

Safa Abdulraheem Mohamed Badi

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Google Scholar Account: https://scholar.google.com/citations?user=6sXv_eQAAAAJ&hl=en

SUMMARY

Consultant clinical pharmacist and Assistant professor of clinical pharmacy, Researcher and Biostatistician.

Having worked in the university as a lecturer since 2013 and as a head of the department, I have a long experience regarding the proper ways of teaching methods.

Contributed in and supervised many researches at undergraduate and postgraduate levels

Have published 41 original articles In peer reviewed journals in the Clinical pharmacy, Hospital pharmacy, Pharmacy practice, Family medicines, Public health areas.

Biostatistician and research methodology expert for more than 7 years

WORK HISTORY

- Assistant professor and lecturer of biostatistics, communication skills and therapeutics in the faculty of postgraduate studies, Clinical pharmacy master program, Omdurman Islamic University (From February 2023 to present).
 - Assistant professor of the clinical pharmacy, faculty of pharmacy, Al Nahda International College, Khartoum, Sudan (From December 2022 – to present).
 - Member of the editorial board of the " Omdurman Journal of pharmaceutical sciences (OJPS)"(From JUNE 2022 – to present).
 - Assistant professor of the clinical pharmacy, faculty of pharmacy, Omdurman Islamic University, Khartoum, Sudan (From May 2022 to present).
 - Assistant professor of the clinical pharmacy, faculty of pharmacy, Almutgharibeen University, Khartoum, Sudan (From May 2022 to present).
 - Clinical pharmacy lecturer at the clinical pharmacy department, Omdurman Islamic University, Faculty of Pharmacy located in Omdurman (From January 2013 – to May 2022).
 - The head of the Clinical Pharmacy Department, Faculty of Pharmacy, Omdurman Islamic University (From November 2019 to present).
 - Coordinator of the Clinical Pharmacy Master program, Faculty of higher studies, Omdurman Islamic University (From February 2020 to present).
 - Clinical pharmacy part-time lecturer in the clinical pharmacy department, National University, faculty of pharmacy located in Khartoum (From February 2013 –to April 2014).
 - Clinical pharmacy consultant (From October 2021 to present).
 - Clinical pharmacy specialist at Omdurman military hospital (From 9 September 2018 to October 2021).
 - Clinical pharmacy part-time cooperator in the clinical pharmacy department, Omdurman Islamic University, faculty of postgraduate studies (From April 2013 to 2022).
 - Pharmacy manager at REHAM PHARMACY (January 2010).
 - Pharmacy manager at EL WASILA PHARMACY (From December 2006 - December 2009).
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EDUCATION

- A candidate for Master of health professions education at the Sudan Medical Specialization Board since February, 2023.
- PhD degree in clinical pharmacy with an excellent degree, from Omdurman Islamic University (June 2022).
- Master's degree in clinical pharmacology (specialization of clinical pharmacy), University of medical sciences and Technology with first class degree (October 2012).
- Higher diploma in research methodology and biostatistics, University of medical sciences and Technology (October 2016).
- Bachelor's degree in pharmacy (with clinical pharmacy emphasis) Omdurman Islamic University, with first-class degree (October 2006).

TEACHING, ADMINISTRATIVE AND RESEARCH ACTIVITIES

- Teach clinical pharmacy (therapeutics) lectures to the 4th and 5th-year undergraduate students, conduct problem-based case discussions and tutorials and supervise many students in their research projects (more than 50 researches till now).
- Conduct problem-based case discussions, tutorials, and case presentations, participate in the consultant's and general practitioner's rounds, check drug interactions, review and adjust medication doses and did many seminars and tutorials for the physicians.
- Currently responsible for supervising many groups of undergraduate students conducting their research) and had many managerial tasks as a part of the coordination for the clinical pharmacy master program.
- Member of the Faculty of Pharmacy Research Committee.
- Member of Sudanese Society of clinical pharmacists.
- Member of several committees in the university (curriculum development committee, the higher committee of accreditation, college council committee).
- Participated in and supervised many types of research at the undergraduate level (more than 50 researches) until now.
- Have an excellent experience in research methodology and biostatistics for seven years, did statistical analysis for more than 100 research in various Medical disciplines such as Clinical pharmacy, Hospital pharmacy, Pharmacy Practice, Medicine, Public health, and Industrial pharmacy in the undergraduate and postgraduate levels.
- Developed and revised course designs of the clinical pharmacy curriculum and clerkship program at the Faculty of Pharmacy, Omdurman Islamic University.
- Updated and revised course designs of the clinical pharmacy curriculum and clerkship program at the Faculty of post-graduate studies, Omdurman Islamic University
- Developed an educational program for patients with diabetes (written and video materials) on diabetes as a part of my work in the endocrinology clinic during my PhD work.

