

Faculty Portofolio

Dr. Sirajudeen Shaik Alavudeen

Lecturer

Clinical Pharmacy Department

College of Pharmacy

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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2015	Ph.D (Pharmaceutical sciences)	Annamalai University, Chidambaram, Tamil Nadu, India
2001	M.Pharm (Pharmacy practice)	The Tamil Nadu Dr.M.G.R.Medical University, Chennai, India
1998	B.Pharm	The Tamil Nadu Dr.M.G.R.Medical University, Chennai, India

Professional experience:

Year	Positions	University/College, Country
November 2009 to till now	Lecturer	College of Pharmacy, Department of clinical pharmacy, King Khalid university, Abha, Saudi Arabia.
February 2003 to August 2009	Pharmacist	United Pharmaceutical Est, Khamis Mushait, Kingdom of Saudi Arabia
Jan 2001 to Jan 2003	Lecturer	Thanthai Roever College of Pharmacy, Perambalur, Tamil Nadu, India.

Community service activities

Year	Positions & Name of the Project	University/Company, Country
2012	Awareness campaign on "World Diabetes Day"	King Khalid University
2013	Awareness campaign on "World Diabetes Day"	King Khalid University

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
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2022	Best poster award	Research committee, COP, King Khalid University, Abha, Saudi Arabia
2021	Best poster award	Research committee, COP, King Khalid University, Abha, Saudi Arabia
2018	Best student research	Research committee, COP, King Khalid University, Abha, Saudi Arabia
2017	Best student research	Research committee, COP, King Khalid University, Abha, Saudi Arabia

Workshops/ Trainings:

Year	Title	University/Company, Country
2013	Advanced Tablet Technology	King Khalid University, Abha, Saudi Arabia
2015	The second pharmacy symposium	Armed force hospital, southern region, Abha, Saudi Arabia
2016	Pharmaceutical compounding in sterile preparations	Saudi German Hospital, Abha, Saudi Arabia
2021	Second annual COVID-19 conference	Online conference, Dubai
2021	8 th annual GCC pharmacy congress	GCC pharmacy congress

Research interests:

- Pharmacoeconomics
- Pharmacovigilance
- Outcomes research

Teaching experience:

Taught to Bachelor of Pharmacy (BPharm), and Doctor of Pharmacy (PharmD) programs the following subjects

- Pharmacotherapeutics
- Drug information
- Clinical Pharmacy Administration
- Hospital Pharmacy
- Drug information
- Therapeutics

- Pharmacy Administration
- Hospital Pharmacy
- Communication skills in pharmacists
- Pharmacoepidemiology and pharmacoconomics
- Self-care and non-prescription drugs

Professional membership:

Year	Name of the professional Body	Role
2001	Tamil Nadu Pharmacy Council, Chennai. India	Registered pharmacist
2001	Association Pharmaceutical Teachers of India (APTI),	Life member
2002	Indian Pharmaceutical Association	Life member
2009	Saudi commission for Health Specialities	Registered pharmacist

Publications:

1. Akhtar MS, Alavudeen SS, Raza A, Imam MT, Almalki ZS, Tabassum F, Iqbal MJ. Corrigendum to " Current understanding of structural and molecular changes in diabetic cardiomyopathy"[Life Sciences 332 (2023) 122087]. Life sciences. 2023 Nov 8:122168.
2. Easwaran V, Shorog EM, Alshahrani AA, Mohammad AA, Sadiq MM, Alavudeen SS, Khan NA, Akhtar MS, Almeleebia TM, Alshahrani SM. Knowledge, Attitudes, and Practices Related to Cervical Cancer Prevention and Screening among Female Pharmacy Students at a Public University in a Southern Region of Saudi Arabia. InHealthcare 2023 Oct 22 (Vol. 11, No. 20, p. 2798). MDPI.
3. Easwaran V, Sadiq MM, Alavudeen SS, Alshahrani SM, Khan NA, Rajavardhana T, Pillai MS. Comparative Analysis of Knowledge, Awareness and Practice towards rational use of face masks between healthcare and non-healthcare individuals during the COVID-19 Pandemic. Research Journal of Pharmacy and Technology. 2023 Sep 30;16(9):4281-7.
4. Akhtar MS, Alavudeen SS, Raza A, Imam MT, Almalki ZS, Tabassum F, Iqbal MJ. Current understanding of structural and molecular changes in diabetic cardiomyopathy. Life Sciences. 2023 Sep 13:122087.
5. Paulsamy P, Venkatesan K, Alshahrani SH, Ali MH, Prabahar K, Veeramani VP, Elfaki NK, Ahmed RE, Elsayes HA, Abdalla YH, Mohammed OB. Parental health-seeking behavior on self-medication, antibiotic use, and antimicrobial resistance in children. Saudi Pharmaceutical Journal. 2023 Sep 1;31(9):101712.

