

**SINAA ABDUL MUHSSEN ALAQEEL**

PO Box 376316

Riyadh 11335, Kingdom of Saudi Arabia

salageel@ksu.edu.saUniversity Website: <http://fac.ksu.edu.sa/salageel>ORCID: <https://orcid.org/0000-0003-0571-7230>Web of Science Researcher ID [Q-7914-2016](#)

Scopus ID 25645807900

EDUCATIONJanuary 2004
SPECIALIZATIONPh.D. (The University of Manchester, United Kingdom)
PharmacoeconomicsNovember 1998
SPECIALIZATIONMSc. (The University of Manchester, United Kingdom)
Healthcare and Clinical Services pharmacyJuly 1994
SPECIALIZATIONBSc. (King Saud University, Saudi Arabia)
Pharmaceutical Sciences**ACADEMIC POSITIONS**

Nov 2018

Full professor

King Saud University, Riyadh, Saudi Arabia

Aug 2012-Nov 2018

Associate professor

King Saud University, Riyadh, Saudi Arabia

April 2004-Aug 2012

Assistant professor

King Saud University, Riyadh, Saudi Arabia

Sep 1995-April 2004

Teaching assistant

King Saud University, Riyadh, Saudi Arabia

ADMINISTRATIVE POSITIONS

Sep 2011-Sept 2015

Supervisor-Female section-, Mentoring program, Rectorate of Educational and Academic Affairs, King Saud University.

May 2013-April 2015

Vice Dean for Administrative Affairs –Preparatory Year, King Saud University.

Feb 2005-Feb 2013

Deputy chair, Clinical Pharmacy Department, College of Pharmacy, King Saud University.

OTHER RESPONSIBILITIES

Dec 2019-present

Consultant to Her Excellence the Rector of Princess Noura Bint AbdulRahman University for Health Affairs.

Nov 2018-Nov 2019

Consultant to the Vice Rector of Princess Noura Bint AbdulRahman University for Health Affairs.

Aug 2017-Aug 2019

Consultant to the Vice Rector of King Saud University for Female Students Affairs.

Nov 2011- Nov 2012	Consultant to His Excellence the Rector of King Saud University For Female Students Affairs.
Feb 2013- July 2013	Consultant to College of Pharmacy, Princess Noura Bint AbdulRahman University for Women in Riyadh, Saudi Arabia.
Dec 2013-March 2014	Consultant to the Higher Education Research center (CHERS), Ministry of Higher Education, Saudi Arabia.
Jan 2014-March 2014	External Reviewer for Pharmacy college curriculum, Princess Noura Bint AbdulRahman University for Women in Riyadh, Saudi Arabia.

COMMITTEE MEMBERSHIP

Member of many King Saud University-level committees, such as: Academic Plans and Programs Committee, Teaching and Learning Strategic Plan Committee, and Strategies for Implementation of Interdisciplinary Programs Committee

Member of many College of Pharmacy-level committees, such as: The College Strategic Plan Committee and Department Faculty Needs Assessment committee,

Member of many organising committee for many workshops and symposia such National Observatory for Women Symposia and Women's Higher Education in Saudi Arabia symposia.

SUPERVISION/TEACHING RESPONSIBILITIES

Co-Supervising PhD student (2017-, Basma Kintab, Main supervisor Dr Carmel Hughes, School of Pharmacy, Queen's University, Belfast).

Co-Supervised PhD student (2012-2017, Lubna Aljaffali, Main supervisor Dr Margaret C. Watson, Centre for Primary Care, Aberdeen University, UK).

Supervised 15 Master research projects, the department of Clinical Pharmacy, King Saud University. Supervised 6 undergraduate research projects, College of Pharmacy, King Saud University. Mentored 2 students under the distinguished and talented students program.

My teaching includes developing, writing and delivery of lectures in the areas of: Pharmacoeconomics, Research design, Evidence based medicine and literature evaluation, Pharmacy law and Ethics, Pharmacy Administration, and Communication.

AWARDS and GRANTS

Chosen as one of the best reviewers for *Pharmacoepidemiology and Drug Safety* journal for the year 2014 and *Res Social Adm Pharm* 2019. Waleed Kayali Prize for Scientific Research 2013. The Digital course grant 2013. The National Plan for Science and Technology grant 2013(12-INF2822-02). The third prize poster winner EHPA conference 2013. Excellence in learning and Teaching 2012 grant. Grant from Research Center for Female Scientific and Medical Colleges (SMRC, 1901).

