

RAWAND A. KHASAWNEH, PHARMD
Clinical Pharmacy Specialist, Critical Care
Clinical Pharmacy Fellowship in Infectious Diseases

Phone: +962-7201000, ext. 23847

Cell Phone: +962797909135

rakhasawneh@just.edu.jo

EDUCATION

- 2013- 2014 Clinical Pharmacy fellowship in Infectious Diseases
University of Iowa Hospitals and Clinics - Iowa City, Iowa
- 2012-2013 PGY2- Critical Care Specialized Pharmacy Residency
University of Iowa Hospitals and Clinics - Iowa City, Iowa
- 2011-2012 PGY1- Acute Care Pharmacy Residency
University of Iowa Hospitals and Clinics - Iowa City, Iowa
- 2003- 2009 Doctor of Pharmacy
Jordan University of Science and Technology College of Pharmacy –
Irbid, Jordan

CERTIFICATION AND LICENSURE

- 2011-Present Iowa Pharmacy License
- 2011-2013 Cardiopulmonary Resuscitation Certification
- 2016-2020 Fundamental Critical Care Support Provider

PROFESSIONAL AND ACADEMIC POSITIONS

Assistant Dean September 2022-Present
Deanship of Academic Development and Quality Assurance, Jordan University of
Science and Technology
Irbid, Jordan

Associate Professor September 2022-Present
College of Pharmacy, Jordan University of Science and Technology- Irbid,
Jordan

Assistant Dean September 2021-September 2022
College of Pharmacy, Jordan University of Science and Technology

Irbid, Jordan

Assistant Professor February 2015-September 2022
College of Pharmacy, Jordan University of Science and Technology- Irbid,
Jordan

Clinical Pharmacy Fellow, Infectious Disease November 2013-November 2014
Department of Pharmaceutical Care
University of Iowa Hospitals and Clinics - Iowa City, Iowa

Instructor and Teaching Assistant

Jordan University of Science and Technology-
College of Pharmacy – Irbid, Jordan

June 2009-October 2010

Retail Pharmacist

Izzat Pharmacy - Eastern Irbid District- Irbid, Jordan

June 2009 – September 2010

Pharmacy Intern

University of Iowa Hospitals and Clinics –
Iowa City, Iowa

January 2011 – August 2011

Volunteer Experience

Mobile Clinic Pharmacist Volunteer/ Coralville, IA

April, 2012

Pharmacy Volunteer

King Abdullah university Hospital – Irbid, Jordan

June 2008 – June 2009

HONORS

- **Scholarship Honors Certificate** – 2010, 2011, 2012, 2013, 2104
- **Dean's/Honor's List Jordan University of Science and Technology** – 2006, 2007, 2008,2009

TEACHING EXPERIENCE

- **Assistant Professor: Jordan University of Science and Technology –College of Pharmacy**
 - Fall 2014, Spring 2014, Fall 2015, Spring 2015, Fall 2016, Spring 2016, Fall 2017, Spring 2017, Fall 2018, Spring 2018, Fall 2019, Spring 2019, Fall 2020, Spring 2020, Fall 2021, Spring 2021
 - Courses Taught:
 - **Graduate Level Courses:** Research Methodology, Advanced Therapeutics, Foundations of Clinical Pharmacy
 - **Undergraduate Level Courses:** Comprehensive Therapeutics, Drug Information Resources, Cardiovascular System Pharmacotherapy, Therapeutics 2
- **Pain management Rotation Supervisor of Graduate PharmD students**
 - Summer 2021
 - **Practice Site:** King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Critical Care Clinical Pharmacy Rotation Supervisor of Graduate PharmD**