6. Sharma AK, Bisht P, Gupta B, Akhtar MS, Alavudeen SS, Afzal O, Altamimi AS. Investigating miRNA subfamilies: can they assist in the early diagnosis of acute myocardial infarction?. *Drug Discovery Today*. 2023 Jul 3:103695.
7. Alshaiban A, Alavudeen SS, Alshahrani I, Kardam AM, Alhasan IM, Alasiri SA, Imam MT, Almalki ZS, Akhtar MS. Impact of Clinical Pharmacist Running Anticoagulation Clinic in Saudi Arabia. *Journal of Clinical Medicine*. 2023 Jun 7;12(12):3887.
8. Alavudeen SS, Easwaran V, Khan NA, Venkatesan K, Paulsamy P, Mohammed Hussein AT, Imam MT, Almalki ZS, Akhtar MS. Cardiovascular Disease-Related Health Promotion and Prevention Services by Pharmacists in Saudi Arabia: How Well Are They Prepared?. *InHealthcare* 2023 May 31 (Vol. 11, No. 11, p. 1614). MDPI.
9. Krishnaraju V, Alghazwani Y, Durgaramani S, Asiri YI, Prabahar K, Kalpana K, Rajalakshimi V, Noohu AK, Premalatha P, Sirajudeen SA, Kumar V. Beneficial effects of Naringin against lopinavir/ritonavir-induced hyperlipidemia and reproductive toxicity in male albino rats. *European Review for Medical & Pharmacological Sciences*. 2023 May 1;27(9).
10. Akhtar MS, Hassan MQ, Siddiqui A, **Alavudeen SS**, Afzal O, Altamimi AS, Rahman SO, Khurana M, Ahsan MJ, Sharma AK, Tabassum F. Levosimendan: mechanistic insight and its diverse future aspects in cardiac care. *Acta Cardiologica*. 2022 Nov 15:1-8. doi: 10.1080/00015385.2022.2115761.
11. Venkatesan K, Sivadasan D, Thangavel N, Alshahrani SH, Paulsamy P, Muthugounder K, Prabahar K, Elhassan GO, Krishnaraju K, **Sheikh Alavudeen S**, Venkatesan K. Strategies to Improvise Organ Donor Pool: A Study on the Knowledge, Attitudes, and Performance of Higher Secondary School Teachers Towards the Organ Donation. *BioMed Research International*. 2022 Jun 28;2022.
12. **Shaik Alavudeen S**, Basharat V, Khaled Bahamdan A, Easwaran V, Khaled Bahamdan G, Akhtar MS, Alshahrani S, Alqahtani A, Venkatesan K. Knowledge, attitude and preparedness of healthcare students toward basic life support at King Khalid University, Abha, Kingdom of Saudi Arabia. *Clinical and Experimental Hypertension*. 2022 Oct 3;44(7):634-40.
13. **Alavudeen SS**, Asiri AA, Fageeh SA, Aljarie AA, Iqbal MJ, Khan NA, Tabassum F, Rahamathulla M, Hani U, Akhtar MS. Evaluation of Antibiotic Prescribing Practices and Antimicrobial Sensitivity Patterns in Urinary Tract Related Infectious Diseases in Pediatric Patients. *Frontiers in Pediatrics*. 2021:1440.
14. Easwaran V, 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 Journal of Health and Research*. 2021 Apr 1;8(2):89-94.

