

CURRICULUM VITAE

Amal Abdelraouf Akour

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Homepage: https://scholar.google.com/citations?user=Tw_9Pv8AAAAJ&hl=en



1. Personal Data

Nationality: Jordanian

Social status: Single

2. Education

- Ph.D. (Pharmacotherapy) 2012, Virginia Common University, Richmond, Virginia, USA
 - **Molecular biology techniques: Western blotting, PCR, Cell culture, Radioactive compound.**
 - **Software: SPSS®, PRISM®**
- B.Sc. (Pharmacy) 2007, The University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

The role of megalin in the transport of aminoglycosides across human placenta, Virginia Commonwealth University, Richmond, Virginia, USA.

4. Employment

Academic Positions

- Associate Professor, Department of Pharmacy, College of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan
October, 2019 – now
- Associate Professor, Department of Biopharmaceutics and Clinical Pharmacy, School of Pharmacy, The University of Jordan, Amman, Jordan.
January, 2017 – Now

- Fulbright Post-doctorate Research Fellow, Pauley Heart Center, Richmond, Virginia, USA.
June 2017-January 2018
- Assistant Professor, Department of Biopharmaceutics and Clinical Pharmacy, School of Pharmacy, The University of Jordan, Amman, Jordan.
January, 2013 – January, 2017
- Graduate Teaching Assistant, Department of Pharmacotherapy, Virginia Commonwealth University, Richmond, Virginia, USA
August 2011-December 2011
- Teaching Assistant, Department of Biopharmaceutics and Clinical Pharmacy, School of Pharmacy, The University of Jordan, Amman, Jordan
July 2007-July 2008

Administrative Positions

- Assistant Dean For Hospital Training And PharmD Program, The University of Jordan, Amman, Jordan
September 2015-June 2017

5. Research Interests

Clinical Pharmacy, Endocrinology, Women's Health, Biomarkers

6. Membership in Scientific Societies and Associations

- JORDAN FOOD AND DRUG ADMINISTRATION, AMMAN, JORDAN
-Member of Originator drug registration (May 2019-October 2019)
-Member of the Post marketing advisory committee (February 2013-November 2015)
- AMERICAN COLLEGE OF CLINICAL PHARMACY, MARYLAND, USA
Member (August 2011-August 2012)
- AMERICAN SOCIETY OF CLINICAL PHARMACOLOGY AND THERAPEUTICS, DC, USA
Member (August 2009-December 2012)
- JORDAN PHARMACEUTICAL ASSOCIATION, AMMAN, JORDAN
Member (July 2007-recent)
- JORDAN NUTRITION ASSOCIATION
Member (May 2016-Recent)

7. Honors and Awards

- Dr. Yanchich's Award for distinction in research and scholarship: Virginia Commonwealth University, Richmond, VA (August 2011).
- Certificate in "Preparation of Future Faculty":
Awarded after completing a 4-session workshop and an internship of teaching for P3 students in the same University.
- Faculty of Pharmacy, University of Jordan, Amman, Jordan (2008-2012):
Full scholarship that includes living expense and tuition to pursue PhD in the US.
- Jordanian National Ranking, Jordan (2007):
Ranked second in the Pharmacy Qualification Exam amongst all Jordanian pharmacy students who graduated in June 2007.

- University of Jordan, Amman, Jordan (2002-2007): Full Bachelor Degree Scholarship.

8. Fellowships and Scholarships

- Fulbright Post-doctorate Fellowship, Richmond, VA (June 2017- January 2018)
- Academy of Medical Sciences, London, UK (April 2015): Daniel Turnberg UK/Middle East Fellowship.