students

- Fall 2014, Spring 2014, Fall 2015, Spring 2015, Fall 2016, Fall 2017, Fall 2018, Spring 2018, Fall 2019, Spring 2019, Fall 2020, Spring 2020, Fall 2021, Spring 2021, Summer 2021
- **Practice Site** : King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Surgery Rotation Supervisor of Graduate PharmD students**
 - Fall 2017, Fall 2018
 - **Practice Site** : King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Hospital Pharmacy Rotation Supervisor of Graduate PharmD students**
 - Fall 2015
 - **Practice Site** : King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Outpatient clinics Rotation Supervisor of Graduate PharmD students**
 - Fall 2020, Spring 2020
 - **Practice Site** : King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Drug Information Center Rotation Supervisor of Graduate PharmD students**
 - Spring 2015
 - **Practice Site** : King Abdullah University Hospital- Jordan University of Science and Technology, Irbid-Jordan
- **Pharmaceutical Research Rotation Supervisor/Instructor of Graduate PharmD students**
 - Spring 2020
 - **Practice Site** : Jordan University of Science and Technology, Irbid-Jordan
- **Evaluator: Jordan University of Science and Technology- College of Pharmacy Undergraduate Pharmacy Students**
 - Evaluator of OTC course poster competition – Spring 2018, Spring 2019, Spring 2020, Spring 2021.
- **Evaluator: Jordan University of Science and Technology- College of Pharmacy Graduate Student Clerkship Clinical Experience**
 - Evaluator of Clinical Sessions – Spring 2014, Spring 2015
- **Facilitator: University of Iowa College of Pharmacy -Clinical Practice Skills III**
 - Spring 2013
- **Evaluator: - University of Iowa College of Pharmacy Drug Literature Review**

Session Assessment Day

- Evaluator of Group Presentation Session – Fall 2013, Fall 2014
- **Evaluator: University of Iowa College of Pharmacy Introductory Pharmacy Practice Experience 3**
 - Evaluator of Student Case Presentation Session – Spring 2013
- **Preceptor: Jordan University of Science and Technology College of Pharmacy- Pharm D. Candidates Class of 2010**
 - Preceptor of Clinical Clerkship Experience for Doctor of Pharmacy students during their Critical Care rotation – Summer 2009
- **Evaluator: Jordan University of Science and Technology College of Pharmacy Graduate Student Clerkship Clinical Experience**
 - Evaluator of Clinical Sessions – Summer 2009
- **Examiner: Zarqa University College of Pharmacy, Pharmacy Training Objective Structured Clinical Examination (OSCE), Zarqa- Jordan.**
 - Examiner of sessions – Summer 2020

ACADEMIC SUPERVISION AND THESIS COMMITTEE MEMBERSHIP

MAIN ADVISOR

Mu'min Billah Shdaifat, (MSc in Clinical Pharmacy, 2019)

Lara Mansour Alnatour. (MSc in Public Health, 2021)

Ekram Rawabdeh. (MSc in Public Health, 2023)

Rawan Massad (MSc in Public Health, Current student)

Duaa Horani (MSc in Healthcare management, 2023)

CO-ADVISOR

Eman Mistarihi, (MSc in Clinical Pharmacy, 2021)

INTERNAL EXAMINER

1. Tasneem Musbah, (MSc in Clinical Pharmacy, 2020)
2. Areej Al-Hosban, (MSc in Clinical Pharmacy, 2020)
3. Yasmeen Abu-Jwaid (MSc in Forensic Toxicology, 2021)
4. Eman Yousef Bani Omar (MSc in Clinical Pharmacy, 2021)
5. Rand Ghaleb Al Mbaidin (MSc in Forensic Toxicology, 2021)
6. Tuqa Alzoubi (MSc in Clinical Pharmacy, 2021)

PROFESSIONAL SERVICE

- **Reviewer at the following journals:** PLOS one, Journal of Pharmacy Practice (JPP), The Journal Infection and Drug Resistance, Jordan Journal of Pharmaceutical Sciences (JJPS), Health Services Management Research (HSMR) , BMC Health Services Research.
- **Organizer and Moderator:** “Distance Training in the COVID-19 Era: Community Pharmacies’ Training: Challenges and Solutions”, LIVE webinar. June, 2021.
- **Lecturer at Training of Trainers (ToT) program:** “Professional competence: Clinical Skills,” College of Pharmacy, Jordan University of Science and Technology, Irbid-Jordan. December, 2019.

