

Osaid T. Al Meanazel

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Education

Ph.D., Pharmaceutics , King Saud University(KSU), KSA	May, 2020
M.Sc., Pharmaceutical and Biopharmaceutical Formulations , University of Sunderland (UOS), UK	September, 2015
B.S., Pharmaceutical Sciences , Jordan University of Science and Technology(JUST), Jordan	February, 2014

Professional Experience

Assist. Professor (Feb '24-Present)	Doctor of Pharmacy Department, College of Pharmacy, Jadara university, Irbid, Jordan: <ul style="list-style-type: none">➤ Teaching pharmaceutics courses.➤ Researcher➤ Member of many faculties Committees.
Postdoctoral Research Associate (July '23-Dec '23)	Irma Lerma Rangel School of Pharmacy, Texas A&M University, Kingsville, TX 78363, USA: <ul style="list-style-type: none">➤ Animal handling, genotyping, maintaining colonies, experiments and sample collection.➤ Performing Platelets functions assay➤ Performing FeCl3-induced thrombosis model.➤ Writing, editing, and statistical analysis of manuscripts.
Director of Community Service Center (Feb '22-Aug '23)	Aqaba University of Technology, Aqaba, Jordan: <ul style="list-style-type: none">➤ Holding many qualitative academic and cultural activities that serve the university community, and the local community in the city of Aqaba in general and supervising and developing them.➤ Providing community service activities and programs offered to the local community by local or international institutions and organizations.➤ Contribute to advancing social change based on scientific studies of the needs and problems of society.➤ Providing the student with the skills of being a team player and volunteer along with developing his/her sense of responsibility toward the community.
Assist. Professor (Feb '21-Aug '23)	Aqaba University of Technology, Aqaba, Jordan: <ul style="list-style-type: none">➤ Teaching the pharmaceutics courses.➤ Researcher➤ Member of many faculties Committees.
Process Validation Supervisor (Oct '20-Dec '20)	Jazeera Pharmaceutical Industries (JPI), hikma. Group, Operational site, Riyadh, Saudi Arabia: <ul style="list-style-type: none">➤ Prepare and review the protocol including sampling plan.➤ Supervise all validation activities and functions (study) including manufacturing process of process validation batches and verify the completion of the records.➤ Carry out/Supervise Sampling.➤ Compile and analyze validation data and test results.➤ Prepare and issue the final process validation report.➤ Report any deviation or observation during the validation batches.
Researcher (A) (Sep.'16-Oct '20)	AlKayyali Chair for Pharmaceutical Industries, Department of Pharmaceutics, King Saud University, Riyadh, Saudi Arabia: <ul style="list-style-type: none">➤ Developing and validation of HPLC/LC-MS methods for analysis➤ In vivo pharmacokinetic study using different animal models➤ Designing and formulating self-nano emulsifying drug delivery systems (SNEDDS)➤ Solidification of SNEDDS by fluid bed coating, spray drying, freeze drying, adsorption, and supercritical fluid➤ Animal modeling includes diabetes, cardiomyopathy, hyperlipidemia, hypertension, brain injury, hepatic cancer, lung cancer, breast cancer ...etc.➤ Animal behavioral studies➤ Writing and editing for publications➤ Statistical analysis➤ cGMP, Quality control, and quality assurance➤ Preparing oral dosage forms such as tablets, capsules, suspensions...etc. And Quality by design approach.➤ Performing animal surgeries.➤ Cytotoxicity test (MTT assay).➤ PCR, RT-PCR, and ELISA testing➤ Industrial Pharmacy and Pharmaceutical Technology

