

Sana'a A. Jaber

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سنا أحمد جبر

عمان-الأردن
جامعة جرش

EDUCATION

MSc in clinical pharmacy | Jordan University of Science and Technology (JUST) | Aug 2020
Thesis title: **The Effect of Acute and Chronic Renal Failure on Doxepin Pharmacokinetics and Pharmacodynamics.**

BA in pharmacy | Jordan University of Science and Technology | June 2015.

ماجستير في الصيدلة السريرية | جامعة العلوم والتكنولوجيا الأردنية 2020
عنوان الرسالة: تأثير الهبوط الحاد والمزمن في وظائف الكلى على حركية وديناميكية دواء دوكسبين.
بكالوريوس في الصيدلة | جامعة العلوم والتكنولوجيا الأردنية 2015

PROFESSIONAL EMPLOYMENTS

- **Faculty member at Jerash Private University**

Biopharmaceutics and Pharmacokinetics

Clinical Nutrition

Public Health

Clinical Pharmacy and Therapeutics (CVS and CNS)

- **Coordinator of Research Ethics Education program in Jordan**

- **Medical writer at Aljazeera.net**

- **Staff pharmacist at Al-Raqeem pharmacy**

PUBLICATIONS

Al-Delaimy WK, Alzoubi K, Khabour O, **Jaber S**. Research Ethics Education Program in Jordan: Achievements and Challenges. *Journal of Empirical Research on Human Research Ethics*. 2025;0(0). doi:[10.1177/15562646251331757](https://doi.org/10.1177/15562646251331757)

Aref L. Zayed, Aysheh M. Alshekhossin, Omar M. Al Kilani, **Sana'a A. Jaber**, Leen L. Dawood, Jomana Al. Hroot, Kawthar Z. Alzarani, Rapid and sensitive HPLC with fluorescence detection method for quantifying selpercatinib in liver microsomes and rat plasma: Implications for drug-drug interaction studies, *Journal of Chromatography B*, 2025, 124542, ISSN 1570-0232, <https://doi.org/10.1016/j.jchromb.2025.124542>.

Sana'a, A. Jaber, Hisham E. Hasan, Karem H. Alzoubi, and Omar F. Khabour. "Knowledge, Attitude, and Perceptions of MENA Researchers Towards the Use of ChatGPT in Research: A Cross-Sectional Study." *Heliyon* (2024).

Abu al-rub B, Khatib SY, Alazzam NZ, **Jaber SA**, SM I, Mokhadder AA, Dweekat O. Blood Level of Alpha-1 Antitrypsin in the Course of Acute Myocardial Infarction. *Cardiac*. 2024 Nov 9;4(1):1-1.

Alquraan, Laiali T., Karem H. Alzoubi, **Sanaa Jaber**, Omar F. Khabour, Bahaa Al-Trad, Aseel Al-Shwaheen, Ghada Alomari, Suzie Y. Rababa'h, and Majed M. Masadeh. "Edaravone's reno-protective effects against chronic heat-stress exposure." *Naunyn-Schmiedeberg's Archives of Pharmacology* (2024): 1-9.

Aref L. Zayed, Mohammad Hadieh, Jomana Al Hroot, Fatima Hameedat, **Sana'a A. Jaber**, Development of a Rapid HPLC-Fluorescence Method for Monitoring Warfarin Metabolites Formation: In-vitro Studies for Evaluating the Effect of Piperine on Warfarin Metabolism and Plasma Coagulation, *Heliyon*, 2024, e31266, ISSN 2405-8440, <https://doi.org/10.1016/j.heliyon.2024.e31266>.

Aref L. Zayed, Ghuroob N. Hamadneh, Jomana Al Hroot, Abdulraouf Mayyas, **Sana'a A. Jaber**, Nidal A. Qinna, HPLC Methods for Studying Pharmacokinetics of Tivozanib and in Vitro Metabolic Interaction with Dexamethasone in Rat, Journal of Pharmaceutical and Biomedical Analysis, 2023, 115423, ISSN 0731-7085, <https://doi.org/10.1016/j.jpba.2023.115423>.

Zayed A, **Jaber SA**, Al Hroot J, Hawamdeh S, Ayoub NM, Qinna NA. HPLC with Fluorescence and Photodiode Array Detection for Quantifying Capmatinib in Biological Samples: Application to In Vivo and In Vitro Studies. Molecules. 2022; 27(23):8582. <https://doi.org/10.3390/molecules27238582>

Alsmadi MM, Al-Daoud NM, Jaradat MM, Alzughoul SB, Abu Kwiak AD, Abu Laila SS, Abu Shameh AJ, Alhazabreh MK, **Jaber SA**, Abu Kassab HT. Physiologically-based pharmacokinetic model for alectinib, ruxolitinib, and panobinostat in the presence of cancer, renal impairment, and hepatic impairment. Biopharm Drug Dispos. 2021 Jun;42(6):263-284. DOI: 10.1002/bdd.2282.

Conferences and Scientific Symposia

Sana'a A. Jaber, Hisham E. Hasan, Karem H. Alzoubi, Omar F. Khabour. Knowledge, Attitude, and Perceptions of MENA Researchers Towards the Use of ChatGPT in Research: A Cross-Sectional Study. the 9th International Conference on Ethics in the MENA: Artificial Intelligence Applied to Health and Ethics. Dec 10-11, 2024. University of Monastir, Tunisia.

Technical research experience

- **Pharmacokinetics:** In-vivo studies, in-vitro studies using rats' liver microsomes, analysis and interpretation of experimental results using PK-Solver, PBPK modelling using PK-Sim.
- **Chromatography:** HPLC method development and validation using HPLC-UV/FID, extraction method optimization, HPLC troubleshooting and Flash chromatography.
- **Behavioral analysis and Animal handling:** Radial arm water maze, open field test, elevated plus maze, tail suspension test, induction of kidney failure, heat stress and circadian rhythm disturbances.

RESEARCH EXPERIENCES:

- Studying the protective effect of neuroprotective drugs and nutritional interventions against memory impairment induced by several models (ongoing projects).
- Development and validation of HPLC methods-UV/FLD for recently approved anticancer agents using a different matrix with pharmacokinetics applications (in-vitro and in-vivo).
- The effect of kidney failure on doxepin pharmacokinetics and pharmacodynamics (in-vivo and in-silico).
- Therapeutic drug monitoring in Jordan.
- Educational pharmaceutical pictogram for improving inhaler techniques in patients with asthma.

PROGRAMS AND SKILLS

PK-Sim, PK solver, Microsoft Office, Prism, SPSS, Animal handling, Behavioral analysis, Flash chromatography, HPLC method development and troubleshooting, and survey development.

References

Available upon request