

## Curriculum Vitae

**Dr. Mariam Hantash Abdel Jalil**

### Contact Details

Department of Biopharmaceutics and Clinical Pharmacy  
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### Positions held

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- April/2018- current** Associate professor at the Department of Biopharmaceutics and Clinical Pharmacy Faculty of Pharmacy/University of Jordan
- April/2014-April/2018** Assistant professor at the Department of Biopharmaceutics and Clinical Pharmacy Faculty of Pharmacy/University of Jordan  
Teaching Pharm D and pharmacy students a variety of courses related to clinical pharmacy, such as pharmacology, biopharmaceutics, pharmacokinetics, clinical pharmacy clerkships (endocrinology, nephrology and clinical pharmacokinetics)
- Oct/2010- Mar/2014** Demonstrator in the Faculty of Pharmacy / Queen's University of Belfast  
Demonstrating various courses related to chemistry and pharmacokinetics to undergraduate students

- Jun/2009- Aug/2010**      **Teacher and research assistant at the German Jordanian University/Faculty of Applied Medical Sciences**  
Preparing and demonstrating several undergraduate practical courses
- Feb/2009-Jun/2009**      **Part time teacher assistant at the University of Jordan/Faculty of Pharmacy**  
Demonstrating several undergraduate practical courses

## **Education**

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- Sep/2010-Mar/2014**      **PhD in Clinical Pharmacy**  
**School of Pharmacy / Queen's University of Belfast**  
**Belfast, UK**

The thesis was entitled "Safe and effective use of medicines in children: Pharmacogenetic and pharmacokinetic applications"

- Sep/2004-Feb/2009**      **B.Sc. Pharmacy**  
**School of Pharmacy / University of Jordan**

## **Research interests**

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Main research interests include: Clinical pharmacy, pharmacy practice, adherence to medications/ compliance with guidelines, medication errors, therapeutic drug monitoring optimization, pharmacokinetic modeling and simulation, pharmacogenetics, and health informatics.

## **Skills**

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### **Research related**

Advanced skills in using statistical packages such as SPSS

Advanced skills in population pharmacokinetic analysis using NONMEM software in combination with Xpose, Perl speaks NONMEM (PsN), R and Pirana

Advanced skills in DNA extraction from various matrices, analyzing genetic data and using genetic software such as Haploview

Advanced skills in using HPLC

### **Computer skills**

Advanced skills in using Windows 7, Microsoft Office suite and the internet (ICDL certificate)

### **Languages**

Fluent in Arabic, English and Greek

## **Specialized training and certificates**

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- 2018 Fellowship in responsible conduct of research- University of California San Diego
- 2016 Attending SPSS workshop held at the University of Jordan
- 2015 Attending health informatics lectures/workshop at the Applied Sciences Private University
- 2015 Attending a workshop for staff development at the University of Jordan
- 2013 Human tissue act training, Belfast, UK
- 2012 Good clinical practice training, Belfast, UK
- 2011 Uppsala pharmacometrics summer school, Uppsala, Sweden
- 2010 TOEFL certificate (score 111/120)

## **Conferences and presentations**

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- 2021 Alsous, M. M., Odeh, M., & Abdel Jalil, M. Effect of an educational intervention on public knowledge, attitudes, and intended practices towards diabetes mellitus: A quasi-experimental study. Presented as a poster at the School of Pharmacy 2021 Conference
- 2019 K Abu Hammour, M Abdel Jalil, W Abu hammour. An exploration of parents' knowledge, attitudes and practices towards the use of antibiotics in childhood upper respiratory tract infections in a tertiary Jordanian Hospital. FIP Regional Conference for the Eastern Mediterranean. April 2019 (poster presentation).
- 2018/2019 Abdel Jalil M, Hammour KA, Alsous M, Hadadden R, Awad W, Bakri F, Fram K. Noncompliance with surgical antimicrobial prophylaxis guidelines: A Jordanian experience in cesarean deliveries. Presented as an e-poster at the "2<sup>nd</sup> International Conference on Obstetrics and Gynecology" and as a poster at the ASU Pharmacy Fourth International Conference
- 2018/2019 Abdel Jalil M, 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. Presented as an e-poster at the "2<sup>nd</sup> International Conference on Obstetrics and Gynecology" and as a poster at the ASU Pharmacy Fourth International Conference and FIP Regional Conference for the Eastern Mediterranean. April 2019
- 2017 Alsous M, Yousef A, Abdel Jalil M, Zawiah M, Al-Yacoub S, Omar S, Momani D, Gharabli A, Rihani R. Genetic polymorphism of thiopurine S-methyltransferase in children with Acute Lymphoblastic Leukemia in Jordan. The 20<sup>th</sup> International Congress of the Arab Association of Faculties of Pharmacy (poster presentation).
- 2017 Hammour KA, Abdel Jalil M. Medication Errors in Voluntary Reported Incidents at a Jordanian Hospital. The 22<sup>nd</sup> Congress of the European Association of Hospital Pharmacists (EAHP) in Cannes, France (poster presentation).
- 2013 Abdel Jalil M, Hawwa AF, McKiernan PJ, Shields MD and McElnay JC. Population pharmacokinetics and pharmacogenetic analysis of tacrolimus in pediatric liver transplant patients. IPTA 7<sup>th</sup> Congress on Pediatric Transplantation (oral presentation).
- 2012 Abdel Jalil M, Hawwa AF, McKiernan PJ, Shields MD and McElnay JC. Population pharmacokinetics and pharmacogenetic analysis of tacrolimus in pediatric liver transplant patients. All Ireland Schools of Pharmacy Conference (oral presentation).
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### **Funded research**

