

Khawla Mohammad Abu Hammour Ph.D.

Assistant professor of clinical pharmacy and therapeutics
Faculty of Pharmacy, University of Jordan
Amman, Jordan

Effective date: November, 2020

PERSONAL INFORMATION

Name: Khawla Mohammad Abu Hammour
Date of Birth: Dec 15th, 1971 (Amman, Jordan)
Nationality: Jordanian
Marital Status: Married
Languages: Arabic (Native) English
(Fluent)
Current Address: Department of Biopharmaceutics and Clinical
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EDUCATION

2009-2012 Ph.D. degree in clinical Pharmacy and therapeutics
College of Medicine, Queens University, Belfast, UK.
2005-2007 Master Degree in Clinical Pharmacy
School of Pharmacy, University of Jordan, Amman,
Jordan.
GPA 3.94/4.0

Research topic:

A prospective randomized controlled trial to investigate the impact of pharmaceutical care on reducing drug related problems in hospitalized patients

1989-1994 B.Sc. Pharmacy
School of Pharmacy, University of Jordan, Amman, Jordan.

TRAINING AND WORKING EXPERIENCE

2019-current	Associate professor, Department of Biopharmaceutics and Clinical pharmacy, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
2016-2019	Assistant professor, Department of Biopharmaceutics and Clinical pharmacy, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
Feb-2015-May 2016	Lecturer (Department of Biopharmaceutics and Clinical Pharmacy. Faculty of Pharmacy/The University of Jordan
2009-2012	Demonstrator at the Faculty of Pharmacy / Queen's University of Belfast Demonstrating various courses related to pharmacokinetics and aseptic techniques to undergraduate students
2004-2009 2014-current	Director of Pharmacy Department / Jordan University Hospital
Sep-2016	Head of pharmaceutical care unit /Jordan University hospital 2016
Feb-2013-current	Clinical Pharmacy and Pharmacotherapy consultant / University of Jordan, Jordan University Hospital.
2003-2004	Pharmacist in-Charge Narcotic pharmacy /Jordan University Hospital
2002-2003	Pharmacist in-Charge Outpatient pharmacy /Jordan University Hospital
1997-2002	Pharmacist in-Charge Inpatient pharmacy /Jordan University Hospital
1994-1997	Researcher/ Research and Development department / Jordanian Pharmaceutical Company

Specialized training and certificates

- 1995 □ Attending Basic good manufacturing practice course, Amman

- 1995 □ Attending Product design and human factors workshop, thirty credit hours course, Jordan University

- 2000-2001 □ Attending Pharma Care workshop, Amman, 2000-2001

- 2002 □ Attending and Presenting poster at Royal Pharmaceutical Society conference/Pirmengham 2012

- 2003 □ Attending Quality for better care workshop, Amman, 2003 2004
 □ Attending Multimedia course: The University of Jordan, .

- 2004 □ Attending High Management Course, **sixty credit hours**, Jordan University

- 2005 □ Attending Basic concepts of quality in health care, thirty credit hours course, Amman

- 2006 □ Attending Computer application program workshop, twenty credit hours course, Jordan University

- 2006 □ Attending Communication skills course, Jordan University Hospital

- 2006 □ Attending Internal training program, ISO 9001:2000, internal auditing course, Amman

- 2006 □ Attending Thirty international pharmaceutical conference, Cairo, 2006

- 2006 □ Attending Second hospital clinical pharmacist Symposium, Greece, 2006

- 2006 □ Attending Hospital Pharmacy Workshop/Antimicrobial stewardship/antibiotic misuse/30th/2016/ Amman

- 2007 □ Attending Tailored Leadership program, Amman

- 2007 □ Attending Documentation, policies and procedures in hospitals workshop, Amman, 2007