15. **Alavudeen SS**, Easwaran V, Mir JI, Shahrani SM, Aseeri AA, Khan NA, Almodeer AM, Asiri AA. 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 Jul 1;29(7):775-80.
16. Orayj K, Almeleebia T, Vigneshwaran E, Alshahrani S, **Alavudeen SS**, Alghamdi W. Trend of recognizing depression symptoms and antidepressants use in newly diagnosed Parkinson's disease: Population-based study. *Brain and Behavior*. 2021 Aug;11(8):e2228.
17. **Alavudeen SS**, Alshahrani SM, Shabnan AS, Easwaran V, Noohu Abdulla KH, Alhathem FS, Shahrani FA. Comparative Assessment of Knowledge, Attitude, and Practice of Pharmacovigilance among Healthcare Professionals in Asir Region of Saudi Arabia. *Lat. Am. J. Pharm*. 2021 Jan 1;40(1):29-38.
18. **Shaik Alavudeen S**, Alshahrani SM, Vigneshwaran E, Abdulla Khan N, Mir JI, Hussein AT. Treatment intensification in type 2 diabetes management after the failure of two oral hypoglycemic agents: A non-interventional comparative study. *International Journal of Clinical Practice*. 2021 Mar;75(3):e13802.
19. Alakhali KM, Sultan MA, **Alavudeen SS**, Irawati L, Morad AA. Health-related quality of life in patients with diabetes using sf-20 questionnaire in aseer region, saudi arabia. *European journal of clinical pharmacy: atención farmacéutica*. 2020;22(3):142-9.
20. Alshahrani SM, Noohu Abdulla KH, Easwaran V, Iqbal MJ, **Alavudeen SS**. Effects of Virtual Education on Clinical Pharmacy Practice in Saudi Arabia: Implementation of Simulation-Based Education. *Lat. Am. J. Pharm*. 2020 Jan 1;39(12):2520-6.
21. Sultan MA, Mohammed A. Asiri, Waleed M. Buraidi, Amer S. Al-Swaid, Vigneshwaran Easwaran, Ali M. Alqahtani, Noohu A. Khan, **Sirajudeen S. Alavudeen** & Yahia M. Al-Khaldi. Arabia S. A questionnaire-based study for weight loss products in Aseer region of Saudi Arabia. *Lat. Am. J. Pharm*. 2020;39(12):2490-7.
22. Alshahrani SM, Alzahran M, Alakhali K, Vigneshwaran E, Iqbal MJ, Khan NA, Othman A, Al-Worafi Y, **Alavudeen SS**. Association Between Diabetes Consequences and Quality of Life Among Patients With Diabetes Mellitus in the Aseer Province of Saudi Arabia. *Open Access Macedonian Journal of Medical Sciences*. 2020 May 30;8(E):325-30.
23. **Alavudeen SS**, Khobrani M, Dhanapal CK, Mir JI, Alshahrani SM, Khan NA, Alhossan A. Comparative evaluation of biphasic insulin with metformin and triple oral

hypoglycemic agents (OHA) in type 2 diabetes patients. Saudi Pharmaceutical Journal. 2020 Feb 1;28(2):210-4..

