(1):198. **2021**. United Kingdom

10. Albahrouh SI, **Buabbas AJ**. Physiotherapists' perceptions of and willingness to use telerehabilitation in Kuwait during the COVID-19 pandemic. *BioMed Central (BMC) Medical Informatics and Decision Making*, 21(1):122. **2021**. United Kingdom.
11. **Buabbas AJ**, Al-Mass MA, Al-Tawari BA, Buabbas MA. The detrimental impacts of smart technology device overuse among school students in Kuwait: a cross-sectional survey. *BioMed Central (BMC) Pediatrics*. **2020**;20(1):524. 2020. United Kingdom
12. Aldousari SA, **Buabbas AJ**, Yaiesh SM, Alyousef RJ, Alenezi AN. Multiple perceptions of robotic-assisted surgery among surgeons and patients: a cross-sectional study. *Journal of Robotic Surgery*. August 10. Electronic publication ahead of print. **2020**.United Kingdom
13. **Buabbas AJ**, Aldousari S, Shehab AA. An exploratory study of public' awareness about robotics-assisted surgery in Kuwait. *Biomed Central (BMC) Medical Informatics and Decision Making*, 20(1):140. **2020**. United Kingdom.
14. **Buabbas AJ**, Sharma P, Al-Abdulrazaq A. Shehab H. Smartphone use by government dermatology practitioners in Kuwait: a self-reported questionnaire based cross-sectional study. *BioMed Central (BMC) Medical Informatics and Decision Making*; 19, 155. **2019**. United Kingdom.
15. Alrowayeh HN, **Buabbas AJ**, Alshatti TA, AlSaleh FM, Abulhasan JF. Evidence-based physical therapy practice in the State of Kuwait: A survey of attitudes, beliefs, knowledge, skills, and barriers. *Journal of Medical Internet Research Medical Education*. 7;5(1):e12795. **2019**. Canada
16. Ashkanani H, Asery R, Mubarak Sh, **Buabbas AJ**, Almajran A, Bokubar F, Al-Ali N. (2019). Web-Based Health Information Seeking Among Students at Kuwait University. " *JMIR Formative Research*, vol. 3, no. 4, p. e14327, Oct. **2019**, doi: 10.2196/14327.
17. **Buabbas AJ**, Alsaleh FM, Al-Shawaf H. Abdulla A, Almajran A. The readiness of hospital pharmacists in Kuwait to practise evidence-based medicine: a cross-sectional study. *BioMed Central (BMC) Medical Informatics and Decision Making*, **18**, 4. **2018**. United Kingdom.
18. **Buabbas AJ**, Al-Shamali DA, Sharma P, Haidar S, Al-Shawaf H. Users' Perspectives on a Picture Archiving and Communication System (PACS): An In-Depth Study in a Teaching Hospital in Kuwait. *JMIR Medical Informatics*;4(2):e21. **2016**.
19. **Buabbas AJ**, Al-Shawaf HM, Almajran AA. Health Sciences Students' Self-Assessment of Information and Communication Technology Skills and Attitude Toward e-Learning. *JMIR Medical Education*;2(1):e9. **2016**.
20. **Buabbas A**, Almajran A. Al-Shawaf H, Al-Hilal M. Assessment of Professionals' Literacy in Information and Communication Technology at the

Administration of Food and Nutrition in Kuwait. Journal of Health & Medical Informatics. **2015**. 6. 1-5.

## **Conferences**

### *Conferences Organized*

- The 5<sup>th</sup> Middle East Conference for Health Informatics with Special topic "Interoperability". Health Sciences Centre, Kuwait University, Kuwait, 2016. Role: Co-chairman of the organization Committee.

### *Conferences Attended:*

- 17th International Joint Conference on Health Informatics (Health Info 2024) held in Rome- Italy, February 21 to 23, 2024.
- The 22nd Arab Conference on Modern Methods in Hospital Management under the title (Health Insurance and Universal Health Coverage: Opportunities and Challenges) held during the period (December 18-19, 2023) at the Intercontinental City Stars Hotel in Cairo - Arab Republic of Egypt
- 16<sup>th</sup> European Public Health Conference. Our Food, Our Health, Our Earth : A Sustainable Future for Humanity. CCD, Dublin, Ireland, 8 - 11 November 2023
- Med Info, World Congress of Medical and Health Informatics- Poster Presenter, 26 - 30 Aug 2019, Lyon, France.
- The 5<sup>th</sup> International conference for Medical Informatics and Telemedicine- Invited Speaker, Prague, Czech Republic, Sep. 2017.
- The 5<sup>th</sup> Middle East conference for Health Informatics with Special topic "Interoperability". Co-Chairman, Health Sciences Centre, Kuwait University, Kuwait, 2016.
- The 1<sup>st</sup> conference for Strategic Planning in Health Care, Kuwait, May, 2013.
- The 4<sup>th</sup> Middle East conference for Health Informatics- Invited Speaker, Dubai, 2013.

- The 2<sup>nd</sup> Conference for Imaging Informatics, Kuwait University, 2012.
- The 15<sup>th</sup> Internal Symposium of Health Information Management Research (ISHIMR 2011)-Invited Speaker, Zurich, Switzerland, 2011.
- The 2<sup>nd</sup> Conference for e-system and e-services, Kuwait University, 2011
- The 3<sup>rd</sup> Conference for Medication Safety, Al-Hashemeya Hall, KW, 2011
- The 1<sup>st</sup> Conference for HIMSS Middle East HealthCare IT & Management Excellence Conference and Exhibition, Bahrain 2009.
- The 2<sup>nd</sup> World Summit on the Information Society, Tunis Dec. 2005.

*Workshops Attended:*

- Evidence-based diagnosis and screening. 1-5 April, 2019. Oxford University, Oxford. UK.
- Evidence-based health care. 4-8 Feb, 2018. Oxford University, Oxford. UK.
- Teaching Evidence-Based Medicine. 12-15 Sep, 2016. Oxford University, Oxford. UK.
- Qualified Persons for Pharmacovigilance. Introductory (March), Intermediate (May), and advanced (September). Dubai 2015, United Arab Emirates.
- Live Simulation and Its role in Teaching and Assessment. 6-9 April, 2014. Faculty of Medicine, Kuwait University. Kuwait
- Strategic Planning in Health Care, May, 2013, Kuwait

**Professional Membership**

- Member of the American Medical Informatics Association (AMIA)
- Member of the American Telemedicine Association (ATA)