9. Teaching Experience

Graduate Courses

- General hospital training for masters
- Advanced Pharmacotherapy for masters

Undergraduate Courses

- Clinical Biostatistics
- Medical Terminology
- Over-the-counter Medications
- Seminar in Biopharmaceutics and Clinical Pharmacy
- Pharmacotherapy (II)
- Research project in and Clinical Pharmacy
- Pharmacotherapy (I)
- Pharmacology (1)
- Oncology clerkship
- Endocrinology clerkship

10. Supervision of Graduate Research

- The Current Involvement And The Impact Of Continuous Professional Development For Pharmacists In Jordan On Perception And Behavior Related To Practice. Main Advisor: Dr. Eman Al-Efishat; Co-advisor: Dr. Amal Akour (Student: Lubna Al-Qaisi, Graduated Summer 2018).
- Evaluation of the association of plasma levels of oxytocin, Fetuin-A and IL-18 in diabetic and non-diabetic patients with metabolic syndrome: A cross-sectional study in Jordan”. Main Advisor: Dr. Violet Kasabri; Co-advisor: Dr. Amal Akour (Student: Esra'a Al-Shawakri-Graduated Summer of 2016).
- Clinical Pharmacist’s role in Ameliorating Complications of Gestational Diabetes. Main advisor: Prof. Abba AlBsoul, Co-advisor 1: Dr. Violet Kasabri; Co-advisor 2: Dr. Amal Akour (Student: Razan Al-Batta- graduated Fall 2017).
- A cross sectional study of soluble intercellular adhesion molecule 1 (sICAM1) and Paraoxonase1 plasma levels in dysglycemic and normoglycemic metabolic syndrome subjects in Jordan. Main Advisor: Dr. Amal Akour; Co-advisor: Violet Kasabri (Student: Quteiba Hameed- graduated Summer 2017).

- A cross sectional study of Melatonin and Cryptochrome 2 plasma levels in dysglycemic and normoglycemic metabolic syndrome subjects in Jordan. *Dr.Amal Akour*; Co-advisor: Violet Kasabri (Student:Ibrahim Al-Sarraf-Graduated Summer 2017).
- A cross sectional study of Vaspin and Dimethylarginine plasma levels in dysglycemic and normoglycemic metabolic syndrome subjects in Jordan *Dr.Amal Akour*; Co-advisor: Violet Kasabri (Student: Zahara Khafaji-Graduated Summer 2017).

11. Grants

- Deanship of Academic research at UJ, Nov 2015: Risk factors of colon cancer in Jordanian population (as Co-PI), grant value: 5,000 JDs.
- Deanship of Academic research at UJ, July 2014: The correlation between Oxytocin and DM/inflammation (as PI), grant value: 10,000 JDs.
- Scientific Research Support Fund-Amman-Jordan (June 2014): The Effect of Vitamin D3 on Urinary Markers of Diabetic Nephropathy (as PI), grant value: 34,000 JDs.
- Deanship of Academic research at UJ, (July 2013): the Effect of Vitamin D3 on Urinary Markers of Diabetic Nephropathy (as PI), grant value: 10,000 JDs.
- Deanship of Academic research at UJ, July 2013: Patients' Knowledge and Adherence to Medications of Chronic Diseases in Jordanians (as Co-PI), grant value: 5,000 JDs

12. Patents

- None

13. Membership of Committees

- **National and International**
 - *Postmarketing advisory committee, JFDA*
 - *Originator drug registration committee, JFDA*
- **University**
 - *E-learning committee*
 - *Scientific research committee*
 - *Experiential learning committee*
 - *Curriculum development committee*