SKILLS AND STRENGTHS

- Mother language: Arabic
 - Got an Overall band 6 on the IELTS test in 2018, but now my English language has improved substantially.
 - Have good communication and presentation skills.
 - I'm a fast learner and can work in a team and under stressful conditions.
 - Have a good experience in administration and managerial work.
 - Can use computers and modern technology efficiently.
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COURSE AND CERTIFICATIONS

- Certificate from the EDC, University of Khartoum after attending a course in research methodology and biostatistics.
- Five certificates from the Sudanese Society of clinical pharmacists after attending many workshops (In stewardship of antimicrobial use, nephrology, total parenteral nutrition, critical care, and therapeutic drug monitoring).
- Certificate of attendance from INTERNATIONAL ISLAMIC UNIVERSITY, MALAYSIA in PHARMACEUTICAL TECHNOLOGY.
- Certificate of attendance from OMDURMAN ISLAMIC UNIVERSITY, FACULTY OF MEDICINE in Medical Ethics and Professionalisms
- Certificates of attendance from OMDURMAN ISLAMIC UNIVERSITY, Faculty of Pharmacy in curriculum designing, learning methods and evaluation methods.
- Certificate of attendance from IMPERIAL COLLEGE LONDON through the Coursera platform in Introduction to Statistics and data analysis in public health (online).
- Certificate of attendance from IMPERIAL COLLEGE LONDON through the Coursera platform in logistic regression in R for public health (Online).
- Certificate of attendance from IMPERIAL COLLEGE LONDON through the Coursera platform in linear regression in R for public health (online).
- Certificate of attendance from IMPERIAL COLLEGE LONDON through the Coursera platform in survival analysis in R for public health (online).
- Certificate of attendance from IMPERIAL COLLEGE LONDON through the Coursera platform in Measuring Disease Epidemiology (online).
- Certificate of attendance from JHONS HOPKINS UNIVERSITY through the Coursera platform in managing data analysis.
- Certificate of attendance from JHONS HOPKINS UNIVERSITY through the Coursera platform in Data and Health Indicators in Public Health Practice (online).
- Certificate of attendance from JHONS HOPKINS UNIVERSITY through the Coursera platform in the introduction to Systematic Review and Meta-analysis (online).
- Certificate of attendance from the UNIVERSITY OF LONDON through the Coursera platform in Understanding research methods (online).
- Certificate of attendance from the UNIVERSITY OF CAPE TOWN through the Coursera platform in Understanding clinical research: Behind the Statistics (online).
- Certificate of attendance from ECOLE POLYTECHNIQUE through the Coursera platform in how to write and publish a scientific paper (online).
- Certificate of attendance from the UNIVERSITY OF COPENHAGEN through the Coursera platform in Bacteria and Chronic infection (online).
- More than 35 certificates from the pharma-course platform after attending different webinars in clinical pharmacy, pharmacy practice
- Certificate of attendance from the Saudi international antimicrobial congress (online).
- Certificate of attendance from the SEHA international clinical pharmacy congress that has awarded 12 DOH CME credits (online).