SCIENTIFIC CONTRIBUTIONS

Published around 35 papers and reports and presented in 27 conferences or workshops. Referee/Reviewer for many journals and conferences. Associate editor of **Value in Health Regional Issues** journal. Editorial board member of **Exploratory Research in Clinical and Social Pharmacy** journal.

A-REFEREED PAPERS

Hammad EA, **Al-Aqeel S**, Elayah E, Jaber D. Assessing content and factors influencing responses to information requests in community pharmacies in Jordan: A simulated patients study. Plos one. 2022 Feb 18;17(2). <https://pubmed.ncbi.nlm.nih.gov/35180273/>

Alhraiwil, Najla J., **Al-Aqeel, Sinaa**, AlFaleh, Amjad F., AlAqeel, Alaa A., AlAbed, Mostafa A., Al-Shroby, Walid A. Impact of COVID-19 on the 937 Telephone Medical Consultation Service in Saudi Arabia. International Journal of Telemedicine and Applications. **2022**. <https://pubmed.ncbi.nlm.nih.gov/35058977/>

Eman A Hammad, Eman Elayah, Deema Jaber, Ibrahim Abu Mustafa, **Sinaa Al-Aqeel**, Feasibility Of using Simulated Patients for Onsite Structured Practice Feedback in Jordanian Community Pharmacy Settings. Saudi Pharmaceutical Journal, **2022**

AlRasheed MM, **Al-Aqeel S**, Alkadir AM, Bin Shuqiran K, Khurshid F, AlRasheed NM, Al-Kufeidy RM, Alhaj OA, Jahrami H, BaHammam AS. The Prevalence of Psychological Distress and Its Relationship to Sleep Quality in Saudi Arabia's General Population During the COVID-19 Pandemic. Front Psychiatry. **2022**;12:809040..

Alaqeel S, Alfakhri A, Alkherb Z, Almeshal N. Patient-reported outcome measures in Arabic-speaking populations: a systematic review. *Qual Life Res.* **2021**. <https://pubmed.ncbi.nlm.nih.gov/34709559/>

Sinaa Al-Aqeel, Lamya Alnaim, Jeelan Alghaith, Latifa Almosabhi. Out-of-pocket expenses, income loss and informal (unpaid) care: a cross sectional study from cancer patient perspective. *Journal of Patient Experience* **2021**. <https://pubmed.ncbi.nlm.nih.gov/34676289/>

Sinaa Alaqeel, Ahmad Alghamdi, Bander Balkhi, Saja Almazrou, Shiekha Alaujan. Impact of using debates in a pharmacoeconomic course on students' self-reported perceptions of skills acquired Pharmacy Education **2021**; 21(1) 276 – 282 <http://doi.org/10.46542/pe.2021.211.276282>

Al-Aqeel, S.A.; AlAujan, S.S.; Almazrou, S.H. The Institute for Medical Technology Assessment Productivity Cost Questionnaire (iPCQ) and the Medical Consumption Questionnaire (iMCQ): Translation and Cognitive Debriefing of the Arabic Version. *Int. J. Environ. Res. Public Health* **2021**, 18, 7232. <https://pubmed.ncbi.nlm.nih.gov/34299684/>

AlRasheed MM, Alkadir AM, Bin Shuqiran KI, **Al-Aqeel S**, Jahrami HA, BaHammam AS. The Impact of Quarantine on Sleep Quality and Psychological Distress During the COVID-19 Pandemic. *Nat Sci Sleep.* **2021**;13:1037-1048

Almazrou S, AlAujan SS, **Al-Aqeel S**. Barriers and facilitators to conducting economic evaluation studies of GCC countries: a survey of researchers. *Health Research Policy and Systems.* **2021**,19, 71. <https://pubmed.ncbi.nlm.nih.gov/33933093/>

AlAujan SS, Almazrou S, **Al-Aqeel S**. A Systematic Review of Sources of Outcomes and Cost Data Utilized in Economic Evaluation Research Conducted in the Gulf Cooperation Council. *Risk Management and Healthcare Policy.* **2021**, 14:209-220. <https://pubmed.ncbi.nlm.nih.gov/33505174/>

Almazrou SH, Alfaifi SI, Alfaifi SH, Hakami LE, **Al-Aqeel SA**. Barriers to and Facilitators of Adherence to Clinical Practice Guidelines in the Middle East and North Africa Region: A Systematic Review. *Healthcare (Basel).* **2020** Dec 15;8(4):564. <https://pubmed.ncbi.nlm.nih.gov/33333843/>

Al-Aqeel S, Gershuni O, Al-Sabhan J, Hiligsmann M. Strategies for improving adherence to antiepileptic drug treatment in people with epilepsy. *Cochrane Database Syst Rev.* **2020** Oct 22;10:CD008312. <https://pubmed.ncbi.nlm.nih.gov/33089492/>

Al-Aqeel S, Mendes AM, Taisir H, Fernandez-Llimos F. International collaboration in pharmacy practice research: A bibliometric analysis. *Res Social Adm Pharm.* **2020** 22:S1551-7411(20)30178-9. <https://pubmed.ncbi.nlm.nih.gov/32482589/>

Al Juffali LA, Knapp P, **Al-Aqeel S**, Margaret C Watson. Medication safety problems priorities in community pharmacy in Saudi Arabia: a multi-stakeholder Delphi study using the human factors framework. *BMJ Open* **2019**;9:e032419.

