

Name	PROMISE MADU EMEKA	
Specialization	Pharmacology and Toxicology	
Current Position	Associate Professor	
Contact email (Official)	pemeka@kfu.edu.sa	
Alternate email	emekapm@yahoo.co.uk	IP Phone : 035899821
Academic Qualifications	Degree/year/uni versity/country	BSc. (Hons) Pharmacology and Therapeutics . 1983, University of Ibadan
	Degree/year/uni versity/country	MSc. Pharmacology, 1992. University of Lagos, Nigeria
	Degree/year/uni versity/country	PhD. Pharmacology/ Toxicology, 2000. University of Lagos. Nigeria
Teaching Experience	➤ 1. 2006-2011, Nottingham Trent University Nottingham United Kingdom-Lecturer.	
	➤ 2. 2002-2006, College of Medicine, University of Lagos-Nigeria-lecturer.	
	➤ 3. 2000-2002, Lagos State College of Medicine, Ikeja-Lagos-Lecturer	
	➤ 4. 1994-2000, University of Lagos, Nigeria- Teaching Assistant	
	➤ 5. 2006-2010. Drug Counselor/Hospital Manager- St. Luke's Hospital-Essex, United Kingdom.	
Courses Taught and Teaching in KFU	➤ 2001411 : Pharmacology 3	
	➤ 2010124 : Pharmacology 1	
	➤ 2010311: Pharmacology 4	
	➤ 2003524 : Pharm D Seminar	
	Postgraduate Course	
	➤ Pharmacogenomics	
	➤ Evaluation of Drug actions	
➤ System Pharmacology 2		
➤ Principles of Drug Action		



Research Interests	<ul style="list-style-type: none"> ➤ Pharmacological Intervention of drug treatment in cardiovascular diseases, diabetes mellitus and its co-morbidities ➤ Evaluation of/and In-vivo screening of drugs/natural products and rational use of antibiotics and molecular basis in Pharmacology research ➤ Antibiotics and alternative medicine
Research Grants Received	<ol style="list-style-type: none"> 1. PhD Grant award 15,400 Naira- University of Lagos-Nigeria 2. Cardiotoxic and oxidative stress protection, by caffeic acid phenethyl ester following acute and subchronic exposure to co-administration of cyclophosphamide and naproxen in mice. KFU annual Research Grant, 2011-2012, SAR/ 69500.00 3. Evaluation of lutein protective effects against vancomycin induced acute renal injury. KFU annual Research Grant, 2012-2013, SAR/ 70,000.00. 4. Subchronic administration of mitoxantrone and the influence of inducing and inhibiting agents on the induction of cardiotoxicity -A metabolic evaluation in mice. KFU annual Research Grant, 2013-2014, SAR/ 72,400.00. 5. Effect of concurrent administration of date palm fruit with lisinopril on serum potassium level in rabbits" Budget: 62000SAR KFU annual Research Grant.
Publications (Latest 2021- 2024 publications)	<ol style="list-style-type: none"> 1. Emeka PM, Rasool ST, Morsy MA, Islam MIH, Chohan MS. Protective effects of lutein against vancomycin-induced acute renal injury in mice <i>via</i> upregulation of peroxisome proliferator-activated receptor gamma/nuclear factor erythroid 2-related factor 2 and inhibition of nuclear factor-kappaB/caspase 3. <i>Korean J Physiol Pharmacol.</i> 2021;25(5):495. doi:10.4196/kjpp.2021.25.5.495. 2. HE Khalil, NK Alqahtani, HM Darrag, HIM Ibrahim, PM Emeka Date Palm Extract (Phoenix dactylifera) PEGylated Nanoemulsion: Development, Optimization and Cytotoxicity Evaluation. <i>Plants</i> 10 (4), 735. 3. O Awodele, KB Balogun, KI Amagon, PM Emeka, OD Owolabi Acute Toxicities of Selected Industrial Effluents on <i>Tilapia guineensis</i> (Fingerlings) University of Lagos <i>Journal of Basic Medical Sciences</i> 5 (9) 4. Ameliorative Effects of <i>Taraxacum officinale</i> Crude Extracts on Paclitaxel Induced-Haematological Toxicity and Oxidative Stress. Promise Madu Emeka, Haya Mohammed Almofarfesh. <i>Asian Journal of Plant Sciences</i> 20, 355-362 5. A Molecular Insight into the Synergistic Mechanism of <i>Nigella sativa</i> (Black Cumin) with β-Lactam Antibiotics against Clinical Isolates of Methicillin-Resistant <i>Staphylococcus</i>. LI Badger-Emeka, PM Emeka, HIM Ibrahim. <i>Applied Sciences</i> 11 (7), 3206. 6. Emeka, P. M., AlMunjem, M. F., Rasool, S. T., & Kamil, N. (2019). Evaluation of