- 2007 □ Attending Disasters and emergencies course, Amman

- 2008 □ Internet Based Tofel EXAM
- 2008 □ Attending ISO workshop Jordan University Hospital
- 2008 □ Attending Risk management course, Joint Commission International Accreditation, Amman, August, 2008/ certified
- 2008 □ Attending Fourth hospital clinical pharmacist Symposium, Al Fujera, Arab Emirates, 2008
- 2008 □ Attending Dubai international pharmaceutical and technology conference and exhibition, 13.5 credit hours course, Dubai, 2008
- 2009 □ Attending Good Clinical Practice, Workshop, Queen's University Belfast
- 2010 □ Attending Research Methods: workshop Queen's University Belfast
- 2010 □ Attending SPSS workshop: Queen's University Belfast
- 2011
- 2010 □ Attending English language courses Queen's University Belfast
- 2011
- 2012
- 2011 □ Attending and Oral presentation at Health Services and Pharmacy Practice Conference Norich /UK 2011
- 2011 □ Attending and oral presentation at All-Ireland pharma-schools conference/ Dublin 2011
- 2011 □ Attending and Presenting poster at Royal Pharmaceutical Society conference /London 2011
- 2014 □ Attending Evidence, Money & Drug selection –a short course in pharmacoeconomics Amman Jordan (WHO, MeTA, the University of NEWCASTLE AUSTRALIA and King Hussein Cancer Centre).September 20th-25th 2014
- 2014 □ Attending The 29th Scientific Conference for Arab Pharmacists Nov/2014 Lebanon
- 2014 □ Attending Basic life support (BLS) –JUH-21-4-2016
- 2015 □ Attending The first public sector pharmacists conference Amman-

Jordan (12 hours) 11-13th 2015

- 2015 □ Attending The American association of continuing medical education certificate (4.75 hours) Pharmacovigillence challenges in the middle east : a focus on biosimilars Dubai 2015
- 2015 □ Attending The fifth pharmacovigillance conference “excellence in pharmacovigillence“ 16-17 September 2015 Dubai (United Arab Emirates , Ministry of Health).
- 2015 □ Attending ACPE lecture by Prof. Mike Rouse B.Pharm, 14/2/2015
- 2016 □ Attending The 21st Congress of the European Association of Hospital Pharmacists “ Hospital pharmacists taking the lead- partnership and technologies”, from 16 to 18th March in Vienna, Austria.
- 2016 □ Attending on line course (Introduction to the Principles and Practice of Clinical Research/ The National Institutes of Health Clinical Center on October 2015 through April 2016) Certified
- 2016 □ Attending Pharmacoeconomic workshop Bayer. Dubai, 35/11/2016
- 2016 □ Attending and Presenting poster at Applied Science University\ second international medical conference/Amman 2016
- 2016 □ Workshop about pharmaceutical care and medication errors (al Hashymia university) (key speaker) 11/2016
- 2016 □ Organizing Workshop medication management use for physicians, nurses and pharmacy staff at JUH (6 workshops 10-11/2016) organizer and speaker
- 2017 □ Attending Workshop Stakeholders Day 16-3-2017 /school of pharmacy /Jordan university
- 2017 □ Attending Staff development workshop /Jordan University - 11/13/September-2017
- 2017 □ Attending GCP and clinical trial Quality Workshop 29-10-2017
- 2017 □ Attending Smart pharmacy workshop/ Jordanian Pharmacist

Association 8/9-10-2017

- 2017 □ Attending The criteria of the King Abdullah II Awards for Excellence (Excellence Model) workshop 2017-10-26\25
- 2017 □ Attending Conference (Adult Pneumococcal Vaccination Value Summit) 17-19\11\2017 UAE
- 2017 □ Attending and Presenting poster at the 22nd Congress of the *EAHP/Cannes- France 2017*
- 2018 □ Attending Antibiotic resistance and Zoonosis conference 2017\2018
- 2018 □ Attending Dubai international pharmaceutical and technology conference and exhibition, 13.5 credit hours course, Dubai, 2018
- 2018 □ Attending The third symposium on harmonisation of bioequivalence requirements 2nd May 2018 Jordan
- 2018 □ Attending Second Jordan JFDA international congress pharma industry and clinical trials Growth & innovation 10-11 March-2018
- 2018 □ Attending the Joint Commission International Accreditation Update you recently in Dubai 7-9/11/2018
- 2018 □ 2018-6-26-25 دورة تدريبية التخطيط الاستراتيجي – هيئة تطوير القطاع العام مستشفى الجامعة الاردنية
- 2018 □ ISPOR Dubai 2018. 19-20 September 2018 | United Arab Emirates
- 2018 □ GCP course workshop 19-20-10-2018
□ Certificate (pass the course)
- 2018 □ Technology Assessment Health training programme KHCC 16-17/12/2018
- 2018 □ How to increase the citation of your published research –The University of Jordan
- 2018 □ Strategic plan regarding antimicrobial resistance 17.9.2018 JFDA

