



Mohammed Mahdi Alsultan, PharmD, MS, PhD

Assistant Professor

Personal Data

Nationality | Saudi

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Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2022	Doctor of Philosophy (PhD) in Health Outcomes (Concentration: Pharmacoepidemiology and Outcomes), College of Pharmacy	University of Cincinnati	Ohio, USA
2019	Master of Science (MSc) in Health Outcomes (Concentration: Pharmacoepidemiology and Outcomes), College of Pharmacy	University of Cincinnati	Ohio, USA
2015	Doctor of Pharmacy (PharmD)	King Saud University	Riyadh, KSA

Research Interest:

My research interests are in analyzing real-world-data to generate real-world evidence. Dr. Alsultan has an interest in big data, drug safety, comparative effectiveness, clinical trials, drug utilization review, and medication adherence. Dr. Alsultan has strong experience in analyzing data using SPSS, R, Stata, and SAS software.



PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD thesis	Effectiveness, Safety, And Utilization of Factor Xa Inhibitors and Warfarin in Obese Nonvalvular Atrial Fibrillation (NVAf) Patients Using Electronic Medical Records: A Propensity Score Matched Retrospective Cohort Study
MSc thesis	Health Services Utilization and Associated Predictors Among Prostate Cancer Patients With and Without Depression in the United States From 2010 to 2015: A Propensity Score-Matched Cross-Sectional Study

Professional Record: (Beginning with the most recent)

Job Rank	Place of Work			Date
Assistant Professor	Department of Pharmacy Practice	College of Clinical Pharmacy	IAU	Sept. 2022-Present
Lecturer	Department of Pharmacy Practice	College of Clinical Pharmacy	IAU	April 2022-Aug. 2022
Demonstrator	Department of Pharmacy Practice	College of Clinical Pharmacy	IAU	March 2016-March 2022
Pharmacist	National Pharmacovigilance and Drug Safety Centre	Drug Sector	Saudi Food and Drug Authority	Oct. 2015-Feb. 2016
Research Assistant (Part Time)	King Abdullah International Medical Research Centre (KAIMRC)	Ministry of National Guard - Health Affairs- Riyadh	Ministry of National Guard - Health Affairs- Riyadh	May 2014- Dec 2016

Membership of Scientific and Professional Societies and Organizations:

#	From	To	Position	Organization
1	November, 2023	Present	Head of Research and Innovation committee	Saudi Society of Pharmacovigilance and Drug safety
2	January, 2016	Present	Member	Saudi Pharmaceutical Society
3	March, 2017	Present	Member	International Society for Pharmacoepidemiology
4	March, 2017	Present	Member	The Professional Society for Health Economics and Outcomes Research



Administrative Responsibilities:

#	From	To	Position	Organization
1	March, 2023	Present	Head of Scholarship follow-up Unit	College of Pharmacy, IAU
2	January, 2023	Present	Head of Research Unit	Pharmacy Practice department, College of Pharmacy, IAU
3	August, 2023	Present	Head of Academic Development Unit	College of Pharmacy, IAU
4	August, 2023	Present	Member of EMC Quality of Assessment & Examination	College of Pharmacy, IAU

Scientific Achievements

Published Refereed Scientific Research (Publications):

(In Chronological Order Beginning with the Most Recent)

PEER-REVIEWED PUBLICATIONS	
1	Alotaibi, M. M., Almuharifi, F. Y., Almuhaini, D. S., Alsulaiman, D. R., Albader, M. A., Alhejji, W. A., ... & Alamer, K. A. (2024). Assessing Public Awareness, Utilization and Satisfaction with Community Pharmacy Services. <i>Patient preference and adherence</i> , 1183-1193.
2	Alsalem, A., Alsultan, M. M., Alqarni, F., Almangour, A., Alsharekh, L., Alenazi, S., ... & Alzahrani, A. (2024). Real-world evidence of the effects of sodium-glucose co-transporter 2 inhibitors on the dosing of diuretics in patients with heart failure: a retrospective cohort study. <i>Frontiers in Pharmacology</i> , 15, 1366439.
3	Alsuhibani, A. A., Al-Obeed, O. A., Wigle, P. R., Alsultan, M. M., Guo, J. J., Lin, A. C., ... & Hincapie, A. L. (2024). Factors Associated with Statin Discontinuation Following Metabolic and Bariatric Surgery: A Retrospective Analysis of 2012–2021 Electronic Medical Records Network Data. <i>Obesity Surgery</i> , 34(4), 1267-1278.
4	Kurdi, S. M., Alamer, A., Albaggal, A., Alsuwaiket, M., Alotaibi, F. M., Asiri, I. M., ... & Alfayez, O. M. (2024). The Association between Self-Care Activities and Depression in Adult Patients with Type 2 Diabetes in Saudi Arabia: A Cross-Sectional Web-Based Survey Study. <i>Journal of Clinical Medicine</i> , 13(2), 419.
5	Asiri, I. M., Alrastal, D. Y., Alaqeel, R. K., Alotaibi, F. M., Kurdi, S. M., Alshayban, D. M., ... & Alanazi, M. S. (2024). A survey of drive-thru pharmacy services: Evaluating the acceptance and perspectives of community pharmacists in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 32(1), 101924.