Counseling Practices and Patient's Satisfaction Offered by Pharmacists for Diabetics Attending Outpatient Pharmacies in Al Ahsa. *Journal of Patient Experience*.
<https://doi.org/10.1177/2374373519846945>.

7. AlTuraifi, F. H., AlMomatin, A. A., Badger-Emeka, L., Emeka, P. M., & Islam, M. M. (2019). Assessment of Microbiological Content of Private and Public Recreational Water Facilities and Their Antimicrobial Susceptibility Pattern in Al-Ahsa. *Environmental Health Insights*. <https://doi.org/10.1177/1178630219887393>.
 8. KM Bairagi, NS Younis, PM Emeka, E Sangtani, RG Gonnade, Antidiabetic Activity of Dihydropyrimidine Scaffolds and Structural Insight by Single Crystal X-ray Studies. *Medicinal Chemistry* 16 (7), 996-1003.
<https://doi.org/10.2174/1573406416666191227123048>.
 9. Bairagi, K.M., Younis, N.S., Emeka, P.M., (...), Mohanlall, V., Nayak, S.K. Chemistry, anti-diabetic activity and structural analysis of substituted dihydropyrimidine analogues. *Journal of Molecular Structure*, 2020, -129412.
 10. PM Emeka, MA Morsy, IA Alhaider, MS Chohan. Protective effect of caffeic acid phenethyl ester against acute and subchronic mice cardiotoxicity induced by cyclophosphamide alone or plus naproxen. *Pharmacognosy Magazine*. 2020; 16 (71), 585-591.
 11. Badger-Emeka Lorina¹, Emeka Promise Madu², Saif Aldossari,³ Hany Ezzat Khalil² Terfezia claveryi and Terfezia boudieri extracts: An antimicrobial and molecular assay on clinical isolates associated with eye infections. *Pharmacognosy Magazine*. *Pharmacognosy Magazine* 16 (72), 780-788 2020.
 12. PM Emeka, LI Badger-Emeka, HIM Ibrahim, K Thirugnanasambantham, Inhibitory Potential of Mangiferin on Glucansucrase Producing Streptococcus mutans Biofilm in Dental Plaque. *Applied Sciences* 10 (22), 829.
 13. LI Badger-Emeka, PM Emeka, K Thirugnanasambantham, HIM Ibrahim. Anti-Allergic Potential of Cinnamaldehyde via the Inhibitory Effect of Histidine Decarboxylase (HDC) Producing Klebsiella pneumonia. *Molecules* 25 (23), 558.
 14. Hany Ezzat Khalil, Turki Saeed Aldakheel, Anas AlAhmed, Promise Madu Emeka, Mahmoud Kandeel. Anti-proliferative activity of leaves of Launaea capitata Asteraceae: Phytochemical, cytotoxicity and in silico studies. *Tropical Journal of Pharmaceutical Research* 19 (10), 2129-2136.
 15. Emeka PM, Rasool ST, Morsy MA, Islam MIH, Chohan MS. Protective effects of lutein against vancomycin-induced acute renal injury in mice via upregulation of peroxisome proliferator-activated receptor gamma/nuclear factor erythroid 2-related factor 2 and inhibition nuclear factor-kappaB/caspase 3. *Korean J Physiol Pharmacol*. 2021 Jul
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16. Date Palm Extract (*Phoenix dactylifera*) PEGylated Nanoemulsion: Development, Optimization and Cytotoxicity Evaluation. HE Khalil, NK Alqahtani, HM Darrag, HIM Ibrahim, PM Emeka, *Plants* 10 (4), 735–745. 2021.
 17. Acute Toxicities of Selected Industrial Effluents on *Tilapia guineensis* (Fingerlings). O Awodele, KB Balogun, KI Amagon, PM Emeka, OD Owolabi, *University of Lagos Journal of Basic Medical Sciences* 5 (9).2021.
 18. Promise Madu Emeka, Haya Mohammed Almofarfesh. Ameliorative Effects of *Taraxacum officinale* Crude Extracts on Paclitaxel Induced-Haematological Toxicity and Oxidative Stress. *Asian Journal of Plant Sciences* 20, 355-362.
 19. A Molecular Insight into the Synergistic Mechanism of *Nigella sativa* (Black Cumin) with β -Lactam Antibiotics against Clinical Isolates of Methicillin-Resistant *Staphylococcus*. LI Badger-Emeka, PM Emeka, HIM Ibrahim. *Applied Sciences* 11 (7), 3206.
 20. P.M. Emeka, H.I.M. Ibrahim, I.A. Alhaider, M.A. Morsy, M.E. Mohamed. Subchronic administration of mitoxantrone and the influence of enzyme inhibitors on its induced cardiotoxicity in mice: role of NRF-2/CYP2E1. *Eur Rev Med Pharmacol Sci.* 2021; 25 (24): 7806-7822.
 21. Promise Madu Emeka. In-vitro studies of *Bryophyllum pinnatum* Crude Extract on Blood Coagulation Indices: An Investigation on its Traditional Medicine Use. *Pharmacognosy Research.* 13(4):268-273.