2018 □ International patient safety goals workshop 12.09.2018

2018 □ **Development and Analysis of Tests Using SPSS**
29.11.2018

2018 □ بناء اساسيات الابداع والريادة لدى الطلبة

AWARDS & SCHOLARSHIPS

1989-1994 Scientific Achievement Scholarship to pursue B.Sc. degree kindly provided Ministry of Higher Education Amman, Jordan

2005-2007 Scientific Achievement Scholarship to pursue master degree kindly provided The University of Jordan, Amman, Jordan.

2009-2012 Scientific Achievement Scholarship to pursue Ph.D. degree kindly provided by The University of Jordan, Amman, Jordan.

September- The King Abdullah II Award for Excellence in Government 2018 Performance and Transparency (Leadership and management)

Recognitions

- Recognition for good Drug Management in the Pharmacy 1999
 - Recognition as active member for good Purchasing Process for drugs in tenders and active negotiator to get the high quality Medication with a best Price 2005
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- Recognition as active member in Hospital quality Project ISO (9001) 2006
 - Recognition as active member for good Purchasing Process for drugs in tenders and active negotiator to get the high quality Medication with a best Price 2007
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- Certificate of appreciation as active member in financial subcommittee (the fifth Arab Conference for antimicrobial agents), Amman-Jordan 2007
- Certificate of appreciation as active member in Higher Committee for the first public sector pharmacists conference Amman-Jordan 11-13th 2015

TEACHING EXPERIENCE

B.sc. in pharmacy and pharmD courses: ▪

Pharmacology I (1203363).

- Pharmacology II (1203364). ▪ Toxicology (1203562)
- Research project (1203610)
- Seminars in Biopharmaceutics and clinical pharmacy

(1203573).

- Pharmacology practical (1203365)
- Field Training II (1210402)
- 203604 Psychiatric & Geriatric Rotation
- Laboratory practical workshops in Applied Clinical Pharmacy in the 2009-2012 –UK
- Laboratory practical in septic Dispensing in the 2009-2012UK

Master in clinical pharmacy courses:

- Master student supervision (as indicated below)

Research interests

Main research interests include: Clinical pharmacy, pharmacy practice, safety and adherence to medications/ compliance with guidelines, medication errors, medication reconciliation. Antimicrobial stewardship program.

PUBLICATIONS

Abu Hammour KA., Abu Farha R., Basheti I. Hospital pharmacy medication reconciliation practice in Jordan: perceptions and barriers . *Journal of Evaluation in Clinical Practice* 22 (2016) 936–941

Abu Hammour KA., Abdel Jalil M. Medication Errors in Voluntary Reported Incidents at a Jordanian Hospital. *Jordan Medical Journal*. (2016) Jun; 50(2):87-96.

Abu Hammour KA., ElDahiyat F., Abu Farha R. Health care professionals knowledge and perception of pharmacovigilance in a tertiary care teaching hospital in Amman, Jordan .*J Eval Clin Pract*. (2017);23: 608–613.

Abdel Jalil M., **Abu Hammour KA.**, Alsous M., Awad W., Hadadden R., Bakri F., Fram K. Surgical site infections following caesarean operations at a Jordanian teaching hospital: Frequency and implicated factors. *Scientific Reports*. (2017) Sep 22;7(1):12210.

Abdel Jalil M., **Abu Hammour KA.**, Alsous M., Hadadden R., Awad W., Bakri F., Fram K. Noncompliance with surgical antimicrobial prophylaxis guidelines: A Jordanian experience in cesarean deliveries. *American Journal of Infection Control*. (2017) Aug 8.