24. Vigneshwaran E, Harichandana V, Sadiq MM, **Alavudeen SS**, Khan NA, Ahmed T. Knowledge, attitude and practice of community pharmacists towards adverse drug reactions reporting. Journal of Young Pharmacists. 2020;12(1):75-80.
25. Alshahrani SM, **Alavudeen SS**, Alakhali KM, Al-Worafi YM, Bahamdan AK, Vigneshwaran E. Self-medication among king khalid university students, Saudi Arabia. Risk management and healthcare policy. 2019 Nov 14:243-9.
26. **Alavudeen SS**, Vigneshwaran E, Asiri SA, Alahmari MH, Mohammed MA, Algahtani T, Khan NA. Distribution of multi-resistant bacterial isolates from clinical specimens in a hospital environment of Kingdom of Saudi Arabia. Journal of Young Pharmacists. 2017;9(3):347-51.
27. Vigneshwaran E, Madineni M, Sake K, Alakhali K, **Sirajudeen S**, Khan N. Comparative analysis of cost and efficacy for mono and dual therapy of antiepileptics among children. Drug Development and Therapeutics. 2017 Jan 1;8(1):25-9
28. **Sirajudeen SA**. Evaluation of Glycemic Control with the Combination of Biphasic Insulin and Metformin Therapy in Type 2 Diabetes Mellitus Patients. Value in Health. 2016 Nov 1;19(7):A896.
29. **Shaik Alavudeen S**, Mohammed Alakhali K, Mohammad Asif Ansari S, Abdulla Khan N. Prescribing pattern of antihypertensive drugs in diabetic patients of Southern Province, Kingdom of Saudi Arabia.
30. Noohu Abdulla Khan N, VV Venkatachalam V, Al Akhali KM, **Alavudeen SS**, Dhanapal CK, Asif Ansari Shaik Mohammad A. Overview of glycemic control, knowledge, awareness and attitude among type-2 diabetes male patient's. Journal of Applied Pharmacy. 2015;7(1):75-82.
31. Mohammad Ahmad Awwad Al-qahtani M, Noohu Abdulla Kan N, Alakhali KM, **Alavudeen SS**. Impact of family history in glycemic control among Type 2 Diabetes Mellitus patients in aseer diabetic center. Int. Res. J. Pharm. 2015;6(3):191-4.
32. Khan NA, Venkatachalam VV, **Alavudeen SS**, Alakhali KM, Dhanapal CK. Study on therapeutic outcome, attitude and awareness about type-2 diabetes among type-2 diabetic female patients in aseer diabetic center. Pharmacie Globale. 2014;5(1):1.
33. **Sirajudeen. SA***, Dr.C.K Dhanapal, Dr.Khaled M.Al Akhali, Noohu Abdulla Khan, Dr.V.V.Venkatachalam. Benefits and pitfalls of using insulin in the management of type 2 diabetes patients: a clinical evaluation. J App Pharm. 2014;6(4):416-26.

34. **Sirajudeen SA***, Dhanapal C K , Noodhu A K, Daniel S P, Venkatachalam V V, Khaled M A. Type 2 Diabetes Patients on Dual Oral Therapy: Does Glycemic Control Continue to Deteriorate in these Patients?. Indian Journal of Pharmacy Practice, 2014; 7(1):41-46.
35. **Alavudeen SS**, Dhanapal CK, Alakhali KM, Venkatachalam W, Khan NA. An analysis of basal insulin added to dual oral therapy in type 2 diabetes patients. European journal of clinical pharmacy: atención farmacéutica. 2014;16(6):5
36. Khan NA, Venkatachalam VV, **Alavudeen SS**, Dhanapal CK, Pauliah SD, Al Akhali KM. Glycemic control objective achieved and role of certain factors on type 2 diabetes mellitus patients in Southwestern region, Saudi Arabia. J Pharm Res. 2014 Jan;8:45-8.
37. Khan NA, Venkatachalam V, Alakhali KM, **Alavudeen SS**, Ck D, Ansari SM. Therapeutic management of hypertension and hyperlipidemia in type-2 diabetes mellitus patients in southwestern region of Saudi Arabia: A pharmacist perspective. Asian Journal of Pharmaceutical and Clinical Research. 2014;17:3143-421-5.
38. Al Akhali KM, **Alavudeen SS**. Multiple dose of liquid antacid enhance simvastatin bioavailability in Malaysian male volunteers. Asian Journal of Pharmaceutics (AJP). 2014;8(2):90-94.
39. Alakhali KM, Ansari SM, **Alavudeen SS**, Khan NA. Medication errors at the outpatient pharmacy in Aseer Region Kingdom of Saudi Arabia. European Journal of Clinical Pharmacy. 2014;16(2):144-6.
40. **Alavudeen SS**, Dhanapal CK, Khan NA, Al Akhali KM, Paulliah SD. Prevalence and control of cardiovascular risk factors among type 2 diabetes mellitus patients in southern region of Saudi Arabia. Journal of Young Pharmacists. 2013 Dec 1;5(4):144-7.
41. **Sirajudeen SA**, Danapal CK, Abdulla NK, Sam DP, Khalid MA. Comparison of efficacy and safety of basal and premixed insulin regimens among Type II diabetes patients transiting from oral agents to insulin. Indian Journal of Pharmacy Practice. 2013;6(4):27-32.
42. Alakhali KM, Alzomor A, **Alavudeen S**, Khan N, Dawbaa S. Bacterial resistance of antibiotics used in urinary tract infection. Asian J Pharm Clin Res. 2013;6(1):87-91.
43. Al Akhali KM, Alzomar AK, Khan NA, **Alavudeen SS**. Misuse of antibiotics and awareness of antibiotic hazard among the public and medical professionals in Tamar province, in republic of Yemen. Pharmacie Globale. 2013;4(1):1-4.

