

CURRICULUM VITAE
Prof. SAYER IBRAHIM AL-AZZAM

❖ **PERSONAL INFORMATION**

Address: Faculty of Pharmacy
Jordan University of Science and Technology
P.O. Box 3030
Irbid 22110 Jordan

Cell: 0795090133

Emails: sayerazzam@yahoo.com
salazzam@just.edu.jo

Date of Birth: 8 - 4 -1977

Nationality: Jordanian

Marital Status: Married

❖ **PROFESSIONAL EXPERIENCE**

2006 – 2008 Chairman, Department of Clinical Pharmacy, JUST

2005 – 2010 Assistant Professor, Department of Clinical Pharmacy, JUST

2010 – 2015 Associate Professor, Department of Clinical Pharmacy, JUST

2009 – 2014 Chairman, Department of Clinical Pharmacy, King Abdullah University Hospital (KAUH)

2014 – 2017 Visiting Professor at Queen’s University Belfast (QUB)

2010 – Present Board Certified Pharmacotherapy Specialist (By American Pharmacist Association).

2015 - Present Professor, Department of Clinical Pharmacy, JUST

2017 - 2018 Vice Dean, School of Pharmacy, JUST

2018- 2019 Dean, School of Pharmacy, Yarmouk university

2019- Present Dean, School of Pharmacy, JUST

❖ **EDUCATION**

<u>Year</u>	<u>Institution</u>	<u>Degree</u>
2004	University of Iowa, USA	Post-Doctoral Fellowship(Clinical Pharmacokinetics)
2001-2003	University of Iowa, USA	Doctor of Pharmacy
1999-2001	JUST, Irbid, Jordan	M.Sc. Clinical Pharmacy
1995-1999	JUST, Irbid, Jordan	B.Sc. Pharmacy
1994-1995	Howarah Secondary School	General Secondary Certificate

❖ **MAJOR ACHIEVEMENTS**

- Development of a new curriculum for the Pharm. D program and the clinical pharmacy M.Sc. research program, (1999).

- Establishing the first clinical pharmacy department in Jordan at KAUH (the largest teaching hospital in north Jordan) as a step toward improving care offered to patients (2009- present) (the department is composed of 12 clinical pharmacists who provide their services in the critical units of the hospital (CCU, ICU, NICU, PICU), along with oncology, cardiology and pediatrics wards. In addition to the medicine, psychiatry and surgery wards and ambulatory care clinics which were covered recently).
- Implementation, development and supervision of the first Drug Information Center (DIC) at KAUH (2012).
- Implementation and development of warfarin and diabetes clinics at KAUH (2013).
- Implementation of the first clinical pharmacy residency program in Jordan (2013).
- Implementation, development and supervision of patient counseling center at KAUH (2013).
- Implementation of the first web site specialized in drug information at KAUH (2014) (<http://www.just.edu.jo/dic/Pages/default.aspx>).
- Establishing the reference value for measurement of aspirin resistance which was adapted by Roche Company, Switzerland (2014).
- Establishing the Faculty of Pharmacy at Yarmouk University (2018-2019)

❖ MAJOR RESPONSIBILITIES

- Administrative oversight of research and teaching programs of department of clinical pharmacy.
- Develop and maintain research program in my research area of interest.
- Providing clinical pharmacy services at KAUH.
- Administrative oversight of department of clinical pharmacy at JUST.
- Administrative oversight of department of clinical pharmacy at KAUH.
- Schedule clerkship rotations for all Pharm. D and master students.
- Provide classroom lectures to graduate/undergraduate pharmacy students.
- Coordinating of graduate/undergraduate courses.
- Administrative oversight of school of pharmacy at Yarmouk university.

❖ COURSES TAUGHT

Courses taught repeatedly (2005-present), Department of Clinical Pharmacy, College of Pharmacy, JUST (for B.Sc. in pharmacy, Pharm D, and MSc in clinical pharmacy students):

- | | |
|------------------|--|
| PHAR 342 | Clinical Pharmacy and Therapeutics I (pharmacotherapy of the ANS and CNS) |
| P344 | Introduction to Therapeutics (this course covers the basic principles of therapeutics) |
| DPHAR 344 | Pharmaceutical Care and Therapeutics I (for Pharm D; the ANS and CNS) |

PHAR 363	Drug Information Resources for Pharm D students.
PHAR401 PHAR 402 DPHAR 508	Pharmaceutical practical training courses, which involve lecturing and practical community pharmacy training for both pharmacy and Pharm D.
PHAR 441	Clinical Pharmacy and Therapeutics II (pharmacotherapy of the microbial diseases and cancer)
PHAR 443	Therapeutics: Neurologic and Psychiatric Disorders (pharmacotherapy of neurological and psychiatric disorders for Pharm D students)
PHAR 444	Clinical Pharmacy and Therapeutics III (pharmacotherapy of the respiratory, cardiovascular and renal systems)
DPHAR 443	Pharmaceutical Care and Therapeutics II (for Pharm D; antimicrobials and cancer)
PT 482	Introduction into pharmacology course for physiotherapy students.
PHAR 541A	Clinical Pharmacy and Therapeutics IV (pharmacotherapy of the endocrine, GI and reproductive systems)
PHAR 541B	Therapeutics: Endocrine and Renal Diseases (pharmacotherapy of the endocrine and renal system for Pharm D students).
PHAR 542	Clinical Pharmacy (an elective course; advanced pharmacotherapy)
PHAR 544	Therapeutics: Women and Men health (Pharmacotherapy of the women diseases; gynecology and obstetrics; and men diseases; urology).
DPHAR 545	Pharmaceutical Care and Therapeutics IV (for Pharm D; the endocrine, GI and reproductive systems)
P548	Therapeutics- Comprehensive (for Pharm D students; this course depends on a comprehensive view that takes into consideration the interactions of various diseases in the therapy of a patient)
DPHAR 601 DPHAR 602 DPHAR 603 DPHAR 604 PHAR 707 PHAR 703 PHAR 704 PHAR 708	Clinical Training: supervising clinical training for Pharm D and MSc in clinical pharmacy students at the university affiliated hospitals. This involve the discussing clinical cases admitted to the hospital wards, direct evaluation of student performance by written exams and oral presentation, directing and supervising clinical research projects, and continuous evaluation of the training programs. (I was the main contributor in the development of course outline and settings for the clinical training for both Doctor of Pharmacy and Master students)

PHAR 710	Research Methodology course for MSc in clinical pharmacy students (basic research methods and ethics in human and animal, with emphasis on clinical pharmacology and therapeutics related research topics and ideas.
PHAR 741 PHAR 742	Advanced Therapeutics (selected topics in clinical pharmacology and therapeutics for MSc in clinical pharmacy students)
PHAR 774	Drug information (electronic and non-electronic methods and resources to obtain information on drugs for MSc in clinical pharmacy students)
DPHAR 504	Case studies in therapeutic drug monitoring
DPHAR 546	Drug information resources and drug interactions
PHAR 344	Introduction to therapeutics
PHAR 770	Seminar
PHAR 744	Comprehensive Therapeutics

❖ ACADEMIC SUPERVISION AND THESIS COMMITTEES (MASTER STUDENTS):