Abu Farha R., **Abu Hammour KA.**, Alefishat E., Alsaeed H., Alma'aiah S. Drive-thru pharmacy service: Assessments of awareness, perception and barriers among pharmacists in Jordan .*Saudi Pharmaceutical Journal* 25 (2017) 1231–1236

Abu Hammour KA., Abu Farha R., Alsous M., Rizik M., Abu Hammour W. Evaluation of risk factors affecting parental knowledge and attitude toward antibiotic use in children with upper respiratory tract infections *European Journal of Integrative Medicine* 17 (2018) 107–111

Abu Farha R., **Abu Hammour KA.**, Rizik M., Aljanabi R., Alsakran L. Effect of educational intervention on healthcare providers knowledge and perception towards pharmacovigilance: A tertiary teaching hospital experience .*Saudi Pharmaceutical Journal* (2018)
<https://doi.org/10.1016/j.jsps.2018.03.002>

Abu Hammour KA., AbdelJalil M., AbuHammour W. An exploration of parents' knowledge, attitudes and practices towards the use of antibiotics in childhood upper respiratory tract infections in a tertiary Jordanian Hospital.

Saudi Pharmaceutical Journal. (2018)
[https://doi.org/10.1016/j.jsps.\(2018\).04.006](https://doi.org/10.1016/j.jsps.(2018).04.006)

Lana K Salameh, Rana K Abu Farha, **Khawla M Abu Hammour**, Iman A Bsheti Impact of pharmacist's directed medication reconciliation on reducing medication discrepancies during transition of care in hospital setting Publication date 2018. Journal of Pharmaceutical Health Services Research

Raja AlQudah¹ and Mohammed Zawiah³ Rana Abu Farha¹ , **Khawla Abu Hammour²** , Sayida Al-Jamei² The prevalence and clinical seriousness of medication discrepancies identified upon hospital admission of pediatric patients 2018/12/14 BMC Health Services Research

MH Abdel Jalil, N Abdullah, MM Alsous, M Saleh, K Abu-Hammour [A systematic review of population pharmacokinetic analyses of digoxin in the paediatric population](#). British Journal of Clinical Pharmacology.2020

K Abu Hammour, R Abu Farha, M Rizik, T Mukattash, M Alnan, A Alkhader, ...[Pharmacy drive-thru service in Jordan: assessing customers' awareness, perceptions and factors affecting the use of this service](#)
Journal of Pharmaceutical Health Services Research 10 (1), 141-147.2019

MHA Jalil, MM Alsous, KA Hammour, MM Saleh, R Mousa, EA Hammad. [Role of pharmacists in COVID-19 disease: a Jordanian perspective](#)
Disaster Medicine and Public Health Preparedness, 1-17.2020

KA Hammour, S Al-Saleh, WA Hammour. [Parental views of antibiotic use in children with upper respiratory tract infections in Dubai](#). European Journal of Integrative Medicine 29, 100917.2019

[Influencing factors of knowledge, attitude, and practice regarding antibiotic use in children with upper respiratory tract infections in Dubai](#).

AHW Al-Saleh S1, Abu Hammour K2
J Eval Clin Pract.2020

RK Abu Farha, TL Mukattash, L Al-Sakran, K Abu Hammour, M Zawiah. [Prevalence and predictors of polypharmacy in Jordanian hospitalised patients: A cross-sectional Study](#) International Journal of Clinical Practice, e13742. 2020

N Asakrh, R Abu Farha, K Abu Hammour, A Al-Hashar
[Evaluation of the completeness of information sources used to prepare the best possible medication histories at a tertiary teaching hospital in Jordan](#)
International Journal of Clinical Practice 74 (10), e13597

[Khawla Abu Hammour 1,*](#), [Esraa AL-Heyari 2](#), [Aya Allan 2](#), [Ann Versporten 3](#), [Herman Goossens 3](#), [Ghayda' Abu Hammour 2](#) and [Qusai Manaseer 4](#)
[Antimicrobial Consumption and Resistance in a Tertiary Care Hospital in Jordan: Results of an Internet-Based Global Point Prevalence Survey](#). *Antibiotics*. 2020