PUBLICATIONS AND PROJECTS

Peer-Reviewed Publications

1. Altawalbeh SM, Almestarihi EM, **Khasawneh RA**, Momany SM, Ababneh MA, Shawaqfeh MS. Clinical and economic outcomes associated with intravenous albumin fluid use in the intensive care unit: a retrospective cohort study. *Expert Rev Pharmacoecon Outcomes Res.* 2023 May 22:1-8. doi: 10.1080/14737167.2023.2215431.
2. Mohammad B. Nusair, **Rawand Khasawneh**, Sayer Al-Azzam, Tala Shuqairat, Zaid M. Khair, Rasha Arabyat (2022) Attitudes towards adherence and deprescribing among polypharmacy patients: a cross-sectional study. *Journal of Pharmaceutical Health Services Research*, 2022, rmac028. DOI: 10.1093/jphsr/rmac028
3. Mohammad B. Nusair, Rasha Arabyat, **Rawand Khasawneh**, Sayer Al-azzam, Amal T. Nusir & Mohammad Y. Alhayek (2022) Assessment of the relationship between COVID-19 risk perception and vaccine acceptance: a cross-sectional study in Jordan, *Human Vaccines & Immunotherapeutics*, 18:1, 2017734, DOI: 10.1080/21645515.2021.2017734
4. Samah F Al-shatnawi ,**Rawand A Khasawneh**. Emergency Research Status in the Middle Eastern Region: A Review of Literature. *Jordan Journal of pharmaceutical sciences* 2021. Accepted for publication.

5. Samah F Al-shatnawi, Karem H Alzoubi ,**Rawand A Khasawneh**, Omar F Khabour, Basima A Almomani. Exception from informed consent for biomedical research in emergency settings: A study from Jordan. Heliyon 2021;00: e08487. <https://doi.org/10.1016/j.heliyon.2021.e08487>

6. **Khasawneh RA**, Nusair MB, Arabyat RM, Karasneh RA, Al-Azzam S (2021).The Association Between eHealth Literacy and Willingness to Deprescribe Among Patients with Chronic Diseases: A Cross-Sectional Study from Jordan. *Telemedicine and eHealth* .Accepted for Publication.
7. Khasawneh, R.A., Mohaidat, Z.M., **Khasawneh, R.A.** et al. Unusual intramuscular locations as a first presentation of hydatid cyst disease in children: a report of two cases. *BMC Pediatr* 21, 371 (2021).
<https://doi.org/10.1186/s12887-021-02843-5>
8. Al-Shatnawi, SF, AL-Hosban, SY, Altawalbeh, SM, **Khasawneh, RA.** Antibiotic prescribing patterns for childhood infections in ambulatory settings in Jordan. *Int J Clin Pract.* 2021; 00:e14740. <https://doi.org/10.1111/ijcp.14740>
9. Alsulaiman, J.W., Kheirallah, K.A., Ajlony, M.-J., Al-Tamimi, T., **Khasawneh, R.A.** and Al-Natour, L. (2021), Pediatric Asthma Exacerbation Admissions and Stringency of Non-Pharmaceutical Interventions; Results from a Developing Country. *Int J Clin Pract.* Accepted Author Manuscript e14423.
<https://doi.org/10.1111/ijcp.14423>
10. Mu'min Billah M. Shdaifat, **Rawand A. Khasawneh** & Qais Alefan (2021) Clinical and economic impact of telemedicine in the management of pediatric asthma in Jordan: a pharmacist-led intervention, *Journal of Asthma*, DOI: [10.1080/02770903.2021.1924774](https://doi.org/10.1080/02770903.2021.1924774)
11. **Rawand A Khasawneh**, Mera A Ababneh, Sayer I Al-Azzam, Antimicrobial stewardship programs: perceptions and practices among Jordanian healthcare practitioners, *Journal of Pharmaceutical Health Services Research*, 2021;, rmaa034, <https://doi.org/10.1093/jphsr/rmaa034>
12. Almomani BA, **Khasawneh RA**, Saqan R, Alnajjar MS, Al-Natour L (2020) Predictive utility of prior positive urine culture of extended- spectrum β -lactamase producing strains. *PLoS ONE* 15(12): e0243741. <https://doi.org/10.1371/journal.pone.0243741>