***All certificates will be available upon request**

PUBLICATIONS

2023

1. Abdelsalam ME, Ahmed KO, **Badi S**, Mohmmedahmed M, Yousef BA. Incidence and Characteristics of Postoperative Atrial Fibrillation in Sudanese Patients Undergoing Heart Valve Surgery: A Descriptive Retrospective Study. Asian Journal of Cardiology Research. 2023 Jun 19;6(1):224-31.
2. Idris MA, Osman OS, Salah SE, Latif MA, Almobarak AO, **Badi S**, Ahmed M, Ahmed MH. Knowledge, practice and attitude towards foot care among adults living with diabetes in Gadarif State, Eastern Sudan: Cross-sectional study. Ethics, Medicine and Public Health. 2023 Jun 1;28:100898.
3. Noor SK, Fadlelseed MH, Bushara SO, **Badi S**, Mohamed O, Elmubarak A, Kheir M, Abubaker NE, Ahmed MH, Ahmed M. Prevalence of obesity related hypertension among overweight or obese adults in River Nile State in Northern Sudan: a community based cross-sectional study. Cardiovascular Diagnosis and Therapy. 2023 Apr 4;13(2):384.
4. Noor SK, Mo'min TA, FadAllah FS, Ahmed AA, Osman SA, **Badi S**, Fathelrahman AI, Ahmed M, Ahmed MH. Risk factors associated with fasting during Ramadan among individuals with diabetes according to IDF-DAR risk score in Atbara city, Sudan: Cross-sectional hospital-based study. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2023 Mar 1;17(3):102743.
5. **Badi S**, Babiker LA, Aldow AY, Abas AB, Eisa MA, Abu-Ali MN, Abdella WA, Marzouq ME, Ahmed M, Omer AA, Ahmed MH. Knowledge and attitudes toward COVID-19 vaccination in Sudan: A cross-sectional study. AIMS Public Health. 2023;10(2):310.
6. Babiker LA, Babiker AO, Badawi BA, Abdalla RA, Abdalla RM, Hassan ZF, Mohammed ZA, Marzoug ME, Yousef BA, **Badi S**. Knowledge and practice about mycetoma infection among community pharmacists in Khartoum State: A descriptive cross-sectional study. Informatics in Medicine Unlocked. 2023 Jan 1;37:101175.

2022

7. Ahmed M, **Badi S**, Elidrisi A, Husain NE, Zainudin SB, Mahmood A, Abubaker NE, Alghamdi AS, Ahmed MH. Safety and effectiveness of newer antidiabetic medications during Ramadan fasting and safety of Ramadan fasting after bariatric surgery. Journal of Diabetes & Metabolic Disorders. 2022 Dec;21(2):1991-2004.
8. Abbas AA, Ahmed ME, Mohammed SM, Gar-Alnabi SS, Mohammed WA, Ahmed M, Ahmed MH, **Badi S**. Adherence to Immunosuppressive Medications in Kidney Transplant Patients at Three Centers in Khartoum State, Sudan: A Cross-sectional Hospital Study. Sudan Journal of Medical Sciences. 2022 Oct 3;17(3):313-29
9. Abdelkarim MA, AwadElseed RH, Alsanosi MA, **Badi S**, Abdulraheem MA, Nasser NM, Yousef BA. Assessment of quality of life among pediatric patients with cancer in khartoum oncology hospital: A cross-sectional pilot study. Matrix Science Medica. 2022 Jul 1;6(3):75-9.
10. Alfano ZO, Ahmed MH, Ahmed M, **Badi S**, Elkheir HK. Knowledge, Prevalence and Practice of Polycystic Ovary Syndrome among Sudanese women in Khartoum State, Sudan: The need for health education. Sudan Journal of Medical Sciences. 2022 Jun 30;17(2):204-17.

11. Khaled E, Eldeen IE, Yousif M, Ahmed IE, **Badi S**. Assessment of Asthma Control Level at Outpatients Clinic, Wad Medani Teaching Hospital. Omdurman Journal of Pharmaceutical Sciences. 2022 Apr 6;2(2):105-16.
12. Aldomah MA, Ahmed YA, Ezaldeen AY, Aldomah MA, Nasir RA, Abdulraheem MA, Yousef BA, **Badi S**. Community pharmacists' knowledge and practice toward upper respiratory tract infections in Khartoum State: A cross-sectional survey. Matrix Science Medica. 2022 Apr 1;6(2):34-9.
13. Al-Mistarehi AH, Elsayed MA, Ibrahim RM, Elzubair TH, **Badi S**, Ahmed MH, Alkhaddash R, Ali MK, Khader YS, Alomari S. Clinical outcomes of primary subarachnoid hemorrhage: an exploratory cohort study from Sudan. The Neurohospitalist. 2022 Apr;12(2):249-63.
14. Eezzeldin HM, **Badi S**, Yousef BA. The Antibiotic Resistance and Multidrug Resistance Pattern of Uropathogenic Escherichia coli at Soba University Hospital: A Descriptive Retrospective Survey. Sudan Journal of Medical Sciences. 2022 Mar 31;17(1):56-69.

