

Mahmoud T. Alwidyan

Associate Professor

Department of Allied Medical Sciences
Faculty of Applied Medical Sciences/ Paramedic Program
Jordan University of Science and Technology
P.O.Box: 3030. Irbid 22110, Jordan



Phones: +962-2-7201000 ext.: 26950
Cell phone: +962-770032710

Email : mtalwidyan@just.edu.jo
ORCID : <https://orcid.org/0000-0003-2428-3124>

Education

Degree	Major	University	Year
Ph.D.	Disaster Science and Management program	University of Delaware (UD), Disaster Research Center (DRC), USA	August, 2017
Master	Emergency Health Services	University of Maryland, Baltimore County (UMBC), USA	May, 2014
Master	Adult Acute Care Nursing	Jordan University of Science and Technology (JUST), Jordan	August, 2009
Bachelor	Nursing	Jordan University of Science and Technology (JUST), Jordan	June, 2007
Diploma	Nursing	Nusayba Al Mazinia College of Nursing, Jordan	December, 1997

Experience

Academic Experiences

9/2022 – 9/2023 Head, Department of Allied Medical Sciences, Faculty of Applied Medical Science at Jordan University of Science and Technology (JUST), Irbid, Jordan.

9/2020 – 9/2022 Vice Director, The Consultative Center for Science and Technology, Jordan University of Science and Technology (JUST), Irbid, Jordan.

9/2020 – 9/2022 Acting Head, Department of Linking with Industry, The Consultative Center for Science and Technology, Jordan University of Science and Technology (JUST), Irbid, Jordan.

3/2023 – present Associate professor, Department of Allied Medical Sciences/ paramedic program at Jordan University of Science and Technology (JUST), Irbid, Jordan.

9/2017 – 3/2023 Assistant professor, Department of Allied Medical Sciences/ paramedic program at Jordan University of Science and Technology (JUST), Irbid, Jordan.

7/2015 – 7/2017 Graduate Research Assistant (RA). A project on the impacts of disasters on long-term care facilities. Disaster Research Center (DRC) at the University of Delaware, Delaware, USA.

4/2010 – 8/2012 Full time lecturer, Department of Allied Medical Sciences/ paramedic/ Paramedic Program at Jordan University of Science and Technology, Irbid, Jordan

Professional Experiences

9/2003 – 4/2010 Registered Nurse, Emergency Department at Mo'ath Bin Jabal Hospital, MOH, Jordan.

8/2001 – 8/2003 Registered Nurse, Emergency Department at Tabala Hospital, Bisha, MOH, Kingdom of Saudi Arabia (KSA).

4/1999 – 8/2001 Registered Nurse, Emergency Department at Mo'ath Bin Jabal Hospital, MOH, Jordan.

Teaching Experiences

Courses taught

1.	Basic Management of Medical Emergencies (PARA 233)	Sophomore	50-70
2.	Basic Management of Medical Emergencies Lab (PARA 235)	Sophomore	50-70
3.	Health Assessment (PARA 222)	Sophomore	50-70
4.	Health Assessment (Lab) (PARA 224)	Sophomore	15-20
5.	Pharmacology for Paramedic Students (PARA 305)	Junior	50-70
6.	Pharmacology for Paramedic Students Lab (PARA 307)	Junior	15-20
7.	Paramedic Management of Cardiopulmonary Emergencies(1) (PARA 311)	Junior	50-70
8.	Paramedic Management of Cardiopulmonary Emergencies (1) Lab (PARA 313)	Junior	15-20
9.	Paramedic Management of Cardiopulmonary Emergencies(2) (PARA 316)	Junior	50-70
10.	Paramedic Management of Cardiopulmonary Emergencies (2) Lab (PARA 318)	Junior	15-20
11.	Paramedic Management of Medical Emergencies (PARA 345)	Junior	50-70
12.	Clinical Training(1) (PARA 371)	Junior	50-70

13.	Clinical Training(2) (PARA 372)	Junior	50-70
14.	Ethics in Applied Medical Careers (PARA 391)	Junior	50-70
15.	Paramedic Management of Infectious Toxicological and Environmental Emergencies (PARA 443)	Senior	50-70
16.	EMS and Disaster Management (PARA 451)	Senior	50-70
17.	Emergency Management of Special and Critical Cases (PARA 486)	Senior	50-70
18.	Research Project (LM 493)	Senior	10-15