Major Advisor

1. **Mohammad W. Jaradat** (MSc in Forensic Science and Toxicology, 2008)
2. **Shayma'a Arif** (MSc in Forensic Science and Toxicology, 2008)
3. **Raya Al Zayadeen** (MSc in Clinical Pharmacy, 2010)
4. **Mais Ghanma** (MSc in Clinical Pharmacy, 2010)
5. **Mohamad Nuseir** (MSc in Clinical Pharmacy, 2011)
6. **Deniz Tawalbeh** (MSc in Clinical Pharmacy, 2011)
7. **Ola Al-Azzah** (MSc in Clinical Pharmacy, 2011)
8. **Rania Jammal** (MSc in Clinical Pharmacy, 2011)
9. **Jaafar Abu Abeeleh** (MSc in Clinical Pharmacy, 2011)
10. **Arwa Ahmad Al-Berkdar** (MSc in Clinical Pharmacy, 2013)
11. **Ola Al-Azzam** (MSc in Clinical Pharmacy, 2018)
12. **Tala Shoqairat** (MSc in Clinical Pharmacy, 2018)
13. **Sherafel Almotairi** (MSc in Clinical Pharmacy, 2018)
14. **Lana Rababah** (MSc in Clinical Pharmacy, 2018)

Co-advisor

1. **Saddam Rawashdeh** (MSc in Public Health, 2007)
2. **Banan Ali Habib Allah** (MSc in Nutrition and Food Science 2008)

3. **Suha Wehaibi**. (MSc in Medical Laboratory Sciences, 2010)
4. **Baraa algharaibeh** (MSc in Clinical Pharmacy, 2010)
5. **Ala' Mahmoud al-Bdour** (MSc in Applied Biological Sciences, 2010)
6. **Murad Tashtoosh** (MSc in Clinical Pharmacy, 2011)
7. **Noor Alaa Aldein** (MSc in Clinical Pharmacy, 2011)
8. **Banan Awawdeh** (MSc in Public Health, 2012)
9. **Hassan Al-Agedi** (MSc in Clinical Pharmacy, 2012)
10. **Fatima Enaya** (MSc in Medical Laboratory Sciences, 2013)
11. **Nadia Syafhan** (PhD in Clinical Pharmacy, 2017)

Internal examiner

1. **Mazen Lababneh** (MSc in Forensic Science and Toxicology, 2008)
2. **Noor Sawalheh** (MSc in clinical pharmacy, 2009)
3. **Ala Habeb** (MSc in clinical pharmacy, 2009)
4. **Mais Iflaifel** (MSc in clinical pharmacy, 2010)
5. **Hadeel Yacoub** (MSc in Applied Biological Sciences, 2010)
6. **Suzan Asfour** (MSc in clinical pharmacy, 2010)
7. **Nour Tashtoosh** (MSc in clinical pharmacy, 2011)
8. **Naseem Bouqli** (MSc in clinical pharmacy, 2011)
9. **Alharith Ahmad** (MSc in clinical pharmacy, 2011)
10. **Ijlal Abu Alrub** (MSc in clinical pharmacy, 2011)
11. **Ala Baniyaseen** (MSc in clinical pharmacy, 2011)
12. **Shorouk Ibraheem** (MSc in clinical pharmacy, 2013)
13. **Jullia Hajaj** (MSc in clinical pharmacy, 2013)
14. **Eman harahsheh** (MSc in clinical pharmacy, 2013)
15. **Khawla Tashman** (MSc in clinical pharmacy, 2013)
16. **Nour Bazzi** (MSc in clinical pharmacy, 2013)
15. **Leen Magarbeh** (MSc in Clinical Pharmacy, 2018)

External examiner

1. **Rana K. Abu Farha** (MSc in clinical pharmacy, 2007)
2. **Nour Batarseh** (MSc in clinical pharmacy, 2009)
3. **Rola Quteshat** (MSc in clinical pharmacy, 2009)
4. **Rabi'a Al-Jabra** (MSc in clinical pharmacy, 2010)
5. **Neris Hakuz** (MSc in clinical pharmacy, 2010)
6. **Tahani Qhaiwi** (MSc in clinical pharmacy, 2010)
7. **Odeet Tadros** (MSc in clinical pharmacy, 2011)
8. **Zainab Matar** (MSc in clinical pharmacy, 2012)
9. **Tariq Ghazawneh** ((MSc in clinical pharmacy, 2013)
10. **Shalya Alkurdi** ((MSc in clinical pharmacy, 2014)

❖ NON-DEGREE COURSES

- **Advances in Cardiology** (educational activity): Iowa City, IA, USA. June 25th, 2004.
- **Health Provider** (CPR/AED course granting): American Heart Association (AHA), Iowa City, IA, USA. August, 23rd, 2002.
- **Testing and Evaluation “University Examinations”** (training course), Academic Development and Quality Assurance Center. JUST. Feb. 1st and 2nd, 2006.
- **Modern University Instructional Methods “electronic learning”** (training course), Academic Development and Quality Assurance Center, JUST. Nov. 4th and 5th, 2007.
- **Modern Teaching Strategies** (training course): Academic Development and Quality Assurance Center. JUST. Sept. 17th and 18th, 2013.
- **Statistical Analysis using SPSS** (training course): Academic Development and Quality Assurance Center. JUST. Sept. 19th and 22nd, 2013.
- **Advanced Tobacco Dependence Treatment: Global Experience and Regional Perspective**, offered by Global Bridges Healthcare Alliance for Tobacco Dependence Treatment at King Hussein Cancer Center, Amman, Jordan. April. 15-17, 2013.
- **Introduction to Good Clinical Practice (GCP) e-learning course**: A practical guide to ethical and scientific quality standards in clinical research, National Institute for Research Health, Clinical Research Network, March, 5th, 2015.

❖ MEMBERSHIPS

- Member of the Jordanian Association of Pharmacy, Amman, Jordan.
(Registered pharmacist in Jordan)
- Member, Clinical and Practice Research Group, School of Pharmacy, Queen’s University Belfast (2014-2017)
- Member, eHealth Development Association, Jordan (2019 – present)

❖ SKILLS & LANGUAGES

Computer Skills: Internet, WinWord, Excel, Power point, Clinical Pharmacokinetic software (WinNonLin)

Languages: English: Excellent
Arabic: Excellent

❖ COMMITTEES

JUST

- **Member**
 - **University council** (2009-2010)

School of Pharmacy

- **Member**
 - **Faculty council** (2005-2010, 2017-2018)
 - **Library committee** (2005-2006)
 - **Conferences and scientific days’ committee** (2005-2006)

- **Graduate studies** committee (2006-2014, 2017-2018)
 - **Scientific research** committee (2006-2014, 2017-2018)
 - **Curriculum** committee (2006-2008, 2017-2018)
 - **Social** committee (2005-2010)
 - **Clinical pharmacy and pharmacy practice** committee (2008-2014)
 - **Scientific and Continuous education** committee (2009-2013)
 - **Students' academic conduct** (2013-2014)
- **Director**
 - **Community pharmacy training** committee (2011-2012)
 - **Clinical pharmacy services and department establishing committee At KAUH** (2009)
 - **Library** committee (2008-2009)
 - **Scientific and continuous education** committee (2012-2013)
 - **Clinical pharmacy and pharmacy practice** committee (2010-2011)
 - **The patient counselling simulation/role-play supervision** committee (2011/2012)
 - **The community pharmacy training curriculum development** committee (2012)
 - **The community pharmacy training implementation and follow-up** committee (2012)
 - **The community service committee** (2013-2014)