<https://www.ncbi.nlm.nih.gov/pubmed/31694852>

Basma Y. Kentab; Heather E. Barry; **Sinaa A. Al-Aqeel**; Carmel M. Hughes. Systematic review of pharmacists' interventions to support medicines optimisation in patients with visual impairment. *Int J Clin Pharm*. **2019**;41(6):1400-1407.

<https://www.ncbi.nlm.nih.gov/pubmed/31531815>

Al Juffali L, **Al-Aqeel S**, Knapp P, Mearns K, Family H, Watson M. Using the Human Factors Framework to understand the origins of medication safety problems in community pharmacy in Saudi Arabia: A qualitative study. *Res Social Adm Pharm*. **2019**;15: 558-567.

<https://www.ncbi.nlm.nih.gov/pubmed/30031695>

Muaamar Al-Gobari, **Sinaa Al-Aqeel**, François Gueyffier, Bernard Burnand. Effectiveness of drug interventions to prevent sudden cardiac death in patients with heart failure and reduced ejection fraction: an overview of systematic reviews. *BMJ Open*. **2018**; 8:e021108. doi: 10.1136/bmjopen-2017-021108.

<https://www.ncbi.nlm.nih.gov/pubmed/30056380>

Sultan NY, Yacoob MA, **Alaqeel SA**, Al-Omar HA. Assessing the level of knowledge and available sources of information about hepatitis C infection among HCV-infected Egyptians. *BMC Public Health*. **2018** 18;18(1):747.

<https://www.ncbi.nlm.nih.gov/pubmed/29914434>

Alaqeel S. Health technology assessment in Saudi Arabia. *Expert Review of Pharmacoeconomics & Outcomes Research*. **2018**; 18(4): 393-402.

<https://www.ncbi.nlm.nih.gov/pubmed/29733227>

Sinaa Al Aqeel, Norah Abanmy, Hiba AlShaya and Albatoul Almeshari. Interventions for improving pharmacist led patient counselling in the community setting: a systematic review. *Systematic Review*. **2018** 7:71

<https://www.ncbi.nlm.nih.gov/pubmed/29720247>

Alaqeel S, Hilgsmann M. Applying a best-worst scaling methodology to prioritize important attributes of counselling in community pharmacy from patients' perspective, Saudi Arabia. *Journal of Pharmaceutical Health Services Research*. **2018**;9(2):153-159.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jphs.12225>

Sinaa Al Aqeel, Norah Abanmy , Abeer Aldayel , Hend Al-Khalifa , Maha Al-Yahya, Mona Diab. Readability of written medicine information materials in Arabic language: Expert and consumer

evaluation. *BMC Health Services Research*. **2018**; 18:139.

<https://www.ncbi.nlm.nih.gov/pubmed/29482618>

AlAjmi R, **Al-Aqeel S**, Baz S. The impact of a pharmacist-led educational interview on medication adherence of Saudi patients with epilepsy. *Patient preference and adherence*. **2017**; 11:959-964.

<https://www.ncbi.nlm.nih.gov/pubmed/28572723>

Al-aqeel S, Gershuni O, Al-sabhan J, Hiligsmann M. Strategies for improving adherence to antiepileptic drug treatment in people with epilepsy. *Cochrane Database of Systematic Reviews* **2017**, Issue 2. Art. No.: CD008312. DOI: 10.1002/14651858.CD008312.pub3.

<https://www.ncbi.nlm.nih.gov/pubmed/21249705>

Alaqeel S, ALobaidi N. Patient evaluation of medication package inserts in Al Kharj city, Saudi Arabia. *Therapeutic Innovation & Regulatory Science*.**2017**;51(1):45-50.

<https://www.ncbi.nlm.nih.gov/m/pubmed/30235994/>

Hisham Aljadhey, Basmah Al-Babtain, Mansour Adam Mahmoud, **Sinaa**

Alaqeel, Yusuf Ahmed. Culture of Safety among Nurses in a Tertiary Teaching Hospital in Saudi Arabia. *Trop J Pharm Res*. **2016**; 15(3): 639-644.