Advising and Mentoring

Student name	Thesis title	Advisor	Date
Omaymah Gharaybeh	Burnout among Emergency Healthcare Providers in Jordan: Physicians, Nurses, and Paramedics.	Advisor	2020
Mohammad-Noor Quran	Comparison between Two Phonological Awareness Tasks in Arabic.	Examining committee	2019
Maisaa Ababneh	Assessing Handover process between prehospital and hospital healthcare providers: A mixed method study.	Examining committee	2021
Saed Rawashdeh	Virtual reality and live standardized patient drill: Comparison between two triage training methods in terms of triage skills, knowledge, and performance of paramedic students.	Co-advisor	2023
Shahed Foudeh	Jordanian Healthcare Workers' Attitudes Toward Stuttering And People Who Stutter	Co-advisor	2023

Professional development

Date	Activity	Location
Spring 2023 For the second time	The Stevens Initiative Grant for Global Scholars Achieving Career Success. A Virtual Exchange Project for students from JUST and Borough of Manhattan Community College in New York, USA	JUST, Jordan
3/2023	Prehospital Trauma Life Support (PHTLS) course	JUST, Jordan
1/2023	Adult learning, Mentoring, and Coaching. A three-day training course	Amman, Jordan

10/2022	Training of Trainers (ToT) on Crisis and Emergency management as part of the Leadership and Management Capacity Development program for the Public Health Sector	Amman, Jordan
Spring 2022	The Stevens Initiative Grant for Global Scholars Achieving Career Success. A Virtual Exchange Project for students from JUST and Borough of Manhattan Community College in New York, USA	JUST, Jordan
2/2021	Critical Thinking and Creative Thinking workshop	JUST, Irbid, Jordan
1/2018	Teaching Methods and Strategies workshop	JUST, Irbid, Jordan
9/2011	Modern teaching methods workshop	JUST, Irbid, Jordan
8/2013-6/2014	Emergency Medical Technician (EMT-P) paramedic training	Howard Community College, Maryland, USA
7/2013	Critical Care Emergency Medical Transport Program (CCEMT-P). A two-week intensive course.	University of Maryland, Baltimore County (UMBC), Maryland, USA
8/2012 – 5/2013	Emergency Medical Technician (EMT) Certification training	University of Maryland, Baltimore County (UMBC), Maryland, USA
9/2010	Emergency Medical Service (EMS) training. One month field training	Michigan, USA
9/2010	Pre-Hospital Trauma Life Support (PHTLS) course	Michigan, USA
9/2010	Advanced Stroke Life Support (ASLS) course	Michigan, USA
9/2010	Pediatric Education for Pre-hospital Professionals (PEPP) course	Michigan, USA
4/2017	Basic Life Support (BLS), AHA certified course	Delaware, USA
7/2010	Advanced Cardiac Life Support (ACLS), AHA certified course	Amman, Jordan
9/2008 – 1/2009	Hemodialysis training course. Four-month duration at Princes Basma Hospital, MOH.	Irbid, Jordan
10/2003 – 1/2004	Course of Emergency Nursing Care, three-month duration (9 credit hours), at Albashir Hospital, MOH.	Amman, Jordan

Committees and Professional Activities

Faculty of Applied Medical Sciences Committee

1. Member, Faculty research committee, 9/2020-present
2. Member, quality assurance committee, 9/2018-present
3. Member, the strategic planning committee, 9/2018- present
4. Member, scientific and conferences committee, 9/2018 – present
5. Member, faculty council, 9/2019 – 9/2020

Department of Allied Medical Sciences Committee

1. Chairman, graduate studies committee, 9/2022 – present
2. Chairman, Students affairs committee, 9/2018 – present
3. Chairman, Community service committee, 9/2018 – present
4. Member, courses approval and equalization committee, 9/2018 – present
5. Member, programs curricula committee, 9/2018 – present
6. Member, Department research committee 9/2019 – present
7. Member, media committee 9/2018-9/2019
8. Member, internship committee 9/2018- present
9. Member, department council, 9/2017 - present

Community service activities

- Coordinator, Faculty's free medical day, 12/2018 Alkharaj school, Irbid, Jordan
- Co-organizer, International cardiopulmonary resuscitation Day, JUST, October 2018
- Co-organizer, International cardiopulmonary resuscitation Day, JUST, October 2017
- Trainor, Risk management workshop, 3/2019. Nursing Council, Mafraq, Jordan
- Trainor, Risk management for nurses, workshop, 3/2019. Badea' Hospital, Irbid, Jordan
- Trainor, Disaster management workshop, 4/2019. Princes Badea' Hospital, Irbid, Jordan
- Trainor, Risk management workshop, 8/2019. Princes Basma Hospital, Irbid, Jordan
- Trainor, International Trauma Life Support workshop, 10/2019. Nursing council, Irbid, Jordan