14. Professional and Scientific Meetings

Scientific Meetings Organized

None

Participation in Scientific meetings

- ***Urinary Megalin Levels and Diabetic Nephropathy (November 2019)***
Daniel Turnberg Alumni Conference, Nicosia , Cyprus
- ***Developing a Mobile Application for Contraception Use in Jordanian Women (August 2019)***
IFLA conference, Athens, Greece
- ***Direct cardiac effects of SGLT2R inhibitors (October 2018)***
MEMBS conference, Amman, Jordan
- ***The Use of Medicinal Herbs in Gynecological and Pregnancy-Related Disorders by Jordanian Women: A Review of Folkloric Practice vs. Evidence-Based Pharmacology. Pharmaceutical Biology (May 2018).***
The 15th Congress of the European Society of Contraception and Reproductive Health. Budapest, Hungary
- ***The Evaluation Of Correlation Between Clinical Parameters And Inflammatory Markers In Metabolic Syndrome Patients In Jordan: Cross-Sectional Study (November 2015)***
The 5th World American Congress on Controversies to Consensus in Diabetes, Obesity and Hypertension (CODHy). Istanbul, Turkey
- ***Metabolic Syndrome and Antipsychotic Medications (April 2018)***
Jordan Pharmacists' Association -Amman, Jordan
- ***Patient Counseling on Complimentary Weight Loss Products (September 2014)***
Jordanian Women health forum at Jordan Pharmacists' Association-Amman-Jordan
- ***Allergic Drug Reactions :Update on Antibiotic-Mediated Allergy (May 2014)***
The 5th international conference of allergy and immunology-Amman-Jordan
- ***The Transfer of Aminoglycosides via Human Placenta (April 2014)***
The 15th Jordanian Pharmacy Convention-Amman-Jordan
- ***Assessment of Megalin Expression in Human Placental Models (Feb 2012).***
Virginia Commonwealth University, Richmond, VA.
- ***The Role of Megalin in the Transplacental Transport of Aminoglycosides (April 2011)***
Virginia Commonwealth University, Richmond, VA.
- ***Intrapartum Aminoglycosides and Neonatal Nephrotoxicity (April 2010)***
Virginia Commonwealth University, Richmond, VA.
- ***The Effect of Contemporary Oral Contraceptive Pills on Carbohydrate Metabolism in Women with Metabolic Risk Anomalies: Review of literature. (Feb 2009)***
The first Jordanian Conference for Public Sector Pharmacists. Amman, Jordan (June 2015):
- The Influence of Patients' Knowledge on Adherence to their Chronic Medications: A Cross-sectional Study in Jordan. International Journal of Clinical Pharmacy.
- American Society of Clinical Pharmacology and Therapeutics (ASCPT) Meeting. Dallas, Texas (March 2011):
- Evidence that megalin-mediated endocytosis is involved in the placental uptake of Aminoglycosides.
- Virginia Commonwealth University, Richmond, VA (April 2010):

- Research and Career Day: Transplacental Transport of Aminoglycosides Across human trophoblasts.
- Virginia Commonwealth University, Richmond, Virginia (November 2011):
- Graduate Research Symposium: Characterization of Megalin Expression in Human Term and Preterm Placenta.
- Virginia Commonwealth University, Richmond, VA Public Health Research Forum (August 2009):
- The Effect of Moderate Physical Activity on the Prevalence of Self-reported Depression (BRFSS dataset).

15. Participation in or organization of curricular and/or extra-curricular activities

- Attending an online workshop (Microsoft teams): how to write online exams, organized by quality assurance center (QAC) at UJ (April 2020)
- Attending Wellness Jo conference At Amman, Jordan (February, 2020)
- Attending the International Scientific Forum of Pharmacy at Applied Science University (January 2020)
- Being a judge for posters evaluation at the 7th International Pharmaceutical Conference at Al-Zaytoonah University of Jordan (November 2019)
- Attending a workshop: Cosmetics in Jordan (October 2019)
- Attending a workshop: how to increase citations at QAC, UJ (December 2018)
- Attending workshop about drug and medical device registration In Amman, Jordan (December, 2018)
- Attending an UPDATE TRAINING “HIV & HCV” in Michigan. October, 2017
- Attending a workshop on students assessment techniques at QAC, UJ (July 2018)
- Completing Human subject research course/biomedical at VCU, USA (June 2017)
- Attending a workshop on portfolio as a method of student assessment at QAC, UJ (April 2017)
- Attending ASU 3rd Pharmacy Conference for postgraduate research (accredited by Jordan Medical Council) (April 2017)
- Being a judge in Hamdi Mango competition for the best scientific projects for Bachelor and School students (April 2017)
- Attending a workshop for staff development at UJ (August 2013)
- Attending a workshop about the use of oral contraceptives in Jordanian Community-organized by Jordan Pharmacy Associations (April 2013)
- Attending a workshop about grading system at UJ (Jan 2013)
- Workshop in principles of SPSS) @Feb. 2014)
- Workshop titled "Harmonizing the assessment process of generic dossiers and improving quality of Assessment by USAID and JFDA" (August 2015)
- Pharmacy Health Informatics at Applied Sciences Private University (December 2015).