 22. Emeka, Promise Madu, Ibrahim Hairul-Islam Mohamed, Morsy Mohamed Aly, Alhaider Ibrahim Abdulraham, Hussian Snawar, and Ahmed Emad Abdelaziz. Attenuation of Cardiomyopathy Induced in Sub-Chronic Exposure of Acrolein by Sulforaphane via Indirect PPAR γ Expression Promoter. *Indian J. Pharma Educ. Res.*2021; 55(4):1048-1059.
 23. Promise Madu Emeka, Kazeem Yusuff Babatunde, Mahesh Attimarad, Abdulaziz K. Al Mouslem. Possible Correction of Thiazide-Induced Hypokalemia with Co-Administration of Date Palm Fruits with Hydrochlorothiazide in Rats. *Phcog Mag* 2022; 18:242-6.
 24. Promise Madu Emeka, Lorina Ineta Badger-Emeka, Hany Ezzat Khalil Ahmed and Edric Estrella. *International Journal of Pharmacology*, 18: 699-713.
 25. Hany Ezzat Khalil *, Hairul-Islam Mohamed Ibrahim, Emad A. Ahmed, Promise Madu Emeka, Ibrahim A. Alhaider. Orientin a biomolecule from *Trigonella hamosa* downregulates COX-2/PGE-2 axis via triggering miR-26b and miR-146a to suppress A549 lung cancer progression. *Pharmaceuticals* 2022, 15(2), 154.
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26. LI Badger-Emeka, PM Emeka. Genetic fingerprinting and profile analysis of virulence genes in XDR clinical isolates of *Klebsiella Pneumoniae*. *Eur Rev Med Pharmacol Sci* 26 (14), 5233-5244.
 27. Promise Madu Emeka, Lorina Ineta Badger-Emeka, Edric Estrella. Investigation of Colistin and Polymyxin B on Clinical Extreme Resistant Enterobacteriaceae Isolates for Surveillance Purposes. *International Journal of Pharmacology* 18 (4), 699-713.
 28. AK Al Mouslem, HE Khalil, PM Emeka, G Alotaibi. Investigation of the Chemical Composition, Antihyperglycemic and Antilipidemic Effects of *Bassia eriophora* and Its Derived Constituent, Umbelliferone on High-Fat Diet and Streptozotocin-Induced Diabetic rats. *Molecules* 27 (20), 6941
 29. MF Al Munjem, AK Thabit, ST Rasool, PM Emeka, FF Al Munajjim Prescription patterns and antibiotic resistance rates of respiratory tract infections in a Saudi tertiary medical centre. *Saudi Journal of Clinical Pharmacy* 1 (4), 128:
 30. HE Khalil, MF Abdelwahab, PM Emeka, LI Badger-Emeka, ASF Ahmed-- *Brassica oleracea* L. var. *botrytis* Leaf Extract Alleviates Gentamicin-Induced Hepatorenal Injury in Rats—Possible Modulation of IL-1 β and NF- κ B Activity Assisted with Computational Approach. *Life* 2022, 12(9), 1370; <https://doi.org/10.3390/life12091370>.
 31. HE Khalil, MF Abdelwahab, PM Emeka, LI Badger-Emeka Chemical Composition and Valorization of Broccoli Leaf By-Products (*Brassica oleracea* L. Variety: *Italica*) to Ameliorate Reno-Hepatic Toxicity Induced by Gentamicin in Rats. *Appl. Sci.* 2022, 12(14), 6903; <https://doi.org/10.3390/app12146903>.
 32. HE Khalil, MF Abdelwahab, PM Emeka, LI Badger-Emeka. Ameliorative Effect of *Ocimum forskolei* Benth on Diabetic, Apoptotic, and Adipogenic Biomarkers of Diabetic Rats and 3T3-L1 Fibroblasts Assisted by In Silico Approach. *Molecules* 2022, 27, 2800. <https://doi.org/10.3390/molecules27092800>.
 33. Christophe Tratat, Nuhad A. Alomair, Hafedh Kochkar , Rasha Jubran al Malih, Michelyne Haroun, Samar Abubshait, Muhammad Younas, Gilles Berhault, Katharigatta N. Venugopala, Sreeharsha Nagaraja , Promise M. Emeka, Heba S. Elsewedy, Anroop B. Nair, Madiha Kamoun. Visible-light-driven selective esterification of benzaldehyde derivatives using strontium-modified 1D titanium dioxide nanotubes. *Journal of Photochemistry and Photobiology A: Chemistry* Vol. 438, 1 April 2023, <https://doi.org/10.1016/j.jphotochem.2022.114508>.
 34. Sahar Mohamed Ibrahim, Nosiya Adlan, Sufyan Mohammed Alomair, Ibrahim Butaiban, Ahmed Alsalman, Abdulmajeed Bawazeer, Monahi Alqahtani, Dalia Mohamed, Promise Madu Emeka. Evaluation of Systemic Antifungal Prescribing Knowledge and Practice in the Critical Care Setting among ICU Physicians and Clinical Pharmacists: A Cross-Sectional Study *Antibiotics* 2023, 12(2), 238;
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<https://doi.org/10.3390/antibiotics12020238>.