1. Al-Shdefat R, Hailat M, Alshogran OY, Abu Dayyih W, Gardouh A, **Al Meanazel O**. Ribociclib Hybrid Lipid–Polymer Nanoparticle Preparation and Characterization for Cancer Treatment. *Polymers*. 2023;15(13):2844.
2. Alshehri AA, Ibrahim MA, Alshehri SM, Alshora D, Elzayat EM, **Almeanazel O**, Alsaadi B, El Sherbiny GA, Osman SK. Optimization of apigenin nanoparticles prepared by planetary ball milling: In vitro and in vivo studies. *Green Processing and Synthesis*. 2023;12(1):20228107.
3. **Al Meanazel O**, Alanazi FK, Hailat M, Abu Dayyih W, Al-Shdefat R, Abu Assab M, Awad R, Al-Ani I, Shakeel F, Alshora DH, Ibrahim MA. Performing Roux-N Y Gastric Bypass on Rabbits: Perspective Report to Evaluate Body Weight Changes Food Consumption, And the Malabsorption of Vitamin D3. *BioRxiv*. 2023.
4. Alshehri AA, Ibrahim MA, Alshehri, **Almeanazel O**, et al. Optimization of apigenin nanoparticles prepared by planetary ball milling: In vitro and in vivo studies. *Green Processing and Synthesis*. 2023; 12.
5. Hailat M, Al-Ani I, Zakareia Z, Al-Shdefat R, **Al-Meanazel O**, Anwer MK, Hamad M, Abu Rayyan W, Awad R, Abu Dayyih W. Development and Validation of HPLC-DAD Method for the Determination of Favipiravir and Studying the Impact of Vitamin C on the Pharmacokinetics of COVID-19 Antiviral Drug Favipiravir. *Separations*. 2022; 9(10):303.
6. JABER, Ali.....**Al Meanazel, O.**, et al. Esomeprazole and apixaban pharmacokinetic interactions in healthy rats. *Heliyon*, 2022, 8.10: e11015.
7. AHMAD, Raneem..... **Al Meanazel, O.**, et al. Development and Validation of an HPLC Method for the Determination of Meloxicam and Pantoprazole in a Combined Formulation. *Analytica*, 2022, 3.2: 161-177.
8. HAILAT, Mohammad.....**Al Meanazel, O.** et al. Pharmacokinetics and Bioequivalence of Two Empagliflozin, with Evaluation in Healthy Jordanian Subjects under Fasting and Fed Conditions. *Pharmaceuticals*, 2022, 15.2: 193.
9. ALYAMI, Hamad S....., **Al Meanazel, O.** et al. Formulation of sublingual promethazine hydrochloride tablets for rapid relief of motion sickness. *Saudi Pharmaceutical Journal*, 2021, 29.5: 478-486.
10. ALANAZI, Saleh A....., **Al Meanazel, O.** et al. Crosstalk of low-density lipoprotein and liposome as a paradigm for targeting of 5-fluorouracil into hepatic cells: cytotoxicity and liver deposition. *Bioengineered*, 2021, 12.1: 914-926.
11. Ansari M., Al-Nakhle M., **Al Meanazel O.**, et al. Formulation and evaluation of self-nano emulsifying drug delivery system of brigatinib: Improvement of solubility, in vitro release, ex-vivo permeation, and anticancer activity. *Journal of Drug Delivery Science and Technology*, 2021.
12. Alyami HS, Abu-Alrub SS, Mahnashi MH, Alyami MH, **Al Meanazel OT**. Characterization and evaluation of the performance of starch and cellulose as excipients for direct compression technique. *Tropical Journal of Pharmaceutical Research*. 2020 Aug 1;19(8).
13. Kazi M, Alhajri A, Alshehri SM, Elzayat EM, **Al Meanazel OT**, Shakeel F, Noman O, Altamimi MA, Alanazi FK. Enhancing Oral Bioavailability of Apigenin Using a Bioactive Self-Nanoemulsifying Drug Delivery System (Bio- SNEDDS): In Vitro, In Vivo and Stability Evaluations. *Pharmaceutics*. 2020 Aug; 12(8):749.
14. Hailat M., **Al Meanazel O.**, et al. Public knowledge about dosage forms, routes of drug administration and medication proper storage conditions in Riyadh District, Saudi Arabia. *Journal of Pharmaceutical Health Services Research*. 2020. Doi: 10.1111/jphs.12359
15. Alshora, D.H., Alsaif, S., Ibrahim, M.A., Ezzeldin, E., **Almeanazel, O.T.**, Abou El Ela, A.E.S. and Ashri, L.Y., 2020. Co-stabilization of pioglitazone HCl nanoparticles prepared by planetary ball milling: in-vitro and in-vivo evaluation. *Pharmaceutical Development and Technology*, (just-accepted), pp.1-29.
16. **Almeanazel, O.**, Alanazi, F., Alsarra, I., Alshora, D., Shakeel, F., Almnaizel, A., Alahmed, M. and Fouad, E., 2020. Nanotechnology as a Tool to Overcome the Bariatric Surgery Malabsorption. *Saudi Pharmaceutical Journal*.
17. Alshora, D., Ibrahim, M., Elzayat, E., **Almeanazel, O.T.** and Alanazi, F., 2019. Defining the process parameters affecting the fabrication of rosuvastatin calcium nanoparticles by planetary ball mill. *International journal of nanomedicine*, 14, p.4625.