<https://www.ajol.info/index.php/tjpr/article/view/133752>

Sinaa Alaqeel and Norah O. Abanmy. Counselling practices in community pharmacies in Riyadh, Saudi Arabia: a cross-sectional study. *BMC Health Services Research* **2015**, 15:557.

<https://www.ncbi.nlm.nih.gov/pubmed/26669857>

Aljadhey H, Assiri GA, Mahmoud MA, **Al-Aqeel S**, Murray M. Self-medication in Central Saudi Arabia. Community pharmacy consumers' perspectives. *Saudi Med J*. **2015** Mar;36(3):328-34.

<http://www.ncbi.nlm.nih.gov/pubmed/25737176>

L. Al Juffali, M. Watson, S. **Al-aqeel** and P. Knapp. Exploring medication safety problems in community pharmacy in Saudi Arabia. *International Journal of Pharmacy and Practice* **2014**, 22 (1):2–3.

Lobna AL Juffali, Ola AL Omran, **Sinaa AL Aqeel**. Saudi Young Patient Understanding of Information about Side Effects Verbal versus Numerical expression. *Saudi Pharmaceutical Journal* **2014**; 22(11): 33-37.

<https://www.ncbi.nlm.nih.gov/pubmed/24493971>

Al-Aqeel, SA, Al-Sabhan JF, Sultan NY. 2013. *Analysis of written advertising material distributed through community pharmacies in Riyadh, Saudi Arabia*. *Pharmacy Practice*. **2013**; 3(11):138-143.

<http://www.ncbi.nlm.nih.gov/pubmed/24223078>

Sinaa Alaqeel. *Pharmacy Students Feedback on The Use of Role-Play in Teaching Ethics. Pharmacy Education.* **2013**;13:140-14. <http://pharmacyeducation.fip.org/2013/09/pharmacy-students-feedback-on-the-use-of-role-play-in-teaching-ethics/>

Shiekha AlAujan, **Sinaa Al-Aqeel**, Abdulhaleem AlHarbi, Emad AlAbdulatief. Patients' Satisfaction with Diabetes Medications in One Hospital, Saudi Arabia. *Patient Preference and Adherence.* **2012**; 6:735-40. <http://www.ncbi.nlm.nih.gov/pubmed/23077410>.

Norah O. Abanmy, Nouf A. Al-quait, Amani H. Alami, Meshaal H. Al-Juhai, **Sinaa Al-Aqeel**. The utilization of Arabic online drug information among Adults in Saudi Arabia. *Saudi Pharmaceutical Journal.* **2012**. 20(4):317-321. <http://www.ncbi.nlm.nih.gov/pubmed/23960806>

Sinaa Al-Aqeel , Rawan Al-Anizi, Delal Alkortas, and Ghazwa Korayem . Clinical Pharmacist interventions and barriers for documenting these interventions at King Faisal Specialist Hospital and Research Center. *JKAU: Med Sci* **2012**; 19(1):89-101.

Al Aqeel S. The State of Health Economic Evaluation Research in Saudi Arabia: A Review. *ClinicoEconomics and Outcomes Research* **2012**; 4: 177–184. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3401052/>

Al Aqeel S. Evaluation of medication package inserts in Saudi Arabia. *Drug, Healthcare and Patient Safety.* **2012**; 4: 33-38. <https://www.ncbi.nlm.nih.gov/pubmed/22570572>

Sinaa A. Al –Aqeel, Mohammed S. Al-Sultan. The use of Pharmacoeconomic evidence to Support Formulary Decision Making in Saudi Arabia: methodological recommendations. *Saudi Pharmaceutical Journal.* **2012**;20(3): 187–194. <http://www.ncbi.nlm.nih.gov/pubmed/23960792>

Al-Aqeel S, Al-Sabhan J. A Survey of Psychiatrists' expectations of clinical pharmacists in Riyadh, Saudi Arabia. *Medical Principles and Practice.* **2012**;21(4):383-8. <http://www.ncbi.nlm.nih.gov/pubmed/22248869>

Al-aeel N, **Al-Aqeel S**, Abanmy N. The appropriateness of anaemia management in haemodialysis patients. *Saudi Pharmaceutical Journal.* **2012**; 20(1): 85–91. <https://www.ncbi.nlm.nih.gov/pubmed/23960781>

Al-aeel S, Al-sabhan J. Strategies for improving adherence to antiepileptic drug treatment in patients with epilepsy. *Cochrane Database of Systematic Reviews* **2011**, Issue 1. Art. No.: CD008312. <http://www.ncbi.nlm.nih.gov/pubmed/21249705>