35. Haroun, M.; Fesatidou, M.; Petrou, A.; Tratat, C.; Zagaliotis, P.; Gavalas, A.; Venugopala, K.N.; Kochkar, H.; Emeka, P.M.; Younis, N.S.; et al. Identification of Novel Cyclooxygenase-1 Selective Inhibitors of Thiadiazole-Based Scaffold as Potent Anti-Inflammatory Agents with Safety Gastric and Cytotoxic Profile. *Molecules* 2023, 28, 3416. <https://doi.org/10.3390/molecules28083416>.
36. Mansour Haddad, Sara A Aldossary, Mansour M Alotaibi, Ahmed O Alenazi, Ali Alqahtani, Promise M Emeka, Nesreen Issa Alojjan, Asia Taha, Mohammed Almohaini, Abdulkhali Alsalman. The Role of Pharmacists in Patient Counselling for OTC Medication: A Cross-sectional Study. *Lat. Am. J. Pharm.* 42 (3): 703-9 (2023).
37. Badger-Emeka L, Al Rashed AS, Aljindan RY, Emeka PM, Quadri SA, Almutairi HH. Incidence of Drug-Resistant Hospital-Associated Gram-Negative Bacterial Infections, the Accompanying Risk Factors, and Clinical Outcomes with Treatment. *Antibiotics*. 2023; 12(9):1425. <https://doi.org/10.3390/antibiotics12091425>.
38. Mohamed AA, Alomair SM, Alnijadi AA, Abd Aziz F, Almulhim AS, Hammad MA, Emeka PM. Barriers to Mental Illness Treatment in Saudi Arabia: A Population-Based Cross-Sectional Study. *Cureus*. 2024 Feb 7;16(2):e53797. doi: 10.7759/cureus.53797. PMID: 38465168; PMCID: PMC10924077.
39. Badger-Emeka L, Emeka P, Thirugnanasambantham K, Alatawi AS. The Role of *Pseudomonas aeruginosa* in the Pathogenesis of Corneal Ulcer, Its Associated Virulence Factors, and Suggested Novel Treatment Approaches. *Pharmaceutics*. 2024; 16(8):1074. <https://doi.org/10.3390/pharmaceutics16081074>