Clinical Pharmacy Department

- **Member**
 - **Graduate studies** committee (2005-2014,2017-2018)
 - **Scientific research** committee (2005-2014,2017-2018)
 - **Department council** (2005-2014, 2017-2018)
 - **Clinical training** committee, (2005-2014, 2017-2018)
 - **The non-traditional Pharm D curriculum development** committee (2012)
 - **Master of clinical pharmacy comprehensive exam** committee (2007-2014, 2017-2018)
- **Director**
 - **Clinical training** committee (2007-2010)
 - **Residency program development** (2013)

Yarmouk University

- **Member**
 - **Dean' s Council** (2015-present)
 - **The appointment and promotion committee** (2018- present)
 - **The committee for the implementation of the first Institutional Review Board** (2019)
- **Director**
 - **Faculty' s Counsel**, Faculty of Pharmacy (2018-presnt)
 - **Research Committee**, Faculty of Pharmacy (2018-presnt)

KAUH

- **Member**
 - **Drug and therapeutics** committee (2010-2014)
 - **Institutional Review Board (IRB)** (2011-2014)
 - **Unit dose system** committee (2011-2014)
 - **Medical board** (2009-2012)
 - **Medication management and use** committee (2012-2014)
 - **Pain clinic establishing** committee (2012-2014)

- **Director**
 - **Clinical pharmacy newsletter** (2012-2014)
 - **Drug information web site** (2013-2014)

External Committees and Services

- **Member**
 - **Pharm D program accreditation** committee. Higher council for education in Jordan (2011)
 - **Clinical Pharmacy** committee. The Jordanian Pharmaceutical Association (JPA). Amman, Jordan (2011) (I was the main contributor in establishment the current job description for clinical pharmacist in Jordan)
 - **The Scientific** committee. JPA. Irbid, Jordan (2011)
 - **Clinical pharmacy exam** committee. Royal medical services. Amman, Jordan (2012-Present)
 - **Jordan Pharmaceutical Board establishment** committee. JPA. Amman, Jordan (2012-present)
 - **Clinical Studies Committee and Clinical site/Studies Inspector**, Jordan Food and Drugs Administration (JFDA), Amman, Jordan (2019-now): This committee supervises all clinical studies, and IRB committees working in the country. It involves direct inspection of CROs all over Jordan.
 - Mentor, **Fogarty NIH Research Ethics Program in Jordan**, University of California San Diego. (2014-present)
 - **Committee to study the reality of drugs prices in Jordan** (this committee was formed by ministry of health and it included the stakeholders in the field of pharmacy). Amman, 2019.
 - The committee for reviewing the accreditation application for the joint pharmacy program between the university of Middle East and the university of Strathclyde. Amman, 2019.
 - The appellate Disciplinary Board of the university faculty members.
 - The committee for drafting and updating the progress file for the establishment of a program of higher specialization in clinical pharmacy in partnership with faculty of pharmacy at the University of Jordan. Amman, 2018.
 - Committee to review and update the pharmacy competencies and learning outcomes in Jordan. Higher council for education accreditation and quality assurance in Jordan (2019)

- Committee to review self-assessment report submitted by school of pharmacy at Amman Al-Ahliya University for quality assurance certificate. Higher council for education accreditation and quality assurance in Jordan (2019)

❖ WORKSHOPS, COURSES AND PRESENTATIONS CONDUCTED

CME Courses

- Dec.16-20, 2006 **Diabetes**, JPA, Irbid, Jordan.
- May 5 – Jun. 2, 2007 **New trends in treating hypertension, Diabetes and heart diseases**, JPA, Irbid, Jordan.
- Jun. 6-27, 2009 **Cardiovascular diseases: pathophysiology and treatment**, JPA, Irbid, Jordan.

Workshops

- Nov. 15-17, 2006 **Drug Information Resources**, Amman, Jordan.
- Feb.11, 18, 25, 2006 **Drug Information Resources**, Consultative Center for Science and Technology, JUST.
- Dec. 19, 2009 **Drug Information Resources**, JPA, Amman, Jordan.
- Jan. 28, 2010 **Diabetes**, JPA, Irbid, Jordan.
- Feb. 20, 2010 **Clinical pharmacy**, Consultative Center for Science and Technology, JUST.
- May,8,15, 2010 **Clinical pharmacy**, Consultative Center for Science and Technology, JUST.
- November, 2011 **Clinical Pharmacy and Pharmaceutical Care**, JPA, Amman, Jordan.
- February, 2012 **Clinical Pharmacy and Pharmaceutical Care**, JPA, Irbid, Jordan.
- February, 2012 **Clinical cases in diabetes management**, JPA, Amman, Jordan.

Presentations

- Aug. 6, 2006 **Role of Clinical Pharmacy in Hospitals**, Jordan Pharmaceutical Association and Private Hospitals Association, Amman, Jordan.

- Feb. 26, 2006 **Pain Theory and Management**, as part of Maxi Course in Jordan, American Academy of Implant Dentistry, JUST.
- November, 2011 **Clinical pharmacy at KAUH, JPA, Amman, Jordan.**
- March, 2012 **Clinical pharmacy at KAUH, Jordan Hospital, Amman, Jordan.**

❖ **WORKSHOPS ATTENDED**

- Jul.10-13, 2006 **E-learning and WebCT:** offered by the Consultative Center for Science and Technology at the Jordan University of Science and Technology
- Nov. 20, 2011 **The National Strategy for the rationalization of health Expenditure on Medications**, Ministry of health, Amman, Jordan.
- Nov. 24, 2011 **Assessment and Management of Acute and Chronic Pain**, Faculty of nursing, JUST, Irbid, Jordan.
- Dec. 2011 **Clinical Investigation Training Program (CITP)**, at the Jordan Food and Drug Administration (JFDA), Amman, Jordan.
- May, 2015 **Informed Consent for research in Adults: Legal and Ethical Issues in Consent** at QUB, Belfast, UK.
- April, 2016 **Introduction to SPSS** at QUB, Belfast, UK.
- March, 2016 **Using Technology to Enhance Online Learning**, at QUB, Belfast, UK.