Al-Aqeel S , Al-Salloum H, Abanmy N , AL-Shamrani A. Un-dispensed prescriptions due to drug unavailability at a teaching hospital in Saudi Arabia. *Inter J Health Res* **2010**;3: 213-216

A Al-Rwaili, **Al-Aqeel S**, Al-Nuaim L, Al-Diab A. The appropriateness of cancer pain management at KKHU. *The Gulf Journal of Oncology* **2009**;5: 37-43. <http://www.ncbi.nlm.nih.gov/pubmed/20084784>

Al-Aqeel S, Abanmy N . A survey on pharmacists working in primary healthcare centers in Riyadh city, Saudi Arabia. *Saudi Pharmaceutical Journal* **2008**;16(3): 245-251.

Al-Malaq HM, **Al-Aqeel S**, Al-Sultan MS. Adverse drug reactions related hospitalization identified by discharge ICD-9 coding a university hospital in Riyadh. *Saudi Medical journal* **2008**; 29(8): 1145-1150. <http://www.ncbi.nlm.nih.gov/pubmed/18690308>

B-REPORTS AND OTHER PUBLICATIONS

Sinaa Al-Aqeel and Einas Al-Eisa. Governance of funding diversification and enhancement of financial efficiency in universities: lesson from the European experience. *Journal of Educational Sciences*. **2019**; 31:535-560.

Al-Twairish N, Al-Dayel A, Al-Khalifa H, Al-Yahya M, **Alaqeel S**, Abanmy N and Al-Shenaifi N. MADAD: A Readability Annotation Tool for Arabic Text. Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2016). May 23, **2016**, Portorož, Slovenia.

Alotaiba S, Alyahya M, Al-Khalifa H, **Alaqeel S** and Abanmy N. Readability of Arabic Medicine Information Leaflets: A Machine Learning Approach. Symposium on Data Mining Applications, SDMA2016, 30 March **2016**, Riyadh, Saudi Arabia.

Einas AlEisa E, **Sinaa Alaqeel** Sinaa, Hana Al-Subail, Mona AlEisa. Female higher education in Saudi Arabia: suggested policies and procedures. *Faculty of Education Journal. Mansoura University* .April **2013**. Vol 83.

Einas S. Al-Eisa, Hana I. Al-Sobayel, **Sinaa Alaqeel**. (2009) Models for colleges-universities relationship in some countries: a proposed model for Saudi Arabia. Higher Education Research and Studies, Ministry of Higher Education, Saudi Arabia. (CHERS_TR_0053).

Al-Aqeel S, Al-Nuaim L, Zaghoul E. (2005) Cooperation between pharmaceutical industries and Universities. Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

C- REFEREE

- Peer reviewed Journals reviewer

(11) Research in Social and Administrative ...	WOS	(9) BMC Health Services Research	WOS
(8) Seizure: European Journal of Epilepsy	WOS	(8) Expert Review of Pharmacoeconomics ...	WOS
(6) American Journal of Pharmaceutical Ed...	WOS	(6) BMC Research Notes	WOS
(4) Acta Neurologica Belgica	WOS	(4) Pharmacoepidemiology and Drug Safety	WOS
(4) International Journal of Pharmacy Prac...	WOS	(3) BMJ Open	WOS
(3) Saudi Pharmaceutical Journal	WOS	(3) Health Expectations	WOS
(2) Journal of Pharmaceutical Health Servi...	WOS	(2) Value in Health Regional Issues	WOS
(2) Exploratory Research in Clinical and Social Ph...	WOS	(2) Pharmacy Education	WOS
(2) Patient Preference and Adherence	WOS	(1) Evaluation and Program Planning	WOS
(1) BMC Public Health	WOS	(1) European Journal of Cancer Care	WOS
(1) Current Medical Research and Opinion	WOS	(1) Expert Review of Medical Devices	WOS
(1) Saudi Medical Journal	WOS	(1) Plos One	WOS
(1) Journal of Taibah University Medical Sc...	WOS	(1) Quality of Life Research	WOS
(1) Therapeutic Innovation & Regulatory Sc...	WOS	(1) SAGE Open	WOS
(1) Journal of the American Pharmacists A...	WOS		

- Proposals submitted for the Centre of Excellence in learning and Teaching, King Saud University 2013,2019,2021.
- Abstracts submitted to the Conference of International Society of Pharmacoeconomics and Outcome Measurement (ISPOR).