6	Mahmoud, M. A., Ibrahim, A., Alharbi, F., Alalawi, A. M., Alnezary, F., Aldafiri, A., ... & Alsahly, M. B. (2023). Uptake, Safety and Attitudes Towards COVID-19 Vaccination: A Cross-Sectional Study on First and Second Doses Among the General Public. <i>Risk Management and Healthcare Policy</i> , 1633-1643.
7	Alsultan, M. M., Alamer, R., Alammam, F., Alzlaq, W., Alahmari, A. K., Almalki, Z. S., ... & Almalki, B. A. (2023). Prevalence of polypharmacy in heart failure patients: A retrospective cross-sectional study in a tertiary hospital in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 31(12), 101875.
8	Alsultan, M. M., Alahmari, A. K., Mahmoud, M. A., Almalki, Z. S., Alzlaq, W., Alqarni, F., ... & Guo, J. J. (2023). Effectiveness and safety of edoxaban versus warfarin in patients with nonvalvular atrial fibrillation: a systematic review and meta-analysis of observational studies. <i>Frontiers in Pharmacology</i> , 14, 1276491.
9	Alotaibi, F. M., Bukhamsin, Z. M., Alsharafaa, A. N., Asiri, I. M., Kurdi, S. M., Alshayban, D. M., ... & Alotaibi, M. M. (2023, November). Knowledge, Attitude, and Perception of Health Care Providers Providing Medication Therapy Management (MTM) Services to Older Adults in Saudi Arabia. In <i>Healthcare</i> (Vol. 11, No. 22, p. 2936). MDPI.
10	Alenazi, A., Alhamed, N., Aldhafeeri, M., Alabdullatif, A., AlShehail, B., Alsultan, M. M., & Al Jamea, Z. (2023). Extended infusion versus intermittent infusion of Piperacillin/tazobactam: altering current methods to optimize future outcome. <i>Pharmacy Practice</i> , 21(3), 1-9.
11	Costa, L. S. D., Alsultan, M. M., Hincapie, A. L., & Guo, J. J. (2023). Trends in utilization, reimbursement, and price for DOACs and warfarin in the US Medicaid population from 2000 to 2020. <i>Journal of Thrombosis and Thrombolysis</i> , 55(2), 339-345.
12	Alahmari, A. K., Almalki, Z. S., Albassam, A. A., Alsultan, M. M., Alshehri, A. M., Ahmed, N. J., & Alqahtani, A. M. (2022, June). Factors associated with length of hospital stay among COVID-19 patients in Saudi Arabia: a retrospective study during the first pandemic wave. In <i>Healthcare</i> (Vol. 10, No. 7, p. 1201). MDPI.
13	Alsultan, M. M., & Guo, J. J. (2022). Utilization, spending, and price of opioid medications in the US Medicaid programs between 1991 and 2019. <i>American Health & Drug Benefits</i> , 15(1), 31.
14	Alsultan, M. M., Hincapie, A. L., Schwartz, R., & Guo, J. J. (2021). Healthcare services expenditures among prostate cancer patients with and without mood disorders in the United States: A propensity score-matched cross-sectional study. <i>Journal of Psychosocial Oncology</i> , 39(2), 204-218.
15	Al-Ruthia, Y. S., Mansy, W., Barasin, M., Ghawaa, Y. M., AlSultan, M., Alsenaidy, M. A., ... & AlGhadeer, S. (2017). Shortage of psychotropic medications in community pharmacies in Saudi Arabia: Causes and solutions. <i>Saudi Pharmaceutical Journal</i> , 25(5), 744-749.



Published Refereed Scientific Research (Peer-Reviewed Abstracts):

(In Chronological Order Beginning with the Most Recent)

