

Faculty Portofolio

Dr. Sultan M. Alshahrani
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 Associate Professor
 Clinical Pharmacy Department
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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2017	PhD in Pharmacy (Pharmacokinetics)	School of Pharmacy, Oregon State University, Oregon, USA
2010	PharmD degree	School of Pharmacy, King Abdulaziz University, Jeddah, KSA

Professional experience:

Year	Positions	University/College, Country
2022-present	Associate professor, Clinical Pharmacy Department	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2018-2022	Vice Dean of Development and Quality	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2018-present	Assistant professor, Clinical Pharmacy Department	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2013-2017	Research Assistant	College of Pharmacy, Oregon State University, USA
2011-2013	Teaching Assistant, Clinical Pharmacy Department	College of Pharmacy, King Khalid University, Abha, Saudi Arabia

Community service activities

Year	Positions & Name of the Project	University/Company, Country
2018-2022	Vice Dean of Development and Quality	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2021-2022	Head of Department of Pharmaceutics	College of Pharmacy, King Khalid University, Abha, Saudi Arabia

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2016	The Rho Chi Society- Beta Chapter (2016).	OSU, USA
2016	Ayres Travel Award. College of Pharmacy Annual Retreat, Oregon State University (2016).	OSU, USA
2007-2009	Excellence Award in Pharm.D Degree 2007,2008,2009	KAU, KSA,

Workshops/ Trainings:

Year	Title	University/Company, Country
November, 13-17, 2016	The American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition	USA
2014-2016	Oregon State University - College of Pharmacy Annual Rising Lectures and Retreat	OSU, USA
2020	Risk Assessment management	UAE

Research interests:

- Pharmacokinetics
- Pharmacoepidemiology
- Pharmacy Practice

Teaching experience:

- Teaching Applied Clinical Pharmacokinetics course at King Khalid University, 2018-present.

- Teaching Pharmacy Orientation course at King Khalid University 2020-present

Professional membership:

Year	Name of the professional Body	Role
2010-present	Saudi Society for Medical Education	Member
2015-present	American Association of Pharmaceutical Scientists (AAPS).	Member
2016-present	American Society for Clinical Pharmacology and Therapeutics (ASCPT).	Member
2017-present	American College of Clinical Pharmacy (ACCP).	Member
2017-present	American Society of Health-System Pharmacists (ASHP).	Member
2017-present	International Society of Pharmacometrics (ISoP).	Member
2019-present	Saudi Society for Medical Education	Member

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
None	None	None

Publications:

Huston, R.K.; Christensen, J.M.; **Alshahrani, S.M.**; Mohamed, S.M.; Clark, S.M.; Nason, J.A.; Wu, Y.X. Calcium chloride in neonatal parenteral nutrition solutions with and without added cysteine: Compatibility studies using laser and micro-flow imaging methodology. *PLoS ONE*. 2015; 10, e01368

Luong, A.Q., Vu, T.N., Nguyen, D.H., **Alshahrani, S.M.**, Christensen, J.M. and Nguyen, C.N. Formulation Optimization Utilizing D-Optimal Experimental Design of Oral Capsules Containing Enteric-Coated Pellets of Lansoprazole and in vivo Bioequivalence. *Pharmacology & Pharmacy*. 2017; 8: 153-171.

Huston RK, Christensen, J.M.; **Alshahrani, S.M.**; Mohamed, S.M.; Heisel, C.F. Calcium Chloride and Calcium Gluconate in Neonatal Parenteral Nutrition Solutions without Cysteine: Compatibility Studies Using Laser Light Obscuration Methodology. **Nutrients**. 2018;10, 208.

K. Huston, Robert & Christensen, John & **Alshahrani, SM** & M. Mohamed, Sumeia & F. Heisel, Carl & N. Stout, Kim. Calcium Chloride and Calcium Gluconate in Neonatal Parenteral Nutrition Solutions with Added Cysteine: Compatibility Studies Using Laser Light Obscuration Methodology. *Journal of Parenteral and Enteral Nutrition*. 2018; 10.1002/jpen.1434.

Alshahrani SM. Assessment of Knowledge, Attitudes, and Practice of Community Pharmacists Regarding Weight Reduction Agents and Supplements in Aseer Region, Saudi Arabia. *Risk Manag Healthc Policy*. 2020;13:347-353. Published 2020 Apr 21. doi:10.2147/RMHP.S234818

Alshahrani SM, Alavudeen SS, Alakhali KM, Al-Worafi YM, Bahamdan AK, Vigneshwaran E. Self-medication among king Khalid University students, Saudi Arabia. *Risk Manag Healthc Policy*. 2019;12:243–249.