44. Algarni AM, Khan NA, **Alavudeen SS**. Awareness and Causes of Diabetic Foot Ulcers Among Diabetic Patients at Aseer Diabetic Center. *Pharmacie Globale*. 2013 Jul 1;4(7):1.
45. Alakhali KM, Daniel PS, Noohu AM, **Sirajudeen SA**. Patient medication adherence and physician prescribing among congestive heart failure patients of Yemen. *Indian journal of pharmaceutical sciences*. 2013 Sep;75(5):557-62
46. Khan NA, Venkatesan K, **Alavudeen SS**, Chidambaram K, Easwaran V, Pappiya EM, Paulsamy P, Vasudevan R, Krishnar K. Effect of Rosiglitazone Adverse Effect on Bone Markers Reversed by Salvia Miltiorrhiza Extract. *IAR Journal of Pharmacy*. 2021 Sep 10;2(5):31-35.
47. Khan NA, Vasudevan R, Venkatesan K, Easwaran V, **Alavudeen SS**, Pappiya EM, Paulsamy P, Krishnaraju K. Effect of Fructus Ligustri Lucidi on Bone Quality in a Rat Model of Diabetes. *IAR Journal of Pharmacy*. 2021 Sep 10;2(5):22-25.
48. Venkatesan K, Khan NA, **Alavudeen SS**, Easwaran V, Paulsamy P, Pappiya EM, Natarajan R, Krishnaraju K, Venkatesan K. The Enhancement of Bone Protective Effect of Sesamin against Rosiglitazone-Induced Bone Loss in Type 2 Diabetic Rats. *IAR Journal of Pharmacy*. 2021 Aug 31;2(4):5-9.
49. Venkatesan K, Khan NA, Alavudeen SS, Pappiya EM, Paulsamy P, Natarajan R, Krishnaraju K, Venkatesan K, Chidambaram K. Rhizoma Drynariae protects against Canaglifloxacin induced bone loss. *Int. J. Curr. Res. Chem. Pharm. Sci*. 2021;8(9):22-8.
50. Asseri KA, Asiri YI, Alqahtani A, Venkatesan K, Khan NA, Alavudeen SS, Pappiya EM, Paulsamy P, Natarajan R, Krishnaraju K, Venkatesan K. Herba Epimedii extraction overcome Rosiglitazone induced bone loss in diabetic rats. *Int. J. Curr. Res. Chem. Pharm. Sci*. 2021;8(9):7-14.
51. Venkatesan K, Paulsamy P, Natarajan R, Krishnaraju K, Venkatesan K, Vasudevan R, Chidambaram K, Khan NA, Alavudeen SS. Protective Effects of Eucommiae Cortex against Anti-Diabetic Drug Induced Bone Loss. *IAR Journal of Pharmacy*. 2021 Aug 31;2(4):1-4

Conference attendance/presentations:

- **Sirajudeen Shaik Alavudeen**, Khaled Mohammed Alakhali, Shaik Mohammad Asif Ansari, Noohu Abdulla Khan. Assessment of Utilization Pattern of Antihypertensives among Type 2 Diabetes Hypertensive Patients at Asir Region – poster presented in the 8th Annual Scientific Research Day, King Khalid University, 1433H- 14-15 May 2012.