D-Conferences

A **poster** was presented on “Self-reported Out-of-pocket Expenses, Income Loss, and Unpaid Informal Care Incurred By Cancer Patients in Saudi Arabia” at the International Society for Pharmacoeconomics and Outcomes Research. Europe conference, Copenhagen, Denmark **2019**.

A **poster** was presented on “Preferences for Chemotherapy Side Effects in Breast Cancer” at the International Society for Pharmacoeconomics and Outcomes Research. Europe conference, Copenhagen, Denmark **2019**.

A **poster** was presented on “Patient-reported outcome (PRO) instruments in Arabic-speaking populations: a systematic review” at the International Society for Pharmacoeconomics and Outcomes Research. Europe conference, Copenhagen, Denmark **2019**.

A **poster** was presented on “Evaluation of medication package inserts” at the 4th Global Ministerial Patient Safety Summit 2019, Jeddah, Saudi Arabia 2-3 March **2019**.

A **poster** was presented on “Hypoglycaemia Hospitalisation Cost and Length of Stay in Patients with Diabetes Mellitus: a Cross-sectional Study. “ at the International Society for Pharmacoepidemiology 11th Asian Conference on Pharmacoepidemiology (ACPE), Xi'an, China 27 - 29 October **2018**.

Presented a **talk** on “undergraduate research: the way forward” on the 8th PharmD research day 25th April 2018.

Presented a **talk** on “Patient safety: an economic perspective” at the Medication Safety Research Day. 11th April 2017. the Research Center, Scientific and Medical studies Center, King Saud University.

Presented a **talk** on “Faculty productivity: a personal reflection” for Saat Marrefha. March 2017.

A **poster** was presented at The 22nd Health Services Research and Pharmacy Practice Conference s entitled ‘Exploring medication safety problems in community pharmacy in .Saudi Arabia’ **2014**; Aberdeen, UK

A **poster** was presented at The 14th European Association for Hospital Pharmacists entitled ‘Dispensing practice in Saudi community pharmacy’ 13-15 March **2013**; Paris, France. (3rd Prize winner)

A **poster** was presented at The 12th European Conference on Health Economics entitled ‘Resource utilisation and costs associated with scheduled maintenance therapy with infliximab versus adalimumab for treatment of adult patients with crohn’s disease in one teaching hospital, Saudi Arabia’ 18-21 July **2012**; Zurich, Switzerland.

Participated in the 2nd Saudi Pharmacoeconomic Conference 28-30 April **2012**, Gave a **paper** on “Resources utilisation associated with adverse events in one Saudi teaching hospital ”.

Participated in the 1st Saudi Pharmacoeconomic Conference 5-6 June **2011**, Gave a **paper** on “A Systematic Review of Economic Evaluation Literature in Saudi Arabia: Are there Data to be Used by Policy-Makers?.

A **poster** was presented at The 8th Saudi Pharmaceutical International Conference entitled ‘Adherence to antibiotic restriction policy and its effects on outcomes and costs in the NGHHA’, 26-28 April **2010**.

A **poster** was presented at The 8th Saudi Pharmaceutical International Conference entitled ‘The appropriateness of anaemia management in dialysis patients’ 26-28 April **2010**.

A **poster** was presented at The 8th Saudi Pharmaceutical International Conference entitled 'Psychiatrists' expectations of clinical pharmacists' 26-28 April **2010**.

A **poster** was presented at The 7th Saudi Pharmaceutical International Conference entitled 'Adverse drug reactions related hospitalization identified by discharge ICD-9 code, 29-31 March **2007**. (1st prize in Poster Competition)

Participated in the 9th international Pharmaceutical Science Conference and Exposition held in December, **2005**, at the King Saud University, Riyadh, KSA: Gave a **paper** on "Comprehensive review of health-related quality of life outcome measures in clinical trials of epilepsy".

A **poster** was presented at the Pharmacy: A profession in transition Symposium entitled "Pharmacists working in primary healthcare centers: are they ready to expand their role?", 19-25 April **2005**(10-11 Rabi I 1426) , Riyadh, Kingdom of Saudi Arabia.

Participated in the Cooperation between universities and private sector in research and development held in April **2005** (1-3 Rabi 1 1426), at the King Saud University, Riyadh, KSA. Gave a **paper** on "Cooperation between pharmaceutical industries and universities".

Participated in the Fifth University and Society Week held in December **2004** (27-30 Rabi 1 1425), at the King Saud University, Riyadh, KSA. Gave a **paper** on "Adverse drug reactions: can we avoid them".

A **poster** was presented at the British Pharmaceutical Conference entitled "Anaesthesia practice in orthopaedic surgery, 23-25 September **2002**, Manchester, U.K. Published in *Int J Pharm Pract* 2001;9(Suppl):R37.