❖ **CONFERENCES AND SCIENTIFIC MEETINGS**

Attendant:

- Nov. 15, 2006 **Jordan International Pharmaceutical Conference**, Amman, Jordan
- Apr. 28, 2011 **Pharmacy Education: Perspective of Career Market.** Scientific day of the University of Jordan. Amman, Jordan
- Nov. 19-22, 2012 **6th International Conference of The Royal Medical Services.** Dead Sea, Jordan
- Nov. 21, 2012 **7th Pharmaceutical Scientific Day.** New Prospects in Pharmaceutical care. Dead Sea, Jordan

- Nov. 19, 2012 **1st Funded Research Conference Deanship of Research, JUST**
- Nov. 19-24,2017 **ASU Pharmacy Fourth Conference.** Recent Trends in Postgraduate Research.
IBRO-MENA advanced School in Neurodegenerative Disorders: Translation into Clinical Neurology , Irbid, JUST.
- Aug. 2-4, 2017 **International pharmacy conference Challenges vs Opportunities.** The 2nd International Conference on Ethics in Jordan: Clinical Trials. JUST, Jordan
- Poster:**
- Aug. 29- Sept. 1, 2007 **8th Congress of the European Association for Clinical Pharmacology and Therapeutics, Amsterdam, the Netherlands.** “Self-medication with antibiotics in Jordanian population”
- Mar. 29- 31, 2009 **Dubai International Pharmaceuticals and Technologies Conference and Exhibition, Dubai-UAE.** “The nephroprotective effects of Pioglitazone and Glibenclamide against Gentamicin-induced nephrotoxicity in rats: A comparative study”
- Aug. 28-31, 2013 **11th Congress of the European Association for Clinical Pharmacology and Therapeutics, Geneva, Switzerland.** “The Contribution of Platelet Glycoproteins (GPIa C807T and GPIba C-5T) and Cyclooxygenase 2 (COX-2 G--765C) Polymorphisms to Platelet Response in Patients Treated with Aspirin”
- Mar. 10-12, 2014 **Dubai International Pharmaceuticals and Technologies Conference and Exhibition, Dubai-UAE.** “Compliance with Safe Handling Guidelines of Antineoplastic Drugs in Jordanian Hospitals”
- Apr. 3-5, 2014 **15th Jordanian Pharmaceutical Conference. Amman, Jordan.** “The Prevalence And Factors Associated With Aspirin Resistance In Patients Premedicated With Aspirin
- Speaker:**
- Nov. 1- 3, 2007 **International Conference on Pharmacy Education and Practice (Pharmacy to Pharm.D), Damascus, Syria.** “Drug information resources”
- Jun. 26, 2009 **5th scientific day of Jordan Pharmaceutical Association, Irbid-Jordan.** “Importance of patient counseling”. **(Key speaker)**
- May,6, 2010 **Scientific day of Faculty of Pharmacy, Jordan University, Amman-Jordan. Recent Advances in Pharmaceutical Research in Jordan.**

- “Clinical pharmacy practice and education at JUST”. **(Invited speaker)**
- Dec. 1-2, 2010 **5th International Pharmacy Conference. Muscat, Oman.** “Pharmacy Practice, Passion, Performance and opportunities”. **(Invited Speaker)**
- Apr. 22, 2011 **2nd Scientific Day of Jordan Pharmaceutical Association, Alzarga-Jordan.** “Clinical cases in treatment of type 2 diabetes”
- Nov. 19, 2011 **5th Conference on Scientific Research in Jordan, Amman, Jordan.** “Clinical and genetic variants related to clopidogrel resistance”
- Apr. 28, 2012 **14th Pharmacy Conference, JPA, Amman, Jordan.** “New Technologies For Managing Diabetes Mellitus”
- Apr. 4, 2013 **6th Pharmacy Scientific Day, JUST, Irbid, Jordan.** “Clinical Pharmacy at KAUH”
- Apr. 3-5, 2014 **15th Jordanian Pharmaceutical Conference. Amman, Jordan.** “The Role of Clinical Pharmacist in Ambulatory Clinics”
- March 3, 2019 **Scientific day the first, Faculty of Pharmacy, Jadara University.** Telehealth and healthcare

Moderator:

- Jul. 1-2, 2010 Princess Basma Teaching Hospital, **The 1st International Medical and Dental Conference.** Irbid-Jordan
- July 3, 2018 The 3rd International Conference on Ethics in Jordan: Publication and Authorship. Irbid, Jordan.
- April. 25-26, 2019 **1st FIP Regional Conference,** “Envisioning the future together: Transforming pharmacy for better primary health care”. Amman, Jordan

Director:

- Apr. 21, 2011 **1st Scientific day in clinical pharmacy,** KAUH, Irbid, Jordan

❖ HONOR AND AWARDS:

-
- Jordan University of Science & Technology scholarship to pursue Doctor of Pharmacy and fellowship in clinical pharmacy from the University of Iowa, USA. (2003)
 - **Best poster award,** “Factors that contribute to clopidogrel resistance in cardiovascular disease patients: environmental and genetic approach. **Al-Azzam SI, et al**”. **The first funded research conference, Deanship of research, JUST, Irbid, Jordan 2012**

❖ COMMUNITY SERVICES AND ACTIVITIES:

- **An awareness campaign entitled “The proper use of antibiotics”:** I was the main contributor in conducting this awareness campaign at the university level. (March. 2007).
- **"الصيدلة معنا احلى" Campaign:** This activity is a part of the faculty campaign to raise awareness about the role of the Clinical Pharmacist to patient care. This activity was in the form of lectures, workshops, and open discussions to other Pharmacy, PharmD students. Faculty of Pharmacy, Jordan University of Science and Technology (October/2011- Present).
- Writing articles in Arabic language about Diabetes at “Alghad” newspaper. (January/2012-Present).
- **An awareness campaign entitled “Consult your Pharmacist”:** This a university level activity directed to the campus community where graduating level PharmD student were given the opportunity to provide pharmaceutical care advice to other students and employees at the university through several booths that are specialized in certain services such as diabetes care, smoking cessation, hypertension management, alternative and herbal medicine ETC.. The Medical buildings, Jordan University of Science and Technology (18-24-March-2012).
- **Consult Your Pharmacist: Toward Better Pharmaceutical Care:** This activity is a part of the faculty campaign to raise awareness about the role of the Clinical Pharmacist to patient care. This activity was in the form of a booth at the gallery associated with the conference. The 14th Jordanian Pharmacy Conference 26-28 April 2012 in Amman, Jordan.
- **Pharmaceutical Counseling Day:** A free pharmaceutical counseling and clinical pharmacy services day on June-23-2012, at Arabella Mall, Irbid, Jordan.
- Participated in a free medical day at Hartha High School, Hartha, Bani Kenanah, Irbid, Jordan (December 2012).
- Participated in a free medical day at Elzermal High School, Alkurah, Irbid, Jordan (May 2013).
- Participated in a free medical day at Alhusun Technical High School, Irbid, Jordan (May 2013).
- Conducted in a free medical week at Asarih primary health care center, Irbid, Jordan (May 2013).
- Conducted in a health awareness campaign on the occasion of World Diabetes Day at KAUH, 14 Nov 2013.

- **An awareness cancer campaign day:** I was the coordinator of committee who supervised conducting this awareness campaign at the university level. (May. 2014).

❖ **RESEARCH INTEREST**

- Clinical pharmacy and pharmacy practice
- Pharmacogenetics and drug resistance
- Pharmacoepidemiology

❖ **REVIEW AND RESEARCH EVALUATION SERVICES:**

Organizations:

- (2009) The Scientific Research Funds, Ministry of Higher Education and Scientific Research, Amman, Jordan
- (Jan. 12th, 2012) Participated in a Wikipedia study conducted for the Wikimedia Foundation by Oxford University and Epic (one of the UK's leading e-learning companies); in this study I made a detailed assessment of two pairs of articles from different encyclopedias, using an online assessment template. Each of these articles was carefully selected to be directly related to my field of academic expertise and research. These two studies have made an important contribution to determining a methodology for rigorous and unbiased assessment of the quality of Wikipedia content.