Khawla Abu Hammour, Rana Abu Farha, Mai Rizik, Tareq Mukattash, Murhaf Alnan, Ahmad Alkhader, Rand Aljanabi, Iman Bashedi Pharmacy drive.thru service in Jordan: assessing customers' awareness, perceptions and factors affecting the use of this service 2018 *Journal of Pharmaceutical Health Services Research*

Skills

- Research related** Advanced skills in using statistical packages such as SPSS
Advance skills in drug formulation
Advance skills in clinical trials
- Computer skills** Advanced skills in using Windows 7, Microsoft Office suite and the internet (certificate)
- Languages** Fluent in Arabic, English

Funded research

Surgical site infections: incidence, risk factors, antibiotic appropriateness and additional costs (funded by the university of Jordan by 5,600 JD)

Evaluation of medication prescription patterns during pregnancy at two Jordanian university hospitals (funded by the university of Jordan by 750.0 JD)

Professional membership

2018-current	Member in the National Health Technology assessment committee
2018- current	Member committee of guidelines for biological medications (the University of Jordan)
2018-current	Member of committee (down time plan for digital system)
2018-current	Member National committee for track and trace for medication
2017- current	Member in Course outline and intended learning outcomes (Faculty of Pharmacy/ University of Jordan).
2017-current	Member in the training committee (Faculty of Pharmacy/ University of Jordan).
2016-2017	Member in the "social committee" at the faculty of pharmacy
2014-2015	Member in preparation committee for ACPE Accreditation" at the faculty of pharmacy".
2008	Jordan pharmaceutical association: member of Good clinical Practice committee
2017-2018	Academic supervisor for 4 th year students Academic supervisor for 5 th year students
2016-2018	Coordination of teaching Toxicology, Field Training II
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2007-2009	Member of JFDA The Jordanian National committee for
2014-now	addition and deletion of Medication to RDL list
2015-now	Member of JFDA Drug registration & pricing objections committee
2008-2009, 2014current	Co-organizer/Planner: Jordan University Hospital Executive Committee

2004-2009 2014-now	Member Cardio pulmonary resuscitation committee /JUH
2004-2009 2014-now	Member, infection control committee/ Jordan University Hospital
2006-2009 2014 -now	Quality Assurance Committee/ JUH
2004-2009 2014-now	Chair/ member in Staff annual performance evaluation
2004-2009 2014-now	Chair/ member in drug tenders' technical committees
2004-2009 2014-now	Drug & Therapeutic Committee /Jordan University Hospital
2015-now	Member of various committees within the school of pharmacy such as the training and social committees
1994-now	Jordanian Pharmaceutical Association (JPA)
2006-2008	Member of volunteer committee / JUH
	Member, Bevacizumab Intravitreal injection task force committee
2006	Member IVF committee
2006	Member, epidermal growth factor task force committee
2006	Member, development of family medicine centre committee /Jordan University
2006	Member, antimicrobial stewardship program committee/ JUH
2006-2009 2014-current	Member, Quality improvement and safety issues for emergency department
2007-2009	Member, medication use guidelines for hepatitis B treatment task force committee
2006	Member, narcotic task force committee
2007-2009 2014-current	Facilitator in Jordan University hospital for external auditing committees
2007-2009	Member emergency and disaster plan committee/ JUH

2007-2009 2014- current	Chair, medication use and pharmacy services committee/ JUH
2007	Member, Chemotherapy medication use, task force committee
2007-2009	Chair, Jordan University Hospital Nursery committee
2007-2009 2014-current	Member, strategic plan committee
2007-2009 2014- current	Member, code of ethic and patient family rights committee
2007	Member, muscle relaxant task force committee
2007-2009	Chair, medication use Joint Commission Standard committee
2007	Member, financial auditing, task force committee Member, medical record task force committee
2007 2008	Member, clinical studies center development committee Member, improving safe and rational drug dispensing committee –Jordan Procurement department –Jordan
2008	Member, National committee for developing integrated electronic prescription and dispensing system
2008-2009	Member, executive committee for good pharmacy practice /JPA
2007	member, policy and procedures for availability of life saving medication in all health sectors in Jordan committee
2007-2009 2014-current	Member, drug specifications for tenders
2005-2009 2015-current	Member, Rational Drug Use committees- Jordan
2015-current	Member institutional review board (IRB) committee