- Supervising gynecology knowledge day (Organized by IPSF Eastern Mediterranean Regional: December 2015)
- Supervising free medical days
- Nutrition and Diabetes Complications workshop by Academy of Nutrition and Dietetics (May 2016)
- Emotional Intelligence workshop by Dale Carnegie (April 2016)

16. Significant Publications

For full list of publications please visit the following link:

https://scholar.google.com/citations?user=Tw_9Pv8AAAAJ&hl=en&authuser=1

1. H.S. AlKhatib, G. Brazeau, A. Akour, S.A. Almuhaissen, Evaluation of the effect of items' format and type on psychometric properties of sixth year pharmacy students clinical clerkship assessment items, *BMC medical education* 20(1) (2020) 190.
2. A. Akour, Probiotics and COVID-19: is there any link?, *Letters in applied microbiology* (2020).
3. V. Kasabri, A. Akour, N. Bulatova, M. Suyagh, A.M. Yousef, H. Al Hawari, S. Al Shelleh, J. Bzour, H. Fahmawi, A Pre-Post Study of Vitamin D Supplements effects on Urinary megalin: The emerging predictive role of megalin in diabetic nephropathy progression, *Endocrine, metabolic & immune disorders drug targets* (2020).
4. A. Akour, V. Kasabri, S. Al Muhaissen, R. Tarawneh, B. Al-Anati, and N. Alourani, 2020. Patterns and Perceived Efficacy of Herbal Medicine for Weight Loss and Maintenance: a Cross-Sectional Survey From Jordan. In press doi: [10.1016/j.eujim.2020.101086](https://doi.org/10.1016/j.eujim.2020.101086) (2020)
5. A. Akour, V. Kasabri, N. Bulatova, Y. Al-Motassem, H. Fahmawi, M. Momani, A. Zayed, R. Alquoqa, H. AlHawari, Urinary megalin in association with progression factors of diabetic nephropathy, *Bratislavske lekarske listy* 120(7) (2019) 532-535.
6. S.K. Bardaweel, A.A. Akour, S. Al-Muhaissen, H.A. AlSalamat, K. Ammar, Oral contraceptive and breast cancer: do benefits outweigh the risks? A case - control study from Jordan, *BMC women's health* 19(1) (2019) 72.
7. S.A. Al Muhaissen, A. Ratka, A. Akour, H.S. AlKhatib, Quantitative analysis of single best answer multiple choice questions in pharmaceuticals, *Currents in pharmacy teaching & learning* 11(3) (2019) 251-257.
8. V. Kasabri, E. Shawakri, A. Akour, R. Naffa, N. Khawaja, I. Al-Sarraf, J. Bzour, Cross-sectional correlates of increased IL-18 but reduced fetuin-A and oxytocin with adiposity and blood indices in metabolic syndrome patients with and without prediabetes, *Therapeutic advances in endocrinology and metabolism* 9(12) (2018) 329-338.
9. Q.Q. Al-Heety, V. Kasabri, A. Akour, R. Naffa, S. Abu Rkhaya, Cross-sectional correlates of paraoxonase 1 and soluble intercellular adhesion molecule-1 in metabolic syndrome patients with and without diabetes, *Therapeutic advances in endocrinology and metabolism* 9(10) (2018) 303-310.