2021

15. Hasabo EA, Ayyad FA, Alam Eldeen SA, Noureldaim MK, Abdallah TA, Ahmed YT, **Badi S**, Khalid WK, Mirghani HA, Mohammed YA, Alkhider LA. Clinical manifestations, complications, and outcomes of patients with COVID-19 in Sudan: a multicenter observational study. Tropical Medicine and Health. 2021 Dec;49(1):1-3
16. Yousif NE, **Badi S**, Yousef BA. Evaluation of the management outcomes of primary mono-symptomatic nocturnal enuresis among sudanese children: A retrospective study. Journal of Medical Sciences. 2021 Sep 1;41(5):215.
17. Elmubarak AA, **Badi S**, Yousef BA. Adherence to Stress Ulcer Prophylaxis Guideline in Medicine Unit at Soba University Hospital: A Descriptive Retrospective Study. Dr. Sulaiman Al Habib Medical Journal. 2021 Jun 29;3(3):125-30.
18. Elzain AM, **Badi S**, Yousef BA, Elkheir HK. Incidence of new-onset diabetes among sudanese renal transplant patients using different immunosuppressive regimens: A retrospective study. CHRISMED Journal of Health and Research. 2021 Apr 1;8(2):110-6.
19. **Badi S**, Abdulraheem MA, Mustafa AA, Matar MS, Yousef BA. Knowledge, attitude, and practice of university students toward COVID-19 in Sudan: an online-based cross-sectional study. Current Medical Issues. 2021 Apr 1;19(2):70-7.
20. Elkhider AT, Almobark AO, **Badi S**, Tahir H, Ramadan A, Elshaikh E, Ahmed MH. Risk factors associated with lower extremity amputation in Sudanese individuals with diabetes: The need for improvement in primary health care system. Journal of Family Medicine and Primary Care. 2021 Feb 1;10(2):985-90.
21. **Badi S**, Hamed A, Abualama M, Mustafa M, Abdulraheem M, Yousef B. Knowledge, attitude, and practice of sudanese pharmacists toward COVID-19 in Khartoum State, Sudan: An online-based cross-sectional study. Libyan International Medical University Journal. 2021 Jan;6(01):19-26.
22. Matar MS, Eljanzoury AM, Musa SI, Abdulwahaab MA, Mustafa AA, Yousef BA, **Badi S**. Evaluation of counseling services provided by community pharmacists and patients'

satisfaction toward their services: A cross-sectional survey from Sudan. *Curr. Med.* 2021 Jan 1(2021):19.

23. Elamin ZM, **Badi S**, Yousef BA. Assessment of Erythropoiesis-Stimulating Agents for Anemia Treatment among Chronic Kidney Disease Patients: A Descriptive, Retrospective Study. *Matrix Science Medica.* 2021 Jan 1;5(1):21-4.
24. Saleh AM, Almobarak AO, **Badi S**, Siddiq SB, Tahir H, Suliman M, Ahmed MH. Knowledge, attitudes and practice among primary care physicians in Sudan regarding prediabetes: a cross-sectional survey. *International Journal of Preventive Medicine.* 2021 Jan 1;12(1).
25. Hasabo, E.; Abdalrahman Adamali Ayyad, F.; Abdallah, T.; Mustafa, S. M.; Noureldaim, M. K.; Ahmed, Y. Khalid, W.; Elamien, S.; Khalid, N.; Tagelseed, A.; Elsheikh, E.; Hamad, S.; Alkhider, L.; Ali, O.; **Badi, S**; Merghani, H.; Alam Eldeen,. Neurological manifestations and outcomes in Sudanese patients diagnosed with COVID-19 in Khartoum state, Sudan. *European Journal of Neurology.* 2021:587-8.