A **poster** was presented at the British Pharmaceutical Conference entitled "Obtaining patient specific perioperative anaesthesia costs" , 23-26 September **2001**, Glasgow, U.K. Published in *Int J Pharm Pract*. 2002;10(Suppl):R25.

A **paper** was presented at the Health Service Research and Pharmacy Practice Conferences at Leeds University, Leeds, UK on 19-20 April **2001**. Title of the paper was "Analysis of anaesthesia related costs in orthopaedic surgery."

E-WORKSHOPS

Journals ranking 25th August 2021

Systematic reviews and metanalysis

Presented a **workshop** on "Scientific Writing" for KSU Research Center for Scientific and Medical colleges on 28th March 2021.

Presented a series of **workshop** on "Mentoring" for Deanship of skills development Princess Noura university on 15 October 2021.

Presented a **workshop** on “Research proposal writing” for KSU Deanship of Skills Development on 25th September 2018.

Presented a **workshop** on "Mentoring" for Deanship of skills development on 15 October 2014.

Gave a **presentation** on Searching Pubmed database at the Research Center, Scientific and Medical studies Center, King Saud University 30 September 2012.

Gave a **presentation** on Research Methodology at the Research Center, Scientific and Medical studies Center, King Saud University 15 March 2011.

Chaired a session in "Medication Safety in Saudi Arabia: Opportunity and Challenges” workshop held on March 7 – 2011 by the Medication Safety Chair, King Saud University

Speaker in Outcome Based Education workshop on the 3-4th May **2010**, conducted by education and academic affairs rectorate in collaboration with quality and development rectorate, King Saudi University, Saudi Arabia. **Gave a paper** on Outcome based Education: designing the course.

Speaker in Train the Trainer workshop conducted by Sheikh BaHamdan Research Chair for Evidence Based Healthcare and Knowledge Translation on the 5th April **2009**, Saudi Arabia. **Gave a paper** on "Evidence based pharmacoeconomics".

Facilitator in the 4th GCC Evidence Based Clinical Practice Workshop which was held at King Khalid University Hospital, Riyadh, Kingdom of Saudi Arabia from 22nd -27th of November **2008**.

Speaker in the “Pricing of Pharmaceutical Products” workshop conducted by the Saudi Food and Drug Authority on 20-21 May **2008**.

Group Supervisor, “students’ views about the strength and weakness of KSU” workshop conducted by the Studies, Development, Follow UP Council of the University on 19th of March **2008** under the Strategic Planning Project at KSU.

Facilitator in the 3rd GCC Evidence Based Clinical Practice Workshop which was held at King Khalid University Hospital, Riyadh, Kingdom of Saudi Arabia on the 17-21st of March **2007**.

Facilitator in the 2nd GCC Evidence Based Clinical Practice Workshop which was held at King Khalid University Hospital, Riyadh, Kingdom of Saudi Arabia on the 17-21st of March **2007**.

Coordinator and speaker in the “Biomedical literature evaluation” workshop which was held at King Saud University, Riyadh, Kingdom of Saudi Arabia on the 22nd of December **2005**.

Speaker in the “Pharmacoeconomics” workshop conducted at the Postgraduate Training Center, King Abdul Aziz Medical City, Riyadh, Kingdom of Saudi Arabia on the 13th of April **2005** (04 Rabi I 1426).

SELF DEVELOPMENT

Attended over 60 workshops, short courses, or conferences on leadership, teaching and learning, quality assurance, and pharmacy.

A-LEADERSHIP

"Leadership and Administrative Creativity" Deanship of skills Development at King Saud University 11-12 April **2015**, Saudi Arabia.

"Organizational Development " workshop conducted by Ministry of Higher Education, Academic leadership development Center on 6 April **2015**, Saudi Arabia.

"Change Management" workshop conducted by Ministry of Higher Education, Academic leadership development Center on 5 April 2015, Saudi Arabia.

"Learning to Think Strategically" workshop conducted by Deanship of skills Development at King Saud University 10-11 December **2012**, Saudi Arabia.

"Mentoring - Getting the Most from Your Academic Role" workshop conducted by Deanship of skills Development at King Saud University 14 September **2011**, Saudi Arabia.

"Women and Power: leadership in a new world" workshop conducted by Harvard Kennedy School, Executive Education programs, USA from 15th to 20th May **2011**.

"Governance of Research in Health specialties" workshop 22 February **2011** conducted by Vice Rectorship for health specialties, at King Saud University, Saudi Arabia.

"Argumentation (psychological principles for refutation and persuasion)" workshop conducted by Deanship of skills Development at King Saud University from 8-9 May **2010**, Saudi Arabia.