Research interest and Activities

Current areas of research interests

- Healthcare workers during pandemic disasters
- Emergency Medical Services (EMS) role in disasters
- Public perception and behavior toward emergency ambulances
- Cardiopulmonary resuscitation knowledge, attitude, and practice

Peer-reviewed Publications

1. **Alwidyan, M. T.**, Alkhatib, Z. I., Alrawashdeh, A., Oteir, A. O., Khasawneh, E. A., Alqudah, Z., ... & Abukheat, Y. (2023). Knowledge and willingness of schoolteachers in Jordan to perform CPR: a cross-sectional study. *BMJ open*, 13(8), e073080. **(Scopus Q1)**
2. **Alwidyan, M. T.**, Oteir, A. O., Mohammad, A. A., & Al-Sheyab, N. A. (2022). Duty to Work During the COVID-19 Pandemic: A Cross-Sectional Study of Perceptions of Health Care Providers in Jordan. *Journal of Emergency Nursing*, 48(5), 589-602. **(Scopus Q1)**

3. Nazzal, M. S., Oteir, A. O., Ala'a, F. J., **Alwidyan, M. T.**, & Raffee, L. (2022). Lived experience of Jordanian front-line healthcare workers amid the COVID-19 pandemic: a qualitative study. *BMJ open*, 12(8), e057739. **(Scopus Q1)**
4. **Alwidyan, M. T.**; Oteir, A. O.; Ahmad A.; Ghaidaa M. M.; Williams, B. (2022). Road user perceptions of appropriateness of ambulance lights and sirens use in developing countries. *International Emergency Nursing*. **(Scopus Q1)**
5. Oteir, A. O., Nazzal, M. S., Ala'a, F. J., **Alwidyan, M. T.**, & Raffee, L. A. (2022). Depression, anxiety and insomnia among frontline healthcare workers amid the coronavirus pandemic (COVID-19) in Jordan: a cross-sectional study. *BMJ open*, 12(1), e050078. <http://dx.doi.org/10.1136/bmjopen-2021-050078>. **(Scopus Q1)**
6. **Alwidyan, M.**, Oteir, A., Mohammad, A., & Williams, B. (2021). Are healthcare professionals in Jordan willing to work and provide care for COVID-19 patients?. *Australasian Journal of Paramedicine*, 18. <https://doi.org/10.33151/ajp.18.924>. **(Scopus Q1)**
7. Oteir, A., Kanaan, S., **Alwidyan, M.**, Almhdawi, K., Williams, B. (2020) Validity and reliability of a cardiopulmonary resuscitation attitudes questionnaire among allied health profession students. *Open Access Emergency Medicine*. <http://doi.org/10.2147/OAEM.S291904>. **(Scopus Q2)**
8. Oteir, A., Almhdawi, K., Kanaan, S., **Alwidyan, M.**, Williams, B. (2020) Attitudes towards CPR among allied health students in Jordan: a cross-sectional study. *Australasian Journal of Paramedicine*. <https://doi.org/10.33151/ajp.17.860> **(Scopus Q2)**
9. **Alwidyan, M.**, Oteir, A., & Trainor, J. (2020). Working during Pandemic Disasters: Views and Predictors of EMS providers. *Disaster Medicine and Public Health Preparedness*, 1-15. doi:10.1017/dmp.2020.131. **(Scopus Q3, IF: 1.385)**
10. Ashour, A., Al-Rawashdeh, S., **Alwidyan, M.**, Al-Smadi, A., & Alshraifeen, A. (2020). Perceived Learning Needs of Patients with Heart Failure in Jordan: Perspectives of Patients, Caregivers, and Nurses: A Cross-Sectional Survey. *Journal of Cardiovascular Nursing*, 35(3), 273-279. doi: 10.1097/JCN.0000000000000681 **(Scopus Q1, IF:2.083)**
11. **Alwidyan, M. T.**, Trainor, J. E., & Bissell, R. A. (2020). Responding to natural disasters vs. disease outbreaks: Do emergency medical service providers have different views?. *International journal of disaster risk reduction*, 44, 101440. **(Scopus Q1, IF: 4.320)**
12. Oteir, A. O., Almhdawi, K. A., Kanaan, S. F., **Alwidyan, M. T.**, & Williams, B. (2019). Cardiopulmonary resuscitation level of knowledge among allied health university students in Jordan: a cross-sectional study. *BMJ open*, 9(11), e031725. doi:10.1136/bmjopen-2019-031725. **(Scopus Q1, IF: 2.692)**
13. **Alwidyan, M. T.** (2017). *REPORTING FOR DUTY DURING DISEASE OUTBREAKS: THE VIEWS OF EMS PROVIDERS* (Doctoral dissertation, University of Delaware).
14. **Alwidyan M.T.** (2016). Reporting for Duty during Disease Outbreaks: The Views of Emergency Medical Service Providers. *Natural Hazards Observer*, 8. <https://hazards.colorado.edu/article/reporting-for-duty-during-disease-outbreaks-the-views-of-emergency-medical-service-providers>