10. R.S. Alquoqa, V. Kasabri, R. Naffa, A. Akour, Y. Bustanji, Cross-sectional correlates of myeloperoxidase and alpha-1-acid glycoprotein with adiposity, atherogenic and hematological indices in metabolic syndrome patients with or without diabetes, *Therapeutic advances in endocrinology and metabolism* 9(9) (2018) 283-291.
11. S.K. Bardaweel, A.A. Akour, A.L. A, Impediments to use of oral contraceptives among refugee women in camps, Jordan, *Women & health* 59(3) (2019) 252-265.
12. I.A.K. Al-Sarraf, V. Kasabri, A. Akour, R. Naffa, Melatonin and cryptochrome 2 in metabolic syndrome patients with or without diabetes: a cross-sectional study, *Hormone molecular biology and clinical investigation* 35(2) (2018).
13. A. Akour, V. Kasabri, N. Bulatova, S. Al Muhaisen, R. Naffa, H. Fahmawi, M. Momani, A. Zayed, Y. Bustanji, Association of Oxytocin with Glucose Intolerance and Inflammation Biomarkers in Metabolic Syndrome Patients with and without Prediabetes, *The review of diabetic studies : RDS* 14(4) (2018) 364-371.
14. A. Akour, S. Bardaweel, O. Awwad, S. Al-Muhaisen, R. Hussein, Impact of a pharmacist-provided information booklet on knowledge and attitudes towards oral contraception among Jordanian women: an interventional study, *The European journal of contraception & reproductive health care: the official journal of the European Society of Contraception* 22(6) (2017) 459-464.
15. R.A. Batta, V. Kasabri, A. Akour, D. Hyassat, A. Albsoul-Younes, Impact of clinical pharmacists intervention on management of hyperglycemia in pregnancy in Jordan, *International journal of clinical pharmacy* 40(1) (2018) 48-55.
16. A. Akour, R. A. Farha, E. Alefishat, Insulin resistance and levels of cardiovascular biomarkers in night-shift workers. *Sleep Biol. Rhythms* 15 (2017) 283–290.
17. E.A. Hammad, R.A. Qudah, A.A. Akour, The impact of clinical pharmacists in improving Jordanian patients' health outcomes, *Saudi medical journal* 38(11) (2017) 1077-1089.
18. A. Akour, V. Kasabri, N. Boulatova, Y. Bustanji, R. Naffa, D. Hyasat, N. Khawaja, H. Bustanji, A. Zayed, M. Momani, Levels of metabolic markers in drug-naive prediabetic and type 2 diabetic patients, *Acta diabetologica* 54(2) (2017) 163-170.
19. A. Al-Rawashdeh, V. Kasabri, N. Bulatova, A. Akour, A. Zayed, M. Momani, N. Khawaja, H. Bustanji, D. Hyasat, The correlation between plasma levels of oxytocin and betatrophin in non-diabetic and diabetic metabolic syndrome patients: A cross sectional study from Jordan, *Diabetes & metabolic syndrome* 11(1) (2017) 59-67.
20. A. Akour, V. Kasabri, F.U. Afifi, N. Bulatova, The use of medicinal herbs in gynecological and pregnancy-related disorders by Jordanian women: a review of folkloric practice vs. evidence-based pharmacology, *Pharmaceutical biology* 54(9) (2016) 1901-18.
21. S.K. Bardaweel, A.A. Akour, M.V. Kilani, Current knowledge, attitude, and patterns of oral contraceptives utilization among women in Jordan, *BMC women's health* 15 (2015) 117.

22. A.A. Akour, M.J. Kennedy, P.M. Gerk, The Role of Megalin in the Transport of Gentamicin Across BeWo Cells, an In Vitro Model of the Human Placenta, *The AAPS journal* 17(5) (2015) 1193-9.
23. O. Awwad, A. Akour, S. Al-Muhaissen, D. Morisky, The influence of patients' knowledge on adherence to their chronic medications: a cross-sectional study in Jordan, *International journal of clinical pharmacy* 37(3) (2015) 504-10.
24. A.A. Akour, P. Gerk, M.J. Kennedy, Megalin expression in human term and preterm placental villous tissues: effect of gestational age and sample processing and storage time, *Journal of pharmacological and toxicological methods* 71 (2015) 147-54.
25. A.A. Akour, M.J. Kennedy, P. Gerk, Receptor-mediated endocytosis across human placenta: emphasis on megalin, *Molecular pharmaceutics* 10(4) (2013) 1269-78.