Alshahrani SM, Abosamra SM, and Khobrani M. Implementation of clinical pharmacy service in a tertiary psychiatric hospital in Aseer region, Saudi Arabia: 15 month experience. *Biomedical Research*. 2019; 30 (5): 716-720

Alshahrani SM, Alakhali KM, and Al-Worafi YM et al. Awareness and use of over the counter analgesic medication: A survey in the Aseer region population, Saudi Arabia. *International Journal of Advanced and Applied Sciences* 2020; 7(3): 130-134

Alshahrani SM, Alakhali KM, Al-Worafi YM. Medication errors in a health care facility in southern Saudi Arabia. *Trop J Pharm Res*. 2019; **18(5)**:1119-1122

Sirajudeen Shaik Alavudeen, Moteb Khobrani, C.K. Dhanapal, Javid Iqbal Mir, **Alshahrani SM**, Noohu Abdullah Khan, Abdulaziz Alhossan. Comparative evaluation of biphasic insulin with metformin and triple oral hypoglycemic agents (OHA) in type 2 diabetes patients. *Saudi Pharmaceutical Journal*. 2020; 28(2): 210-214

Flaminio KP, Christensen JM, **Alshahrani SM**, and Mohammed SM. Pharmacokinetics after subcutaneous administration of a single dose of cefovecin sodium in African lions (*Panthera leo*). *American Journal of Veterinary Research*. 2019; 80(3): 230-234

Orayj K, **Alshahrani SM**, Alqahtani AM, Alasmari N, Atef AAA, Jrais HS, Muslot D. The Use of Over-The-Counter (OTC) Medications by University Students During Examinations in Saudi Arabia: A Cross-Sectional Study. *Risk Manag Healthc Policy*. 2021;14:2675-2682

Khan BA, Asmat Y, Khan TH, Qayum M, **Alshahrani SM**, Khan MK. Novel Insight into Potential Leishmanicidal Activities of Transdermal Patches of *Nigella Sativa*: Formulation Development, Physical Characterizations, and *In vitro/In vivo* Assays [published online ahead of print, 2021 Jun 28]. *Assay Drug Dev Technol*. 2021;10.1089/adt.2021.035.

Mitra Mahmoudi, Sadaf Seifi, Barkat Ali Khan, **Alshahrani SM**, Amirali Arimi, Alireza Allami, Saad S. Alqahtani, Mohammad Ali Ebrahimzadeh, Anti-Inflammatory And Anti-Nociceptive Activities Of Polyphenols From Feijoa Fruit And Leaves; *Pak. J. Pharm. Sci.*, Vol.34, No.4, July 2021, pp.1445-1448

Sirajudeen Shaik Alavudeen, Vigneshwaran Easwaran, Javid Iqbal Mir, **Sultan M. Shahrani**, Anas Ali Aseeri, Noohu Abdullah Khan, Ahmed Mohammed Almodeer, Abdulaziz Abdullah Asiri; The influence of COVID-19 related psychological and demographic variables on the effectiveness of e-learning among health care students in the southern region of Saudi Arabia, *Saudi Pharmaceutical Journal*, 2021; 29(7): 775-780

Alshahrani NZ, **Alshahrani SM**, Farag S, Rashid H. Domestic Saudi Arabian Travellers' Understanding about COVID-19 and Its Vaccination. *Vaccines*. 2021; 9(8):895. <https://doi.org/10.3390/vaccines9080895>

Fatemeh Masoomzadeh, Barkat Ali Khan, **Sultan M Alshahrani**, Ali Alqahtani, Mohammad Ali Ebrahimzadeh, and Masomeh Khalili. Protective effects of rutin and chlorogenic acid against antihypoxic conditions in mice; Pak. J. Pharm. Sci. 2021;34(5):1679-1683

Alshahrani SM, Orayj K, Alqahtani AM, Algahtany MA. Community Pharmacists' Perceptions towards the Misuse and Abuse of Pregabalin: A Cross-Sectional Study from Aseer Region, Saudi Arabia. Healthcare. 2021; 9(10):1281. <https://doi.org/10.3390/healthcare9101281>

Alshahrani SM. and Christensen JM. 'High Performance Liquid Chromatography (HPLC) Method Development and Validation for the Determination of Flunixin: Animal Plasma Based Study'. *Main Group Chemistry* 1 Jan. 2021 : 1 – 11.

Easwaran V, Kudumula Mulammagari SV, Lakkepogu C, Byram R, **Alshahrani SM**, Alavudeen SS, Khan NA. Association of demographic characteristics to depression, anxiety, and stress among diabetics: A cross-sectional report from resource-limited settings of South India. *CHRISMED J Health Res* 2021;8:89-94

Akram MA, Khan BA, Khan MK, Alqahtani A, **Alshahrani SM**, Hosny KM. Fabrication and Characterization of Polymeric Pharmaceutical Emulgel Co-Loaded with Eugenol and Linalool for the Treatment of *Trichophyton rubrum* Infections. *Polymers*. 2021; 13(22):3904.

Alfatease A, Alqahtani AM, Orayj K, **Alshahrani SM**. The Impact of Social Media on the Acceptance of the COVID-19 Vaccine: A Cross-Sectional Study from Saudi Arabia. *Patient Prefer Adherence*. 2021 Nov 30;15:2673-2681. doi: 10.2147/PPA.S342535. PMID: 34876809; PMCID: PMC8643218.