- Noohu Abdulla Khan, Khaled Al-akhali, **Sirajudeen**, Mohmmmed abdulwahab, Yahya Ali (2012). Pharmacist's attitude towards dispensing errors: Their causes and preventive measures. The 8th Annual Scientific Research Day, King Khalid University, 1433H- 14-15 May 2012
- Sultan Mohammed Alshahrani, Noohu Abdullah Khan, **Sirajudeen Shaik Alavudeen**, Easwaran Vigneshwaran. Evaluation of health-related quality of life of patients with diabetes-- poster presented in the The 9th Annual Scientific Research Day, King Khalid University, 1434H-18 May 2013.
- **Sirajudeen SA**, Khalid Alakhali, Noohu NA, Vigneshwaran E . Evaluation of glycemic control with the combination of biphasic insulin and metformin therapy in type 2 diabetes mellitus patients, Poster session presented at the ISPOR 7th Asia-Pacific Conference, Singapore.
- **Sirajudeen Shaik Alavudeen**, Hamza Omar Hakami, Mazen Saleh Assiri, Khatimah, Amjad Abdullah, Asrar. Prevalence, Determinants and Practices of selfmedication among general public in Aseer Region, Kingdom of Saudi Arabia. Poster session presented at the 5th Pharmacy Reseach Day 2017, organized by the college of Pharmacy at Qassim University.
- **Sirajudeen S. Alavudeen**, Easwaran Vigneshwaran, Sultana Ali Abdullah Asiri, Manal HamoodAwadAlahmari, Maha Abdullah Mohammed, Thekra Mohammad Alqahtani. Distribution of multi-resistant bacterial isolates from clinical specimens in a hospital environment of Kingdom of Saudi Arabia. Poster session presented at the 12th Annual Colleges' Research Day, King Khalid University
- Noohu Abdulla Khan, Mohammad Ahmad Awwad Al qahtani, Khaled M Alakhali, **Sirajudeen S. Alavudeen**. Impact of Family History in Glycaemic Control among Type- 2 Diabetes Mellitus Patients in Aseer Diabetic Center. Poster session presented at the 12th Annual Colleges' Research Day, King Khalid University.
- **Sirajudeen Shaik Alavudeen**, AbdulAziz Hassan Saeed Al-Rifdah. Prevalence and Nature of Handwritten Outpatients' Prescription Errors in Asir Region, K.S.A. Poster session presented at the 13th Annual Research Day, King Khalid University, 10th April, 2018.
- **Sirajudeen Shaik Alavudeen**, Sultan Mohammed Alshahrani, Noohu Abdullah Khan, Easwaran Vigneshwaran. Therapeutic intensification strategies in type 2 diabetes management after the failure of two OHA: A comparative study. Poster session presented at the 14th Annual Colleges' Research Day, King Khalid University, 2nd April, 2019.

- **Sirajudeen Shaik Alavudeen**, Sultan Mohammed Alshahrani, Vigneshwaran Easwaran, Noohu Abdullah Khan, Abdullah Saad Shabnan, Fawaz Saad Alhathem, Faisal Ali Shahrani. “Assessment of knowledge, attitude, and practice towards pharmacovigilance system among healthcare professionals in Asir region, KSA”. Poster session presented at Saudi International Medical Education Conference SIMEC 2020, College of Medicine, King Khalid University, Abha, Saudi Arabia on 7th to 9th April 2020.
- Sultan M Alshahrani, Noohu Abdulla Khan, Vigneshwaran Easwaran, Mir Javid Iqbal, **Sirajudeen Shaik Alavudeen**. “Implementation of Simulation-Based Education in Introductory Pharmacy Practice Experience in Saudi Arabia”. Poster session presented at Saudi International Medical Education Conference SIMEC 2020, College of Medicine, King Khalid University, Abha, Saudi Arabia on 7th to 9th April 2020.