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26. Almobarak AO, **Badi S**, Siddiq SB, Noor SM, Elmadhoun WM, Suliman M, Ahmed MH. The prevalence and risk factors for systemic hypertension among Sudanese patients with diabetes mellitus: A survey in diabetes healthcare facility. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews.* 2020 Nov 1;14(6):1607-11.
27. Abdelsalam KB, **Badi S**, Yousef BA. Bacteriological profile and antibiotic susceptibility pattern of neonatal sepsis at soba university hospital: A descriptive retrospective study. *Matrix Science Medica.* 2020 Jul 1;4(3):74-8.
28. Elkheir HK, Wagaella AS, **Badi S**, Khalil A, Elzubair TH, Khalil A, Ahmed MH. Prevalence and risk factors of depressive symptoms among dialysis patients with end-stage renal disease (ESRD) in Khartoum, Sudan: A cross-sectional study. *Journal of Family Medicine and Primary Care.* 2020 Jul;9(7):3639.
29. Elbashir M, **Badi S**, Abdulraheem M, Yousef B. Evaluation of the Adherence of Obstetricians to International Guidelines for Dispensing Misoprostol and Oxytocin in Saad Abu Ella Maternity Hospital: A Retrospective Study. *Sudan Journal of Medical Sciences (SJMS).* 2020 Jun 25:171-83.
30. Idress T, **Badi S**, Yousef B. Assessment of knowledge and practice of Sudanese renal transplant recipients about tacrolimus usage: A cross-sectional study. *Int J Health Allied Sci.* 2020 Apr 1;9:136-42.
31. Ibrahim M, **Badi S**, Yousef B. Knowledge and practice of community pharmacists toward dispensing of cough medications for children Khartoum State: A cross-sectional study. *Intern J Health Allied Sci.* 2020 Apr 1;9:147-52.
32. **Badi S**, Abdalla A, Altayeb L, Noma M, Ahmed MH. Adherence to antidiabetic medications among Sudanese individuals with type 2 diabetes mellitus: a cross-sectional survey. *Journal of Patient Experience.* 2020 Apr;7(2):163-8.
33. Elkheir HK, Elnaim SE, Umbelli T, Elabed MS, **Badi S**, Ahmed MH. Evaluation of the oxytocin use in the active management of third stage of labour among Sudanese women: a prospective, hospital-based study. *Journal of Public Health and Emergency.* 2020 Mar 25;4.

34. Farag OE, Ali SA, Alabdeen AH, Omer AM, Al Mrami MA, Elrayah AE, Abdalla QO, Ahmed MH, **Badi SA**. Knowledge and self-care activities among Sudanese individuals with diabetes: a cross sectional survey. *Journal of Hospital Management and Health Policy*. 2020 Mar 25;4.
35. Almobarak AO, Jervase A, Fadl AA, Garelnabi NI, Al Hakem S, Hussein TM, Ahmad AA, Elden Ahmed IS, **Badi S**, Ahmed MH. The prevalence of diabetes and metabolic syndrome and associated risk factors in Sudanese individuals with gallstones: a cross sectional survey. *Translational Gastroenterology and Hepatology*. 2020;5.
36. Almobarak AO, **Badi S**, Elmadhoun WM, Siddiq SB, Tahir H, Osman M, Noor SK, Suliman M, Ahmed MH. Assessment of lifestyle modifications among Sudanese individuals with diabetes: The situation so far and the need to do more. *Journal of Education and Health Promotion*. 2020;9.
37. Almobarak AO, **Badi S**, Elmadhoun WM, Tahir H, Ahmed MH. The prevalence and risk factors of stroke among Sudanese individuals with diabetes: Cross-sectional survey. *Brain Circulation*. 2020 Jan;6(1):26.
38. Ali S, **Badi S**, Yousef B. Physicians' knowledge and practice with regard to acute kidney injury at Omdurman Military Hospital: A cross-sectional survey. *International Journal of Health & Allied Sciences*. 2020 Jan 1;9(1):39.

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39. Elsayed MA, El-Sayed NM, **Badi S**, Ahmed MH. Factors affecting adherence to antiepileptic medications among Sudanese individuals with epilepsy: A cross-sectional survey. *Journal of family medicine and primary care*. 2019 Jul;8(7):2312.
40. Ahmed SA, **Badi S**, Tahir H, Ahmed MH, Almobarak AO. Knowledge and practice of diabetic foot care in Sudan: A cross sectional survey. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 2019 Jul 1;13(4):2431-5.
41. Abdelaziz TA, Abdulraheem MA, **Badi SA**, Badawi MI, Saeed AO, Elobied MA, Ahmed MH. Knowledge, attitude and practice of Sudanese pharmacist with regard to management of diabetes during Ramadan: A cross-sectional survey. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 2019 Jan 1;13(1):122-6.

REFERENCE

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