Scientific Journals

- Jordan Pharmaceutical Journal
- Saudi Medical Journal
- International Journal of Cardiology
- Journal of Infection and Public Health
- Human and Experimental Toxicology
- Pharmaceutical Biology
- International Journal of Pharmacy and Pharmacology
- J Infect Dev Ctries
- Pharmacy
- Cardiovascular Diabetology

❖ **PUBLICATIONS**

- Global research trends on Ramadan fasting from 2003 to 2018: A bibliometric analysis. Reema Karasneh, Sayer Al-Azzam, Sahar Hawamdeh. [under publication process]

- Patient Data Sharing Practices and Confidentiality from Researchers' Perspective in Jordan. Reema Karasneh, Sayer Al-Azzam, Karem Alzoubi, Sahar Hawamdeh, Suhaib Mufleh. [under publication process]
- Community-Based Cross-Sectional Study for Measuring Health Literacy in Jordan. Reema Karasneh, Sayer Al-Azzam, Lana Rababah, Suhaib Mufleh. [under publication process]
- Symptoms burden in hemodialysis patients. Reema Karasneh, Sayer Al-Azzam, Osama Alshogran, Shoroq Tawalbeh, Sahar Hawamdeh. [under publication process]
- The Effect of Long-Term Second-Generation Antipsychotics Use on the Metabolic Syndrome Parameters in Jordanian Population. Osama Abo Alrob , Sayer Alazzam , Karem Alzoubi , Mohammad B. Nusair , Haneen Amawi , Reema Karasneh , Abeer Rababa'h and Mohammad Nammas. *Medicina* 2019, 55, 320.
- Analysis of prevalence, risk factors, and potential costs of unnecessary drug therapy in patients with chronic diseases at the outpatient setting. Arabyat RM, Nusair MB, Al-Azzam SI, Alzoubi KH. *Expert Rev Pharmacoecon Outcomes Res.* 2019 Apr 25:1-8.
- Which drugs cause treatment-related problems? Analysis of 10,672 problems within the outpatient setting. Al-Taani GM, Al-Azzam SI, Alzoubi KH, Aldeyab MA. *Ther Clin Risk Manag.* 2018 Nov 16;14:2273-2281.
- Investigating the Effect of Demographics, Clinical Characteristics, and Polymorphism of MDR-1, CYP1A2, CYP3A4, and CYP3A5 on Clopidogrel Resistance. Al-Husein BA, Al-Azzam SI, Alzoubi KH, Khabour OF, Nusair MB, Alzayadeen S. *J Cardiovasc Pharmacol.* 2018 Dec;72(6):296-302.
- Vitamin B12 protects against DNA damage induced by hydrochlorothiazide. Alzoubi KH, Bayraktar E, Khabour O, Al-Azzam SI. *Saudi Pharm J.* 2018 Sep;26(6):786-789. doi: 10.1016/j.jsps.2018.04.005. Epub 2018 Apr 3.
- Quantifying the Hawthorne effect using overt and covert observation of hand hygiene at a tertiary care hospital in Saudi Arabia. El-Saed A, Noushad S, Tannous E, Abdirizak F, Arabi Y, Al Azzam S, Albanyan E, Al Jahdalil H, Al Sudairy R, Balkhy HH. *Am J Infect Control.* 2018 Aug;46(8):930-935.
- Possible involvement of ROS generation in vorinostat pretreatment induced enhancement of the antibacterial activity of ciprofloxacin. Masadeh MM, Alzoubi KH, Al- Azzam SI, Al-Buhairan AM. *Clin Pharmacol.* 2017 Oct 17;9:119-124..
- Effects of antirheumatic drug underutilization on rheumatoid arthritis disease activity. Alqudah MAY, Al-Azzam S, Alzoubi K, Alkhatatbeh M, Alawneh K, Alazzeah O, Ababneh B. *Inflammopharmacology.* 2017 Aug;25(4):431-438.
- Prediction of drug-related problems in diabetic outpatients in a number of hospitals, using a modeling approach. Al-Taani GM, Al-Azzam SI, Alzoubi KH, Darwish Elhajji FW, Scott MG, Alfahel H, Aldeyab MA. *Drug Healthc Patient Saf.* 2017 Jul 28;9:65-70.
- Evaluation of drug-prescribing patterns based on the WHO prescribing indicators at outpatient clinics of five hospitals in Jordan: a cross-sectional study. Al-Azayzih A, Al-Azzam SI, Alzoubi KH, Shawaqfeh M, Masadeh MM. *Int J Clin Pharmacol Ther.* 2017 May;55(5):425-432.
- Antibiotic prescribing for acute respiratory infections in children in Jordan. Ababneh MA, Al-Azzam SI, Ababneh R, Rababa'h AM, Demour SA. *Int Health.* 2017 Feb 24:1-7. doi: 10.1093/inthealth/ihx003. [Epub ahead of print]

- Hawthorn Herb Increases the Risk of Bleeding after Cardiac Surgery: An Evidence-Based Approach. Rababa'h AM, Altarabsheh SE, Haddad O, Deo SV, Obeidat Y, Al-Azzam S. *Heart Surg Forum*. 2016 Aug 22;19(4):E175-9.
- Vorinostat Pretreatment Enhanced Ciprofloxacin-Induced Antibacterial Activity. Majed M. Masadeh , Karem H. Alzoubi , Sayer I. Al-Azzam , Ahlam M. Al-buhairan. Posted: 13 August 2016.
- Evaluation of the types and frequency of drug-related problems and the association with gender in patients with chronic diseases attending a primary health care center in Jordan. Al-Azzam SI, Alzoubi KH, Alefan Q, Alzayadeen RN. *Int Health*. 2016 Nov;8(6):423-426.
- Overuse of proton pump inhibitors for stress ulcer prophylaxis in Jordan. Alqudah MA, Al-Azzam S, Alzoubi K, Alkhatatbeh M, Rawashdeh N. *Int J Clin Pharmacol Ther*. 2016 Aug;54(8):597-602.
- Adherence in outpatients taking warfarin and its effect on anticoagulation control in Jordan. Ababneh MA, Al-Azzam SI, Alzoubi KH, Rababa'h AM. *Int J Clin Pharm*. 2016 Aug;38(4):816-21.
- Ciprofloxacin-Induced Antibacterial Activity Is Attenuated by Pretreatment with Antioxidant Agents. Masadeh MM, Alzoubi KH, Al-Azzam SI, Khabour OF, Al-Buhairan AM. *Pathogens*. 2016 Mar 9;5(1).
- Drug-related problems in a sample of outpatients with chronic diseases: a cross-sectional study from Jordan. Al-Azzam SI, Alzoubi KH, AbuRuz S, Alefan Q. *Ther Clin Risk Manag*. 2016 Feb 17;12:233-9..
- Prevalence of non-adherence among psychiatric patients in Jordan, a cross sectional study. Mukattash TL, Alzoubi KH, Abu El-Rub E, Jarab AS, Al-Azzam SI, Khmour M, Shara M, Al Hamarneh YN. *Int J Pharm Pract*. 2016 May;24(3):217-21.
- Evaluation of the effect of angiotensin converting enzyme inhibitors and angiotensin receptors blockers on aspirin antiplatelet effect. Al-Azzam SI, Alzoubi KH, Khabour OF, Quttina M, Zayadeen R. *Int J Clin Pharmacol Ther*. 2016 Feb;54(2):96-101.
- Flouroquinolones-induced Antibacterial Activity Attenuation by Pretreatment with Vitamin B12. Masadeh M, Alzoubi KH, Al-Azzam S. *International Journal of Pharmacology* 01/2015; 11(1):67-71.
- Ciprofloxacin-Induced Antibacterial Activity Is Attenuated by Phosphodiesterase inhibitors. Masadeh M, Alzoubi KH, Khabour O, Al-Azzam S. *Current Therapeutic Research*. 12/2015;77:14-17.
- Granzyme B gene polymorphisms, colorectal cancer risk, and metastasis.
- Mhaidat NM, Al-azzam SI, Alzoubi KH, Khabour OF, Gharaibeh BF. *J Cancer Res Ther*. 2014 Jul-Sep;10(3):587-90.
- Depressive Symptoms and Clustering of Cardiovascular Disease Risk Factors in Diabetes Patients. Karasneh R, Al-Azzam S, Alzoubi K, Khader Y. *Int J Diabetes Dev Ctries*. DOI 10.1007/s13410-015-0382-4.
- Measuring quality of life among colorectal cancer patients in Jordan. Mhaidat NM, Al-Wedyan TJ, Alzoubi KH, Al-Efan QM, Al-Azzam SI, Balas QA, Bataineh ZA.
- *J Palliat Care*. 2014 Autumn;30(3):133-40
- The Associations of Polymorphisms of TSH receptor and Thyroid Hormone receptor genes with L-Thyroxine Treatment in Hypothyroid Patients. Al-Azzam S, Alzoubi K,