18. Alshehri, S., Shakeel, F., Elzayat, E., **Almeanazel, O.**, Altamimi, M., Shazly, G., Mohsin, K., Almutairy, B., Alsulays, B., Alshetaili, A. and Alalaiwe, A., 2019. Rat palatability, pharmacodynamics effect and bioavailability of mefenamic acid formulations utilizing hot-melt extrusion technology. Drug development and industrial pharmacy, pp.1-26.
19. Shahat, A.A., Hidayathulla, S., Khan, A.A., Alanazi, A.M., **Al Meanazel, O.T.**, Alqahtani, A.S., Alsaid, M.S. and Hussein, A.A., 2019. Phytochemical profiling, Antioxidant and Anticancer activities of Gastrocotyle hispida growing in Saudi Arabia. Acta Tropica.
20. Shahat, A.A., Ullah, R., Alqahtani, A.S., Alsaid, M.S., Husseiny, H.A. and **Al Meanazel, O.T.**, 2018. Hepatoprotective Effect of Eriobotrya japonica Leaf Extract and Its Various Fractions against Carbon Tetra Chloride Induced Hepatotoxicity in Rats. Evidence-Based Complementary and Alternative Medicine, 2018.
21. Alshehri, S.M., Shakeel, F., Ibrahim, M.A., Elzayat, E.M., Altamimi, M., Mohsin, K., **Almeanazel, O.T.**, Alkholief, M., Alshetaili, A., Alsulays, B. and Alanazi, F.K., 2018. Dissolution and bioavailability improvement of bioactive apigenin using solid dispersions prepared by different techniques. Saudi Pharmaceutical Journal.
22. Alshora, D.H., Ibrahim, M.A., Elzayat, E., **Almeanazel, O.T.** and Alanazi, F., 2018. Rosuvastatin calcium nanoparticles: Improving bioavailability by formulation and stabilization codesign. PloS one, 13(7), p.e0200218.
23. Altamimi, M.A., Elzayat, E.M., Alshehri, S.M., Mohsin, K., Ibrahim, M.A., **Al Meanazel, O.T.**, Shakeel, F., Alanazi, F.K. and Alsarra, I.A., 2018. Utilizing spray drying technique to improve oral bioavailability of apigenin. Advanced Powder Technology, 29(7), pp.1676-1684.

Conferences and workshops

1. CRS, Las Vegas, USA, June 2020. Accepted abstract. Virtual attendance
2. SIPHA, Riyadh, KSA, 2020. Attendant
3. DUPHAT, Dubai, UAE, 2020. Poster presentation
4. CRS, Edinburgh, Scotland, 2015. Poster presentation

Relevant Coursework

- Pharmaceutical Biotechnology
- Pharmacodynamic
- Pharmacokinetic
- GMP
- Pharmaceutical formulations
- Drug Delivery Systems
- Physical Pharmaceutics
- Nanotechnology

Reference personnel

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