Memberships

1. Secretary, Nigerian Association of Medical Scientists, Lagos branch (1994-1997)
 2. SECRETARY, WHO Collaboration Centre for traditional Medicine (1995-1998).
 3. Editor WHO CCTM Newsletter (1997-1998)
 4. Member, West African Society for Pharmacology
 5. Registered member, institute for Clinical Research (ICR)
 6. World Pharmacologists Society
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Professional services	Bioavailability studies of parakaf /paracetamol for NAFDAC- Nigeria
	Toxicology Analysis of drug/products routine- Nigeria
	Bioavailability study of Thalazole and Thiazamide for May and Baker- Nigeria
	Bioavailability studies of Paracetamol/ caffeine for Roche (Nig) Limited, Lagos Nigeria
	Clinical trials of anti-malaria- Paluther for May & Baker Plc. Lagos- Nigeria
	Toxicology studies of Multivitamin-Chemiron Nigeria Limited
	Clinical trials of Ashton and Parson Teething power for SmithKline Beechams (Nig.) Ltd.
Workshops / Seminars attended	2008: First Aider- Medicot Training Organisation
	2014: The Second Evidence-Based Pharmacotherapy Symposium, Main Auditorium, King Khaled Eye Specialist Hospital, Riyadh. 28th- 29th May, 2014. Riyadh, Saudi Arabia

Projects with students:

1. Knowledge and attitude of males on the use of non-prescribed antibiotics and their relationship with community pharmacy in Saudi Arabia.

Students: **Mokhtar Jawad Al-Omar** (209016939) 4th year – **(Completed presented in DUPHAT Conference, won a price and published).**

2. A preliminary study of the relationship between different antibiotic regimens, their use, glycaemic control, treatment outcomes, and costs effectiveness in diabetic patients.

Abdallah N Khababa (209000272) 4th year Students. **(Completed)**

An assessment of support service system for diabetic patients in Al-Ahsa

Student: **Mahdi Mohammed Bujubarah** 209014833 4th year **(On-going)**

3. Drug use pattern in glycaemic and blood pressure control amongst diabetic and hypertensive comorbidity states of patients attending primary health care centre in Al-Ahsa.