Khabour O, Al-Azzeh O. Hormones-International Journal of Endocrinology and Metabolism. 2014.

- The effect of leptin promoter and leptin receptor gene-polymorphisms on lipid profile among the diabetic population: modulations by atorvastatin treatment and environmental factors. Al-Azzam S, Alzoubi K, Khabour O, Alzayadeen RN. J Endocrinol Invest. 2014.
- Public awareness regarding children vaccination in Jordan. Masadeh MM, Alzoubi KH, Al-Azzam SI, Al-Agedi HS, Abu Rashid BE, Mukattash TL. Hum Vaccin Immunother. 2014;10(6):1-5.
- Metformin Eased Cognitive Impairment Induced by Chronic L-methionine Administration: Potential Role of Oxidative Stress. Alzoubi KH, Khabour OF, Al-Azzam SI, Tashtoush MH, Mhaidat NM. Curr Neuropharmacol. 2014;12(2):186-92.
- Cerium oxide and iron oxide nanoparticles abolish the antibacterial activity of ciprofloxacin against gram positive and gram negative biofilm bacteria. Masadeh MM, Karasneh GA, Al-Akhras MA, Albiss BA, Aljarah KM, Al-Azzam SI, Alzoubi KH. Cytotechnology. 2014.
- An audit on the knowledge, beliefs and attitudes about the uses and side-effects of antibiotics among outpatients attending 2 teaching hospitals in Jordan. Alzoubi K, Al-Azzam S, Alhusban A, Mukattash T, Al-Zubaidy S, Alomari N, Khader Y. East Mediterr Health J. 2013;19(5):478-84.
- The role of TNF- α G-308A promoter polymorphism in glycemic control in Type 2 diabetes patients. Al-Azzam SI, Khabour OF, Alzoubi KH, Ghanma MW, Alhasan AY. J Endocrinol Invest. 2014;37(2):113-8.
- The role of Multidrug Resistance-1 (MDR1) variants in response to atorvastatin among Jordanians. Alzoubi KH, Khabour OF, Al-Azzam SI, Mayyas F, Mhaidat NM. Cytotechnology. 2014.
- Compliance with safe handling guidelines of antineoplastic drugs in Jordanian hospitals. Al-Azzam SI, Awawdeh BT, Alzoubi KH, Khader YS, Alkafajei AM. J Oncol Pharm Pract. 2014 Jan 7.
- Atorvastatin treatment modulates the interaction between leptin and adiponectin, and the clinical parameters in patients with type II diabetes. Al-Azzam SI, Alkhateeb AM, Alzoubi KH, Alzayadeen RN, Ababneh MA, Khabour OF. Exp Ther Med. 2013;6(6):1565-1569.
- Sources of Information Used when Prescribing for Children, A Survey of Hospital Based Pediatricians. Mukattash TL, Nuseir KQ, Jarab AS, Alzoubi KH, Al-Azzam SI, Shara M. Curr Clin Pharmacol. 2013 Nov 11.
- Evaluation of vitamin B12 effects on DNA damage induced by paclitaxel. Alzoubi K, Khabour O, Khader M, Mhaidat N, Al-Azzam S. Drug Chem Toxicol. 2014;37(3): 276–280.
- Caffeine inhibits paclitaxel-induced apoptosis in colorectal cancer cells through the upregulation of Mcl-1 levels. Mhaidat NM, Alzoubi KH, Al-Azzam SI, Alsaad AA. Mol Med Rep. 2014;9(1):243-8.
- An audit on public awareness of depression symptoms in Jordan. Al-Azzam S, Alzoubi KH, Ayoub NM, Khader YS, Karasneh RA, Al-Husein BA, Al-Horani MA. Int J Occup Med Environ Health. 2013;26(4):1-10.