Internal Publications

- **Khasawneh RA**, Johnson SJ, Karkow D. "Antibiotics Dosing in Obese Patients". University of Iowa Hospitals and Clinics. Iowa City, IA. September 2014 .
- **Khasawneh R**, Oltrogge K. "Continuous=CONTINUOUS!". Burn unit Hot News Flashes. University of Iowa Hospitals and Clinics. Iowa City, IA. May 2013.

PRESENTATIONS

Professional Poster Presentations

Johnson S, Polgreen P, **Khasawneh R**. *Clostridium difficile*; case-control study. Presented at the 47th ASHP Midyear Clinical Meeting. Las Vegas, NV. December 2012.

Scientific Meetings and Conferences

1. "The First scientific day of Pharmaceutical sciences at Hashemite University". Zarqa, Jordan. June, 2022.
2. "Regional IPE network First Meeting". Virtual Meeting. October, 2021.
3. "The Role of Pharmacist in the Management of Type -2 Asthma & Co-existing Inflammatory Diseases". The 19th IVPN-AR. Virtual Meeting. June, 2021.
4. "COVID-19: Multidimensional updates". The 5th scientific day hosted by Philadelphia University, Amman, Jordan. Virtual meeting. May, 2021.
5. "COVID-19: Drugs and Vaccines update". Virtual meeting. March, 2021.
6. The 5th international Conference on Research Ethics in the MENA. Virtual conference. November, 2020.
7. IBRO-MENA Advanced School in Neurodegenerative Disorders: Translation into Clinical Neurology, Irbid, Jordan. November, 2017.
8. " First East Mediterranean Summit on Tobacco Dependence Treatment", Amman, Jordan. November 2017.
9. "Critical Care Conference". Amman, Jordan. April 2016.
10. "47th ASHP Midyear Clinical Meeting and Exhibition". Las Vegas, NV. December 2012.
11. "Medical Students Meeting". Kuwait City, Kuwait. February 2008.

Workshops

1. **“Designing a comprehensive preceptor development programme”** Presented by ACPE. Virtual workshop. May, 2022.
2. **“Training preceptors for excellence”**. Presented by ACPE. Virtual workshop. June, 2022.
3. **“National Pharmacovigilance Programme: Strengthening and Capacity Building”** Presented by WHO and JFDA. King Abdullah University Hospital, June 14, 2022, Irbid-Jordan.
4. **“Designing your Blended Learning Course”**, Presented by: Dr. Mohammad Al-Smadi, Director of the Center for e-Learning and OER Jordan University of Science and Technology, 30/9/2021, Irbid-Jordan.
5. **“Statistical analysis using SPSS”**, Presented by: Dr. Mahmmoud Smadi, Associate professor of Mathematics and Statistics/ Jordan University of Science and Technology, 14-15/2/2021, Irbid-Jordan.
6. **“Basics of Distance Education”**, Presented by: Qais Marji, Lecturer at College of Computer and Information Technology/ Jordan University of Science and Technology; 10-11/2/2021, Irbid-Jordan.
7. **“How to Publish in High Impact Journals”**, Presented by: Wesam Abu Saif, Regional Director- Middle East and North Africa/ Royal Society of Chemistry; May, 6th, 2015, Irbid-Jordan.
8. **“Enhancing Scientific Communication Skills”**, Presented by: Prof Nabil Hailat, Prof. Corrie Brown, Prof. Charles Dodd , Lisa Dodd (MS Education); May, 12-13, 2015, Irbid-Jordan.
9. **“Principles of First Aid”**, Presented by: Raed Al-Zoubi, Certified Major/Irbid Police Department ; November 12-15, 2016, Irbid-Jordan.
10. **“ Fundamental Critical Care Support (FCCS)”**; Accredited by Society of Critical Care Medicine. Amman, Jordan; April, 25-26, 2016.