2008-2009	Member, Medicines Transparency Alliance committee
2006-2009, 2014current 2016	Member, research committee-JUH Member/ The Committee on Relations Conference/ school of Pharmacy conference
2016-current	Chair of FEME committee (Failure mood and effective analysis /quality Project, JCI
2014-current	Member of Strategic planning- the King Abdullah II Awards for Excellence (Excellence Model)
2014- current	Member of leadership & management - the King Abdullah II Awards for Excellence (Excellence Model)
2017	Member in Health Insurance board / Jordan University
2017	Member Prime minister committee for adjust consumption in health system
2017-current	Member / Comprehensive health insurance national technical committee/ The Ministry of Planning/ Jordan
2016	Chair of Cost effectiveness committee chair (alcohol Use)/ JUH
2017- current	Memebr in the board -Stem Cell Centre

CLINICAL PHARMACEUTICAL RESEARCH

1. Participating in Phase three clinical research (angioedema) 2008
2. Participating in Phase three clinical research for diabetes (Sanofi) 2017-current

Conferences and presentations

2018	<p>Abu Hammour KA., AbdelJalil M., AbuHammour W. <i>an exploration of parents' knowledge, attitudes and practices towards the use of antibiotics in childhood upper respiratory tract infections in a tertiary Jordanian Hospital"</i> the Third International Conference on General Practice & Primary Care which will be held from August 9-17, 2018 in Madrid, Spain. Poster presentation</p>
2018	<p>Khawla abu hammour, Rana Abu Farha, Iman Bashedi Hospital pharmacy medication reconciliation practice in Jordan: perceptions and barriers 11th Royal Medical Services conference Jordan Amman 11/2018 Oral presentation</p>
2017	<p>Hammour KA, Abdel Jalil M. Medication Errors in Voluntary Reported Incidents at a Jordanian Hospital. The 22nd Congress of the European Association of Hospital Pharmacists (EAHP) in Cannes, France (poster presentation).</p>
2016	<p>Hammour KA, Abdel Jalil M. Medication Errors in Voluntary Reported Incidents at a Jordanian Hospital. ASU Congress in Amman, Jordan (poster presentation).</p>
2012	<p>Abu Hammour k., Hughes C., Parsons C., Passmore P. Exploring nursing home managers' attitudes and beliefs towards end of life and palliative care for residents. Royal pharmaceutical Society conference (poster presentation) Birmingham UK</p>
2011	<p>Abu Hammour k., Hughes C., Parsons C., Passmore P. prescription Patterns in recently deceased hospitalized older patients in Northern Ireland Royal pharmaceutical Society conference (poster presentation) London UK</p>
2011	<p>Abu Hammour k., Hughes C., Parsons C., Passmore P. Prescription patterns for patients admitted from care home settings to an acute hospital setting: a cross sectional study. HSRPP conference (oral presentation) Norwich UK</p>
2011	<p>Abu Hammour Kh., Hughes C., Parsons C., Passmore P. Prescription patterns for patients admitted from care home settings to an acute hospital setting: a cross sectional study. All-Ireland pharma-schools conference/ Dublin (oral presentation)</p>

2008	AbuRuz S., Abu Haammour K. pharmaceutical care and drug related problem in internal medicine hospitalized patient. Oral presentation (pharma World Science)
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References

Carol Parsons., Dr
Lecturer

School of Pharmacy - Lecturer
Pharmaceutical Science and Practice
Material and Advanced Technologies for Healthcare
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Mohammad Saleh , Ph.D., Dr Contact
information:

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Faculty of Pharmacy
The University of Jordan,
Amman, 11942, Jordan

- Coordinate and supervise PhD student Wejdan Shroukh in her data collection with Doug Steinke (University of Manchester -2018)
- Internal Examiner master student Eman Nejdawee School of pharmacy the University of Jordan-2018 thesis (Economic impact of selecting oncology drugs for formulary inclusion in Jordan University Hospital(JUH) July 22- Pharmacy -JU

Reviewer:

1. pharmaceutical Journal
2. BMJ Open
3. Journal of Family Medicine