- The role of multidrug resistance-1 (MDR1) variants in response to fexofenadine among Jordanians. Alzoubi KH, Khabour OF, Al-Azzam SI, Mayyas F. *Int J Clin Pharmacol Ther.* 2013;51(11):880-7.
- Antimicrobial activity of common mouthwash solutions on multidrug-resistance bacterial biofilms. Masadeh MM, Gharaibeh SF, Alzoubi KH, Al-Azzam SI, Obeidat WM. *J Clin Med Res.* 2013;5(5):389-94.
- The effect of genetic polymorphisms of RARA gene on the adverse effects profile of isotretinoin-treated acne patients. Alzoubi KH, Khabour OF, Hassan RE, Qarqaz F, Al-Azzam S, Mhaidat N. *Int J Clin Pharmacol Ther.* 2013;51(8):631-40.
- The role of adiponectin gene variants in glycemic control in patients with Type 2 diabetes. Al-Azzam SI, Khabour OF, Alzoubi KH, Mukattash TL, Ghanma M, Saleh H. *Endocr Res.* 2014; 39(1): 13-17.
- Tempol prevents genotoxicity induced by vorinostat: role of oxidative DNA damage. Alzoubi KH, Khabour OF, Jaber AG, Al-Azzam SI, Mhaidat NM, Masadeh MM. *Cytotechnology.* 2013;66 (3): 449-455.
- The contribution of platelet glycoproteins (GPIa C807T and GPIb α C-5T) and cyclooxygenase 2 (COX-2G-765C) polymorphisms to platelet response in patients treated with aspirin. Al-Azzam SI, Alzoubi KH, Khabour OF, Tawalbeh D, Al-Azzeh O. *Gene.* 2013;526(2):118-21.
- Evaluation of the effect of pentoxifylline on sleep-deprivation induced memory impairment. Alzoubi KH, Khabour OF, Tashtoush NH, Al-Azzam SI, Mhaidat NM. *Hippocampus.* 2013;23(9):812-9.
- Frequency of MDR1 single nucleotide polymorphisms in a Jordanian population, including a novel variant. Khabour OF, Alzoubi KH, Al-Azzam SI, Mhaidat NM. *Genet Mol Res.* 2013;12(1):801-8.
- Awareness of patients who undergo cesarean section about venous thromboembolism prophylaxis. Alzoubi KH, Khassawneh BY, Obeidat B, Asfoor SS, Al-azzam SI. *J Vasc Nurs.* 2013;31(1):15-20.
- Flow cytometric analysis of antibiotics-induced growth inhibition of staphylococcus aureus and pseudomonas aeruginosa. Masadeh MM, Mhaidat NM, Alzoubi KH, Hayajneh WA, Al-azzam SI, Al-zubi MI. *IJIB.*2013;13(2) 88-92.
- Effect of statin therapy on vaspin levels in type 2 diabetic patients. Al-Azzam SI, Alzoubi KH, Abeeleh JA, Mhaidat NM, Abu-Abeeleh M. *Clin Pharmacol.* 2013;5:33-8.
- Implementation of clinical pharmacy services at a university hospital in Jordan. Al-azzam SI, Shara M, Alzoubi KH, Almahasneh FA, Iflaifel MH. *Int J Pharm Pract.* 2013; 21(5):337-40.
- Factors that contribute to clopidogrel resistance in cardiovascular disease patients: environmental and genetic approach. Al-Azzam SI, Alzoubi KH, Khabour OF, Nusair MB, Al-Hadidi H, Awidi A, Saleh A. *Int J Clin Pharmacol Ther.* 2013;51(3):179-86.
- The role of type II deiodinase polymorphisms in clinical management of hypothyroid patients treated with levothyroxine. Al-azzam SI, Alkhateeb AM, Al-Azzeh O, Alzoubi KH, Khabour OF. *Exp Clin Endocrinol Diabetes.* 2012;120:1-6.
- Public knowledge and awareness of cardiovascular disease and its risk factors: a cross-sectional study of 1000 Jordanians. Mukattash TL, Shara M, Jarab AS, Al-Azzam SI, Almaaytah A, Al Hamarneh YN. *Int J Pharm Pract.* 2012;20(6):367-76.

- Preoperative antibiotic prophylaxis practice and guideline adherence in Jordan: a multi-centre study in Jordanian hospitals. Al-Azzam SI, Alzoubi KH, Mhaidat NM, Haddadin RD, Masadeh MM, Tumah HN, Magableh A, Maraqa NK. *J Infect Dev Ctries*. 2012;6(10):715-20.
- Association of adiponectin with hypertension in type 2 diabetic patients: the gender effect. Khabour OF, Wehaibi SH, Al-Azzam SI, Alzoubi KH, El-Akawi ZJ. *Clin Exp Hypertens*. 2013;35(5):361-6.
- Genetic association of adiponectin with type 2 diabetes in Jordanian Arab population. Alkhateeb A, Al-Azzam S, Zyadine R, Abuarqoub D. *Gene*. 2013;512(1):61-3.
- The prevalence and factors associated with aspirin resistance in patients premedicated with aspirin. Al-Azzam SI, Alzoubi KH, Khabour O, Alowidi A, Tawalbeh D. *Acta Cardiol*. 2012;67(4):445-8.
- Evaluation of vitamin B12 effects on DNA damage induced by pioglitazone. Alzoubi K, Khabour O, Hussain N, Al-Azzam S, Mhaidat N. *Mutat Res*. 2012;748(1-2):48-51.
- Antibacterial activity of statins: a comparative study of atorvastatin, simvastatin, and rosuvastatin. Masadeh M, Mhaidat N, Alzoubi K, Al-Azzam S, Alnasser Z. *Ann Clin Microbiol Antimicrob*. 2012;11:13.
- Prevalence of Methicillin-resistant staphylococcus aureus (MRSA) at a Tertiary Hospital in North Jordan. Alzoubi KH, Hayajneh WA, Ayoub AM, Al-Safi SA, Al azzam SI, Mhaidat NM. *Jordan Journal of Pharmaceutical Sciences*. 2010; 3(1):37-43.
- Ciprofloxacin-induced antibacterial activity is reversed by vitamin E and vitamin C. Masadeh MM, Mhaidat NM, Alzoubi KH, Al-Azzam SI, Shaweesh AI. *Curr Microbiol*. 2012;64(5):457-62.
- Investigation of the antibacterial activity of pioglitazone. Masadeh MM, Mhaidat NM, Al-Azzam SI, Alzoubi KH. *Drug Des Devel Ther*. 2011;5:421-5.
- Effects of pioglitazone add-on to gliclazide and metformin on glycemic control in patients with type 2 diabetes. Al-Azzam SI, Alomari M, Khader YS, Almahasneh FA, Muflih SM, Altawalbeh S. *Endocr Res*. 2012;37(1):7-11.
- Knowledge, attitudes and current practice of Jordanian family physicians about prescribing aspirin in primary and secondary prevention of vascular diseases: a self-reported survey. Al Omari M, Khader Y, Al-azzam SI, Dauod AS, Khassawneh AH, Alomari N, Alzoubi KH. *Eur J Cardiovasc Nurs*. 2012;11(1):9-13.
- An assessment of extent of medications wastages among families in Jordan. Al-Azzam S, Yousef Saleh Khader, Saddam Rawashdeh, Saad Hijazi. *Jordan Journal of Pharmaceutical Sciences*. 2012; 5(1).
- No correlation exists between vitamin B12 and quality of life in healthy young adult population. Alazzam SI, Alzoubi KH, Al-Hambouth LT, Almahasneh F, Aburuz SM. *Eur Rev Med Pharmacol Sci*. 2011;15(10):1176-81.
- Prevalence of depression among relatives of cancer patients in Jordan: a cross-sectional survey. Mhaidat NM, Al-Sweedan SA, Alzoubi KH, Alazzam SI, Banihani MN, Yasin MO, Masadeh MM. *Palliat Support Care*. 2011;9(1):25-9.
- Prophylactic use of aspirin does not induce anaemia among adults. Al-Azzam SI, AlMahasneh F, Mhaidat N, Alzoubi KH, Khader YS. *J Clin Pharm Ther*. 2010;35(4):415-9.