Student: **Hussien Al Hilal and, Ahmed Almukhalaf** 3rd year **(Published and presented in a DUPHA Conference)**

4. An assessment of frequent haemolytic crisis in G6PD deficiency subjects linked with chronic disease states in Al Ahsa Community, Saudi Arabia.

Students: **Hussien Al Hilal and, Ahmed Almukhalaf** **(Published and presented in a DUPHAT**

Conference and published)

5. Effect of metformin on BP, HR and ECG of rats administered with cardiotoxic agent doxorubicin.

Student: **Anas Abdullah Al-Ahmed:** **(presented in a DUPHAT Conference and published).**

6. Gabapentin and Mefenamic acid in mitigation of central and peripheral induced pain in rat model. Student: **Abdullah Al-Ramadan and Mohammed Al-Thow** **(Presented in a DUPHAT Conference, won a price).**

7. Attenuation of Simvastatin lipid lowering effect by caffeine in high fat diet fed rats

Student: Amal J Al-Jumah. (Presented in a DUPHAT Conference, won a price)

8. Attenuation of Paclitaxel induced haematological toxicity and oxidative stress by

Taraxacum officinale: a Limiting factor for its use. **Student: Haya Mohammed**

AlMofarfesh. (Presented in a DUPHAT Conference)

Publications with students

1. Promise Madu Emeka, **Mokhtar Jawad Al-Omar** & Tahir Mehmood Khan. A Qualitative Study Exploring Role of Community Pharmacy in the Irrational Use and Purchase Of Nonprescription Antibiotics In Al Ahsa. Eur J Gen Med 2012;9(4):230-234.
2. Promise M. Emeka , **Mokhtar Al-Omar**, Tahir M. Khan. Public attitude and justification to purchase antibiotics in the Eastern region Al Ahsa of Saudi Arabia. Saudi Pharmaceutical Journal (2014) 22, 550-554. Open Access. DOI: 10.1016/j.jsps.2014.02.014.
3. Promise Emeka, **Hussien Al Hilal**, Afzal H Asif, **Ahmed Almukhalaf**, Tahir Khan. An assessment of frequent haemolytic crisis in G6PD deficiency subjects linked with chronic disease states in Al Ahsa Community, Saudi Arabia. Health, Vol.7 No.5, May 2015.
4. Promise M Emeka, Ahmed Al Mukalaf, Hussien Al Helal, Tahir M Khan, Mishial A Almukalf. Prevalence of poor glycaemic-blood pressure control and pattern of drug use among Primary Healthcare outpatients in Al Ahsa Saudi Arabia. International Journal of Health Sciences, 2017: 11 (3), 38.
5. **Promise Madu Emeka**, Anas Al Ahmed. Extents of Generic Prescribing in Hospitals and Community Pharmacies for Diabetic and Hypertensive Outpatients in Eastern Region of Saudi Arabia. J Young Pharm, 2017; 9(2): 280-283.
6. **Promise Emeka** Anas Al-Ahmed. Effect of metformin on ECG, HR and BP of rats administered with cardiotoxic agent doxorubicin. Int J Basic Clin Pharmacol 2017;6:1054-9.
7. AlTuraifi, F. H., AlMomat, A. A., Badger-Emeka, L., **Emeka, P. M.**, & Islam, M. M. (2019). Assessment of Microbiological Content of Private and Public Recreational Water Facilities and Their Antimicrobial Susceptibility Pattern in Al-Ahsa. *Environmental Health Insights*. <https://doi.org/10.1177/1178630219887393>.
8. Ameliorative Effects of *Taraxacum officinale* Crude Extracts on Paclitaxel Induced-Haematological Toxicity and Oxidative Stress. Promise Madu Emeka, Haya Mohammed Almofarfesh. Asian Journal of Plant Sciences 20, 355-362.