Alshahrani SM., Alshahrani, H. A., Alshahrani, S. D., Alabdulla, N. M., Alshahrani, Y. F., Alshahrani, A. N. and Alshahrani, A. M. (2021) "Fixed-Dose Combination of Dipeptidyl Peptidase-4 Inhibitors Plus Metformin in Patients with Type 2 Diabetes: A Review on Safety and Efficacy", *Journal of Pharmaceutical Research International*, 33(53A), pp. 53-59.

Alqahtani T, Alqahtani AM, **Alshahrani SM**, Orayj K, Almanasef M, Alamri AH, Easwaran V, Khan NA. Assessment of knowledge and practice of mammography and breast self-examination among the general female population in Asir region of KSA. *Eur Rev Med Pharmacol Sci*. 2021 Dec;25(23):7231-7237. doi: 10.26355/eurrev_202112_27416. PMID: 34919222.

Alshahrani SM. Perspectives Role of Pharmacists in the Provision of COVID-19 Vaccine at Community Pharmacies in Asser Region, Saudi Arabia. *LATIN AMERICAN JOURNAL OF PHARMACY* 2022;41(1):261-266

Alshahrani SM. Development and Implementation of Quality Assurance System in Pharmacy Program in Saudi Arabia to Achieve National Commission for Academic Assessment and Accreditation (NCAAA) Standards. *LATIN AMERICAN JOURNAL OF PHARMACY*. 2022; 40(2):320-327

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Alshahrani SM. (2022). Parental Attitude and Awareness of the Use of Complementary and Alternative Medicine for the Management of Respiratory Tract Infections in Children: A Cross-Sectional Study from Aseer Region, Saudi Arabia. *Current Topics in Nutraceutical Research* 20(2):360-364

Nura Ershad Naznin, Tanoy Mazumder, Md. Sharif Reza, Sarah Jafrin, **Sultan M. Alshahrani** et al., Molecular docking supported investigation of antioxidant, analgesic and diuretic effects of *Costus speciosus* rhizome. *Bull. Chem. Soc. Ethiop.* 2022, 36(3):627-640

Alshahrani SM. Evaluation of Pharm. D Students' Performance in Applied Clinical Pharmacokinetics Course Before, During, and After COVID-19 Era Using Face-2-Face, Online, and Hybrid Modes of Study. *LATIN AMERICAN JOURNAL OF PHARMACY* 2022;41(7):1481-1486

Alshahrani SM, J Mark Christensen. Development and Validation of Analytical Method for the Determination of Cefovecin Sodium in African lions (*Panthera leo*) Plasma by HPLC: FDA Bioanalytical Assay Guidance. *Journal- Chemical Society of Pakistan.* 2022; 44(3):256-261

Sirajudeen Shaik Alavudeen, Viqar Basharat, Ahmed Khaled Bahamdan, Vigneshwaran Easwaran, Ghadah Khaled Bahamdan, Md Sayeed Akhtar, **Sultan Alshahrani**, Ali Alqahtani & Krishnaraju Venkatesan (2022) Knowledge, attitude and preparedness of healthcare students toward basic life support at King Khalid University, Abha, Kingdom of Saudi Arabia, *Clinical and Experimental Hypertension*, 44:7, 634-640

Hamdy Abdelkader, Wesam W Mustafa, Ali M Alqahtani, **Sultan Alshahrani**, Adel Al Fatease, Raid G Alany, Glycation-induced age-related illnesses, antiglycation and drug delivery strategies, *Journal of Pharmacy and Pharmacology*, Volume 74, Issue 11, November 2022, Pages 1546–1567

Shah KA, Li G, Song L, Gao B, Huang L, Luan D, Iqbal H, Cao Q, Mena F, Lee B-J, Alnasser SM, **Alshahrani SM**, Cui J. Rizatriptan-Loaded Oral Fast Dissolving Films: Design and Characterizations. *Pharmaceutics.* 2022; 14(12):2687

Conferences/meeting/ workshops

- Workshop on Key Performance Indicators (KPIs) and Benchmarking, KCU Deanship of quality and development, Abha, 2019
- Training program on Academic reviewers' preparation for NCAAA visit, KCU Deanship of quality and development, Abha, 2019
- Training program on Internal Academic Quality Reviewers' preparation, KCU Deanship of quality and development, Abha, 2019
- Training program on Assessment and Evaluation of Health profession programs, NCAAA (ETEC), Jeddah, 2019
- Training program on Risk Assessment and Management according to strategic plan, KCU Deanship of quality and development, Dubai, 2020
- Training program on Preparation of program Eligibility Requirements for NCAAA accreditation, ETEC, Riyadh, 2020
- Training program on Academic Quality Practitioner Preparation, ETEC, Riyadh, 2020
- Training program on Academic Quality Reviewer Preparation, ETEC, Riyadh, 2021
- Certified Academic Quality Practitioner by ETEC (2020)
- Certified Academic Quality Reviewer by ETEC (2021)



- Training workshop on Quality Data Assessment, ETEC, Riyadh, September, 2021