- Smoking-cessation practice guidelines: awareness and implementation among medical teams. Alzoubi KH, Azab M, Khabour OF, Al-Shamaila AW, Ayoub NM, Al-Omiri MK, Al-Nasser AD, Mhaidat NM, Al-Azzam SI. *Int J Pharm Pract.* 2010;18(2):93-9.
- The nephroprotective effects of pioglitazone and glibenclamide against gentamicin-induced nephrotoxicity in rats: a comparative study. Al-Azzam SI, Abdul-Razzak KK, Jaradat MW. *J Chemother.* 2010;22(2):88-91.
- An audit of the precipitating factors for haemolytic crisis among glucose-6-phosphate dehydrogenase-deficient paediatric patients. Al-Azzam SI, Al-Ajlony MJ, Al-Khateeb T, Alzoubi KH, Mhaidat N, Ayoub A. *J Med Screen.* 2009;16(4):167-9.
- Awareness of bacterial resistance among physicians, pharmacists and nurses. Alzoubi K, Ayoub N, Al-Sakaji S, Al-Azzam S, Mhaidat N, Masadeh M. *Int J Occup Med Environ Health.* 2009;22(4):363-72.
- Prevalence of migraine and tension-type headache among adults in Jordan. Alzoubi KH, Mhaidat NM, Al azzam SI, Khader SY, Salem S, Issaifan H. Haddadin R. *The Journal of Headache and Pain.* 2009; 10(4):265-70.
- Etiologies of acute renal failure in a sample of hospitalized Jordanian patients. Al-Azzam SI, Al-Husein BA, Abu-Dahoud EY, Dawoud TH, Al-Momany EM. *Ren Fail.* 2008;30(4):373-6.
- Self-medication with antibiotics in Jordanian population. Al-Azzam SI, Al-Husein BA, Alzoubi F, Masadeh MM, Al-Horani MA. *Int J Occup Med Environ Health.* 2007;20(4):373-80.
- Comparison of the pharmacokinetics of moxidectin and ivermectin after oral administration to beagle dogs. Al-Azzam SI, Fleckenstein L, Cheng KJ, Dzimianski MT, McCall JW. *Biopharm Drug Dispos.* 2007;28(8):431-8.
- Etiologies of chronic renal failure in Jordanian population. Al-Azzam SI, Abu-Dahoud EY, El-Khatib HA, Dawoud TH, Al-Husein BA. *J Nephrol.* 2007;20(3):336-9.
- Awareness of physicians in Jordan about the treatment of high blood pressure according to the seventh report of the Joint National Committee (JNC VII). Al-Azzam SI, Najjar RB, Khader YS. *Eur J Cardiovasc Nurs.* 2007;6(3):223-32.

❖ ONGOING RESEARCH

- Trends in maternal characteristics, and maternal and neonatal outcomes of women with gestational diabetes
- Assessment of existing mobile phone apps to period tracker
- Assessment of existing mobile phone apps to sleep tracker
- Perception and barriers towards mobile health applications use among general population and healthcare professionals
- H-Pylori and autoimmune diseases

❖ FUNDED RESEARCH

Completed projects

1. James McElnay, Michael Scott, **Sayer Al-Azzam**. GP practice based pharmacist input to medicines optimization. Clinical and Practice Research Group, School of Pharmacy, Queen's University Belfast. 2016-2017
2. James McElnay, Michael Scott, **Sayer Al-Azzam**. An IT enhanced approach to assist with managing medicines in primary care patients – a feasibility study. Queen's University Belfast, School of Pharmacy. 2015.
3. James McElnay, **Sayer Al-Azzam**, Mike Clarke, Carmel Hughes, Ashley Agus, Evie Gardner, Dermot O'Reilly, Nigel Hart, Alan Ferrett, Judith Cole, Verity Faith, Jason Wilson. Evaluation of past and present implementation of Telemonitoring NI. Clinical and Practice Research Group, School of Pharmacy, Queen's University Belfast. 2015-2016.
4. James McElnay, **Sayer Al-Azzam**, Hala Obedi. Evaluation of past and present implementation of Telemonitoring NI: Telecare component. Clinical and Practice Research Group, School of Pharmacy, Queen's University Belfast. 2015-2016.
5. Kathleen Bennett, **Sayer Al-Azzam**. "Antidiabetic medications and drug-drug interactions" as part of RESCAP-MED Fellowship (a project to build research capacity for public health in countries around the eastern and southern Mediterranean), conducted at Trinity College Dublin. September, 2014.
6. Karem Alzoubi (PI), Omar Khabour (Co-I), **Sayer Al azzam (Co-I)** 2009-2013 "Developing a model for Pharmacogenetic studies in Jordan" Sponsor/Agency: The Scientific Research Support Funds, Ministry of Higher Education and Scientific Research, Amman, Jordan. **Amount: \$173,000**
7. **Sayer Al-azzam (PI)**, Karem Alzoubi (Co-I), Salah Abu Ruz (Co-I), Qais Alefan (Co-I) 2012-2015 " Developing a Model for rationale drug use in Jordan" Sponsor/Agency: The Scientific Research Support Funds, Ministry of Higher Education and Scientific Research, Amman, Jordan. **Amount: \$174,000**
8. **Al-Azzam SI**, Alzoubi KH, Khaldon Alawneh, Ola Alazze. "Evaluation of side effects and efficacy of medications used to treat rheumatoid arthritis". **Amount: \$9,100.**
9. **Al-Azzam SI**, Alzoubi KH, Meera Ababneh. "Pharmacist's role in the prevention of medication errors in outpatient pharmacy". **Amount: \$6,800.**
10. **Al-Azzam SI**, Alzoubi KH , Rababah A.. "Prescription trends in outpatient hospital pharmacy in Jordan". **Amount: \$4000.**
11. **Sayer Al-Azzam**, Khalid Alani, Mohammad Jaradat. "The nephroprotective effects of oral hypoglycemic agents against gentamicin-induced nephrotoxicity in rats: A comparative study." **Amount: \$5,250.**

12. **Alazzam SI**, Alzoubi KH, Al-Hambouth LT, Almahasneh F, Aburuz SM. “Correlation between vitamin B12 levels and quality of life among healthy university students in Jordan”. **Amount: \$14,200.**
13. **Al-Azzam SI**, Khabour OF, Alzoubi KH, Mukattash TL, Ghanma M, Saleh H. “The role of genetic polymorphism of leptin receptor on clinical outcomes of metformin in patients with type 2 diabetes”. **Amount: \$13,460.**
14. **Al-Azzam SI**, Alzoubi KH, Khabour O, Alowidi A, Tawalbeh D. “Factors associated with aspirin resistance in patients premedicated with aspirin”. **Amount: \$11,350.**
15. **Al-Azzam SI**, Alzoubi KH, Abeeleh JA, Mhaidat NM, Abu-Abeeleh M. “Effects of simvastatin therapy on selected novel adipocytokines in type 2 diabetic patients”. **Amount: \$11,650.**
16. **Al-Azzam SI**, Alkhateeb AM, Alzoubi KH, Alzayadeen RN, Ababneh MA, Khabour OF. “Effect of Statins on the Leptin-to-Adiponectin ratio in type II diabetic patients”. **Amount: \$14,200.**
17. **Al-Azzam SI**, Alzoubi KH, Khabour OF, Nusair MB, Al-Hadidi H, Awidi A, Saleh A. “Clinical and Genetic Variants related to Clopidogrel resistance”. **Amount: \$14,200.**
18. **Al-azzam SI**, Alkhateeb AM, Al-Azzeh O, Alzoubi KH, Khabour OF. “The Role of Type II Deiodinase Polymorphisms in Clinical Management of Hypothyroid Patients treated with levothyroxine”. **Amount: \$12,050.**
19. **Al-Azzam SI**, Alzoubi KH, Khabour OF, Nusair MB, Al-Hadidi H, Awidi A, Saleh A. “Implications of gene polymorphism in the Cytochrome P450 in Clopidogrel resistance”. **Amount: \$13,200.**
20. **Al-Azzam SI**, Alzoubi KH, Khabour OF, Arwa Byrqadar. “Evaluation of vitamin B12 effects on DNA damage induced by hydrochlorothiazide”. **Amount: \$7,100.**