"Recruiting ,Developing , And Retaining A Faculty For the Twenty-First Century" workshop conducted by Ministry of Higher Education, Academic leadership development Center on 10-11 January **2011**, Saudi Arabia.

"The essential academic leader" workshop conducted by Ministry of Higher Education, Academic leadership development Center on 9-10 January **2010**, Saudi Arabia.

"Leading in Academic Setting" conducted by Academic Leadership Development Program, Ministry of Higher Education from 13-14 April **2009** , Saudi Arabia.

"Constructing and Managing of work teams" workshop conducted by Deanship of skills Development at King Saud University from 28-30 March **2009**, Saudi Arabia.

"Leadership Training for Managers" conducted by Dale Carnegie Training from 9-11 February **2009**, Saudi Arabia.

"Leading Academic Department" conducted by Deanship of skills Development at King Saud University from 18-19 November **2008**, Saudi Arabia.

"Staff Performance Assessment" workshop conducted by Deanship of skills Development at King Saud University from 24-26 May **2008** (19-21/5/1429 H), Saudi Arabia.

"Strategic Planning and Effective Leadership" workshop hosted by KSU Strategic planning project on 28th of June **2008**, Saudi Arabia.

B-TEACHING SKILLS

"Learning quality manager certificate program" conducted by Deanship of skills Development at King Saud University from 27-28 February **2019**, Saudi Arabia.

King Saud Faculty Development Training workshop at the Academy for Teaching and Learning Excellence (ATL). University of South Florida. 16-20 June **2014**.

"Assessment of Learning Outcome" workshop conducted by Deanship of skills Development at King Saud University 3-4 December **2012**, Saudi Arabia.

"Effective Teaching" conducted by Deanship of skills Development at King Saud University from 1-2 December **2012**, Saudi Arabia.

"Professional Teaching competencies in HE" workshop conducted by Deanship of skills Development at King Saud University, 10 November **2012**, Saudi Arabia.

"Cooperative Learning" workshop conducted by Deanship of skills Development at King Saud University 28-29 August **2012**, Saudi Arabia.

"Learning Outcome Assessment" workshop conducted by Deanship of skills Development at King Saud University 22-23 May **2012**, Saudi Arabia.

"Engaging Students in Discussion and Group Activities" workshop conducted by Deanship of skills Development at King Saud University 14 September **2011**, Saudi Arabia.

Learning, Teaching and Assessment for Health Colleges Program strategic plan, Rectorship of Health Sciences and Partners Harvard Medical International, King Saud University on 2-3 April **2011**.

Assessing competencies in health science education workshop, conducted by Medical Education chair, at King Saud University on 19-20th December **2010**, Saudi Arabia.

"Teaching how to teach" workshop conducted by Partners Harvard Medical International and Vice Rectorship for health Specialities, King Saud University on 30 November-2 December **2010**.

"Assessment of Students Learning" workshop conducted by Deanship of skills Development at King Saud University on 20 September **2010**, Saudi Arabia.

"Teaching using active learning" workshop conducted by Deanship of skills Development at King Saud University on 21 September **2010**, Saudi Arabia.

"Using active learning techniques effectively" workshop conducted by Deanship of skills Development at King Saud University on 17-18th May **2010**, Saudi Arabia.

"Classroom learning: curriculum and teaching methods". The 8th Saudi Pharmaceutical International Conference 24 April **2010**.

"Assessment in Health education" workshop, conducted by Medical Education chair, at King Saud University on 7th April **2010**, Saudi Arabia.

"Learning system Management" workshop conducted by Deanship of skills Development at King Saud University on 6th April **2010**, Saudi Arabia.

"Constructing of Collective tests" conducted by Deanship of skills Development at King Saud University on 19-20th January **2010** (4-5/2/1431 H), Saudi Arabia.

"Course Design" conducted by Deanship of skills Development at King Saud University on 21st April **2009**, Saudi Arabia.

"Innovative Assessment: writing high quality MCQ Items, conducted by King Saud bin Abdulaziz University for health science on 7th May **2008**, KSU, Saudi Arabia.

"Planning for Effective Teaching" conducted by Deanship of skills Development at King Saud University from 19-21 April **2008** (13-15/4/1429 H), Saudi Arabia.

"Quality Assurance in Health Courses in KSA: dentistry and Pharmacy as a Model" symposia held on the 5th of November **2007** by the Riyadh College of Dentistry and Pharmacy.

"Quality Assurance for Educational Programs" workshop conducted by the National Commission for Academic Accreditation & Assessment, on 3-4 December **2006**, Saudi Arabia.