Scientific Presentations

- **“Tackling antimicrobial resistance”**, Guest speaker at CME lecture-series hosted by JPA. March, 2022.
- **“Antimicrobial resistance: A theoretical point of view”**, Guest Speaker at: Use Wisely, Take Precisely “: AMR session. Organized by the “International Federation

of Medical Students' Associations – Jordan/ JUST-Local Committee. February 2021.

- **“Professional Competence”, Guest Speaker** as part of Training of Trainers (ToT) program of Clinical Clerkship preceptors/Clinical Pharmacy Department at Jordan University of Science and Technology, Irbid-Jordan. December, 2019.
- **“Extracorporeal Membrane Oxygenation; Focus on Neonates”**. Neonatal Division Pharmacists Teaching Discussion, University of Iowa Hospitals and Clinics. Iowa City, IA. November 2013.
- **“Understanding Vasopressors”**. Neonatal Division Medical Residents/Students Teaching Discussion, University of Iowa Hospitals and Clinics. Iowa City, IA. October 2013.
- **“An Update to the 2008 Surviving Sepsis Campaign Guidelines”**. Surgical and Neuroscience Intensive Care Unit- Pharmacists Teaching Discussion, University of Iowa Hospitals and Clinics. Iowa City, IA. March 2013.
- **“Persistent Pulmonary Hypertension of the Newborn”**. Neonatal Division Medical Residents/Students Teaching Discussion, University of Iowa Hospitals and Clinics. Iowa City, IA. January 2013.
- **“Effect of Carbamazepine on Anticoagulation Control in patients with Trigeminal Neuralgia”**. University of Iowa Hospitals and Clinics. Iowa City, IA. May 2012.
- **“Valproic Acid Overdose Treatment Options”**. University of Iowa Hospitals and Clinics. Iowa City, IA. May 2012.

Research Interests and Current Projects

Research Projects

- Johnson S, Polgreen P, **Khasawneh R**. *Clostridium difficile*; case-control study.
 - **Purpose of Project**: Case-control study regarding *Clostridium Difficile* Infection focused on assessing specific infection risk factors at University of Iowa Hospitals and Clinics.
- Nickel EJ, **Khasawneh RA**. “ Antithrombin III use in the Surgical and Neuroscience Intensive Care Unit”. University of Iowa Hospitals and Clinics. Iowa City, IA. March 2013.

Ongoing Research Projects and Interests

- Antimicrobial Stewardship programs
- Interprofessional Education
- COVID-19 pandemic
- Approaches to limit the development of resistance against antibiotics
- EHealth literacy
- Deprescribing

Participation in Professional Organizations and Committees

Memberships

2011-2014 **Iowa Pharmacy Association (IPA)**
 2009-present **Jordanian Pharmacy Association (JPA)**

- Member of Clinical training committee at Clinical Pharmacy Department/ Jordan University of Science and Technology, Irbid, Jordan.
- Member of Master of Clinical Pharmacy-Clinical Pharmacy Track Committee at Clinical Pharmacy Department/ Jordan University of Science and Technology, Irbid, Jordan.
- Member of Distance Education committee at Clinical Pharmacy Department/ Jordan University of Science and Technology, Irbid, Jordan.
- Member of Distance Exam Evaluation committee at Clinical Pharmacy Department/ Jordan University of Science and Technology, Irbid, Jordan.
- Member of the regional Interprofessional network at Qatar University.
- Member of the Quality assurance and accreditation committee at Faculty of Pharmacy at Jordan University of science and technology.