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

Compliance with vancomycin dosing and monitoring guidelines: A prospective audit at a Jordanian teaching hospital (funded by the university of Jordan by 6500 JD)

### **Professional membership**

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2017-2017	Member of JFDA post-approval changes originator committee
2017-now	Editorial board member of the International Journal of Research in Pharmacy and Biosciences
2017-now	Editorial board member of the EC pharmacology and toxicology Journal
2017-now	Editorial board member of the International Journal of Pharma and Drug Development
2017-now	Member of friends of Jordanian environment society
2017-now	Member of the association of Jordanian women academics
2017-now	Member of Middle East Molecular Biology Sources (MEMBS)
2015-now	International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT), USA
2014-now	Member of various committees within the school of pharmacy such as the committee of civil service
2010-now	Jordanian Pharmaceutical Association (JPA)

## **Publications**

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1. **Mariam H. Abdel Jalil**, Noura Abdullah, Mervat Alsous, and Khawla Abu-Hammour. "Population Pharmacokinetic Studies of Digoxin in Adult Patients: A Systematic Review." *European Journal of Drug Metabolism and Pharmacokinetics* (2021): 1-18.
2. Alsous, Mervat M., Ahlam A. Ali, Sayer I. Al-Azzam, **Mariam H. Abdel Jalil**, Hala J. Al-Obaidi, Esraa I. Al-Abbadi, Zainab K. Hussain, and Feras J. Jirjees. "Knowledge and awareness about human papillomavirus infection and its vaccination among women in Arab communities." *Scientific reports* 11 (2021).
3. Abu Hammour, Khawla, **Mariam Abdel Jalil**, Sara AlHabeis, Ghayda Abu Hammour, and Qusai Manaseer. "Prevalence of potentially inappropriate prescribing in older adults in Jordan: Application of the STOPP criteria." *Australasian Journal on Ageing* (2020).
4. Alsous, Mervat M., Mohanad Odeh, and **Mariam Abdel Jalil**. Effect of an educational intervention on public knowledge, attitudes, and intended practices towards diabetes mellitus: A quasi-experimental study. *International Journal of Clinical Practice* 74.9 (2020): e13565.
5. **Abdel Jalil, M. H.**, et al. A systematic review of population pharmacokinetic analyses of digoxin in the pediatric population. *British Journal of Clinical Pharmacology* (2020).
6. **MH, Abdel Jalil**, M. M. Alsous, E. A. Hammad, R. Mousa, M. M. Saleh, and Abu Hammour. "Perceived Public Stress Among Jordanians During the COVID-19 Outbreak." *Disaster Medicine and Public Health Preparedness* (2020): 1-5.
7. **Abdel Jalil, Mariam**, Mervat M. Alsous, Khawla Abu Hammour, Mais M. Saleh, Rimal Mousa, and Eman A. Hammad. "Role of pharmacists in COVID-19 disease: a Jordanian perspective." *Disaster Medicine and Public Health Preparedness* (2020): 1-7.

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8. Alsous, M., **Jalil, M. A.**, Odeh, M., Al Kurdi, R., & Alnan, M. Public knowledge, attitudes and practices toward diabetes mellitus: A cross-sectional study from Jordan. *PloS one*, 2019: 14(3), e0214479.
  9. Hammour KA, **Abdel Jalil M**, Walid Abu Hammour. 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).
  10. **Abdel Jalil M**, 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.
  11. **Abdel Jalil M**, 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.
  12. Alsous M, Elayeh E, **Abdel Jalil M**, Ebtesam A. Evaluation of Self-Medication Practice among Pharmacy Students in Jordan (Accepted for publication).
  13. Alsous M, Yousef A, **Abdel Jalil M**, Zawiah M, Al-Yacoub S, Omar S, Momani D, Gharabli A, Rihani R. Genetic polymorphism of thiopurine S-methyltransferase in children with Acute Lymphoblastic Leukemia in Jordan (Accepted for publication).
  14. Alsous M, Alhalaiqa F, Farha RA, **Abdel Jalil M**, McElnay J, Horne R. Reliability and validity of Arabic translation of Medication Adherence Report Scale (MARS) and Beliefs about Medication Questionnaire (BMQ)—specific for use in children and their parents. *PloS one*. **2017** Feb 13;12(2):e0171863.
  15. Hammour KA, **Abdel Jalil M**. Medication Errors in Voluntary Reported Incidents at a Jordanian Hospital. *Jordan Medical Journal*. **2016** Jun;50(2):87-96.

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16. Hamdan II, El-Sabawi D, **Abdel Jalil M.** Potential interaction between zinc ions and a cyclodextrin-based diclofenac formulation. Drug development and industrial pharmacy. **2016** Mar 3;42(3):418-28.
17. **Abdel Jalil M.**, Hawwa AF, McKiernan PJ, Shields MD, McElnay JC. Population pharmacokinetic and pharmacogenetic analysis of tacrolimus in paediatric liver transplant patients. British journal of clinical pharmacology. **2014** Jan 1;77(1):130-40.

## References

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▪ James McELnay, PhD., Professor.

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▪ Nailya Boulatova Younes, Ph.D., Professor

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