PEER-REVIEWED ABSTRACTS	
1	AlSultan, M., Hincapie, A. L., Wigle, P., Cuadros, D. F., Lin, A. C., & Guo, J. J. (2022, September). Real-world safety of factor Xa inhibitors and warfarin in obese and morbidly obese nonvalvular atrial fibrillation (NVAf) patients using a university health center electronic medical record database in the United States (US). In <i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i> (Vol. 31, pp. 271-272). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
2	AlSultan, M., Hincapie, A. L., Wigle, P., Cuadros, D. F., Lin, A. C., & Guo, J. J. (2022, September). Utilization of factor Xa inhibitors and warfarin in obese nonvalvular atrial fibrillation (NVAf) patients: Analysis of university health center electronic medical records in the United States (US). In <i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i> (Vol. 31, pp. 368-368). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
3	Alahmari, A. K., Almalki, Z., Alshehri, A., Albassam, A. A., Ahmed, N. J., & AlSultan, M. (2022). EPH39 Potential Predictors of Length of Hospital Stay Among Corona-Virus Patients in Saudi Arabia: A Single Hospital Retrospective Cohort Study. <i>Value in Health</i> , 25(7), S441.
4	AlSultan, M. M., & Guo, J. J. (2021, August). Effectiveness and safety of edoxaban and warfarin in nonvalvular atrial fibrillation patients: A meta-analysis of real-world studies. In <i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i> (Vol. 30, pp. 208-208). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
5	AlSultan, M., Hincapie, A., Schwartz, R., & Guo, J. J. (2020). PCN66 Associated Predictors Of Healthcare Expenditures Among Prostate Cancer Patients With And Without Depression In The United States From 2010 To 2015: A Propensity Score-Matched Cross-Sectional Study. <i>Value in Health</i> , 23, S35.
6	AlSultan, M., & Guo, J. (2019). PDG14 Trends In Utilization, Spending, And Prices Of Opioid Medications In The Us Medicaid Programs 1991-2017. <i>Value in Health</i> , 22, S165.
7	AlSultan, M., Hincapie, A., Schwartz, R., & Guo, J. (2019). PCN77 Health Services Utilization And Expenditures Among Prostate Cancer Patients With And Without Depression In The United States From 2010 To 2015: A Propensity Score-Matched Cross-Sectional Study. <i>Value in Health</i> , 22, S70.
8	AlSultan, M., Guo, J. J., & Schwartz, R. (2018). Veno-Occlusive Disease (VOD) Associated with Gemtuzumab Ozogamicin (GO) and Inotuzumab Ozogamicin: Analysis of the FDA Adverse Event Reporting System. <i>Value in Health</i> , 21, S105.
9	Alkelya, M., & AlSultan, M. (2017, May). Exploring Antimicrobial Drug Utilization Review Programs In Saudi Hospitals. In <i>VALUE IN HEALTH</i> (Vol. 20, No. 5, pp. A23-A23). 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710 USA: ELSEVIER SCIENCE INC.
10	AlSultan, M., & Alkelya, M. (2016). The Role of Pharmacy Information Systems, Formulary Arrangmnet, Supplay Chain And Distrbtion System To Improve Patients' Access To Prescription Drug In Saudi Hospitals: A Cross-Sectional Descriptive Study. <i>Value in Health</i> , 19(7), A622.
11	AlSultan, M., & Alkelya, M. (2016, August). Medication Safety Infrastructure at Saudi Hospitals: A Descriptive Cross-Sectional Pilot Study. In <i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i> (Vol. 25, pp. 613-613). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY-BLACKWELL.
12	Alkelya, M., AlSultan, M., & AlJeraisy, M. (2016). Drug Utilization Review Program In Saudi Hospitals: Enabling Factors And Impelmentation. <i>Value in Health</i> , 19(3), A261.



13	Alkelya, M., Alsultan, M., Alenezi, M., & AlJeraisy, M. (2015). Pharmacy Information System In Saudi Hospitals-How Far Is It To Meet Pharmacy Benefit Management Program Requierments?. <i>Value in Health</i> , 18(7), A528-A529.
14	Alkelya, M., Alenezi, M. G., Alsultan, M. M., & AlJeraisy, M. (2015). The characteristics of pharmacy and therapeutic committees in Saudi hospitals. <i>Value in Health</i> , 18(3), A74.

Teaching activities

Undergraduate students

#	Course Title	Course code	Extent of Contribution
1	Pharmacy Orientation	CLPH 201	2
2	Research Methodology and Biostatistics	CLPH 507	5
3	Pharmacy Management	CLPH 509	2
4	Institutional Pharmacy Practice	CLPH 409	1
5	Pharmacoepidemiology	CLPH 511	2

Leadership Courses and Certifications:

#	Name
1	Empowering the Promising Leader, IAU, Dammam, Saudi Arabia.
2	Flexible Leadership, IAU, Dammam, Saudi Arabia.

Short Courses and Certifications:

#	Name
1	Certificate in Six Sigma, (30) contact hours, King Saud University, Riyadh, Saudi Arabia.
2	Certificate in The Pharmacist and Proper Research Conduct Intensive Course, Prince Sultan Military Medical City, Riyadh, Saudi Arabia
3	Certificate in Project Management Professional (PMP) Certification Program (35) contact hours, King Saud University, Riyadh, Saudi Arabia.
4	Certificate in how to deal with time, king Saud University, Riyadh, Saudi Arabia.
5	Certificate in Statistical Package for the Social Sciences (SPSS), King Saud University, Riyadh, Saudi Arabia.



Personal Key Competencies and Skills:

1	Microsoft Offices
2	Familiar with Statistical Analysis System (SAS), Statistical Package for Social Sciences Program (SPSS), and R.
3	Professional Registration Classification Certificate as a Pharmacist from the Saudi Commission for Health Specialties (SCFHS), Riyadh 2015.