Ongoing research projects/submitted manuscript

1. "Giving right of way to emergency ambulances: Attitudes and behaviors of road users in developing countries". (PI, funded, ongoing)
2. "Burnout among Healthcare Providers in Jordan: Physicians, Nurses, and Paramedics". (PI, funded, ongoing)
3. "Readiness for Self-Directed Learning among Paramedic Students in Jordan: A Multi-Institutional Study". (PI, unfunded, ongoing)

Active Peer reviewing in the following journals:

1. Australasian Journal of Paramedicine
2. BMJ Open
3. Disaster medicine and Public Health Preparedness
4. Health Security Journal
5. International Journal of Disaster Risk Reduction
6. Journal of Contingencies and Crisis Management

Conferences

3/2023	The 5 th JUST-Paramedic International Conference	JUST, Jordan
11/2022	The 1 st Jordanian International Emergency Medicine Conference	Amman, Jordan
10/ 2019	9 th Jordanian Conference on Scientific Research. Disaster Management Domain.	Amman, Jordan
10/2019	2 nd Global Summit on Occupational Health and Safety	Dubai, UAE
11/2018	The 4 th Jordanian International Paramedic Conference (JPIC 2018): Changes and Challenges	Irbid, Jordan
4/2018	1 st International Medical Emergencies Conference (IMEC).	Amman, Jordan
11/2017	The 3 rd Jordanian International Paramedic Conference (JPIC 2017): Professionalism and Research.	Irbid, Jordan
7/2016	41 st Annual Natural Hazards Research and Applications Workshop.	Colorado, USA

Expert Consulting:

Date	Consultation
5/2023 – 7/2023	Consultant to the USAID for the "Leadership and Management Capacity Development Training for the Health Centers Directors" as part of the USAID Health Services Quality Accelerator Activity. Consultation as a Trainer for hospitals' managers and administrators on the Emergency and Crisis management .

10/2022-present	Consultant to the USAID for the Leadership and Management Capacity Development program for the Public Health Sector. Consultation as a Trainer for the Health Centers Directors on the Emergency and Crisis management .
7.2022	Expert consultation to discuss the draft of a country practical guide for Health Emergencies Operational Readiness for the Eastern Mediterranean Region
10.2021	Consultant to the Health Care Accreditation Council (HCAC) in collaboration with the WHO and USAID for training of AlBashir Hospitals top management on Building Capacity for Resilient Hospitals . Five training days
3.2021	WHO/EMRO consultation. A two-day expert consultation to review and discuss the proposed framework for pre-hospital care in EMR counties .
5.2020	Consultant to the Health Care Accreditation Council (HCAC) for training on Disaster Preparedness for the HealthCare facilities in Healthcare Executive Leadership Certification Course (HCEL) . Two training days
12.2019	Consultant to the World Health Organization (WHO) for Training of Trainers (ToT) on Hospital Emergency and Disaster Risk Management for hospital managers in Yemen. Six training days

Memberships and Awards/ Scholarships

Membership

1998 – present	Jordan Nursing and Midwife Council (JNMC).	Irbid, Jordan
2004 – present	Jordan Nursing Council (JNC).	Amman, Jordan
2014 - 2017	International Association of Emergency Managers (IAEM). Student chapter	Delaware, USA
2014 - 2017	Delaware Medical Reserve Corp (DMRC)	Delaware, USA

Awards/ Scholarships

- JUST PhD scholarship (2014 – 2017)
- JUST master's degree scholarship (2012 – 2014)
- Graduate Research assistant scholarship, University of Delaware, Delaware, USA
- Ranked first among master students in the Adult Acute Care Nursing program. 2007 – 2009. JUST, Jordan

Professional websites

Official personal webpage (JUST)	https://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=mtalwidyan
LinkedIn	https://www.linkedin.com/in/mahmoud-alwidyan-a46b9a88/
Research Gate	https://www.researchgate.net/profile/Mahmoud-Alwidyan

Google Scholar https://scholar.google.com/citations?user=rmb_CXQAAAAJ&hl=en
ORCID <https://orcid.org/0000-0003-2428-3124>

Last edit: November/2023