



KADUNA State UNIVERSITY

CURRICULUM VITAE

GARBA, Musa Abdullahi

B. Pharm, M.Sc., PGDE., PhD (Pharmacy, Pharm. and Med. Chemistry)

Email: musagarba.abdullahi26@kasu.edu.ng

musagarba.abdullahi26@gmail.com

Tel: +2348159689999, +234834509999

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| 1. NAME: (Surname Underlined) | <u>GARBA, Musa Abdullahi</u> |
| 2. SP. NO: | 1264 |
| 3. ANNUAL LICENSE REG. NO. | No. 004763: |
| 4. DEPARTMENT: | Pharmaceutical and Medicinal Chemistry |
| 5. DATE AND PLACE OF BIRTH: | 15th October 1962, Zaria |
| 6. SEX: | Male |
| 7. STATE OF ORIGIN: | Kaduna |
| 8. LOCAL GOVERNMENT: | Zaria |
| 9. NATIONALITY: | Nigerian |
| 10. MARITAL STATUS: | Married |
| 11. INT'L LANGUAGE SPOKEN: | Hausa, Arabic and English |
| 12. CURRENT CONTACT ADDRESS: | Department of Pharmaceutical and
Medicinal Chemistry, Kaduna State
University, Kaduna |
| 13. PERMANENT HOME ADDRESS: | No. 18 Attatbique Road Kinkinau
GRA, Unguwan Muazu Kaduna
South, Kaduna State. |
| 14. DATE OF FIRST APPOINTMENT: | 5th October 2000
(Shehu Idris College of Health Sciences
& Technology Makarfi Kaduna State). |
| 15. DATE OF CONFIRMATION OF APPOINTMENT: | 5th October 2002
(Shehu Idris College of Health Sciences
& Technology Makarfi Kaduna State). |
| 16. DATE OF FIRST APPOINTMENT WITH THE UNIVERSITY: | 23rd April, 2018 |

17. DATE OF LAST PROMOTION:

October, 2024

18. PRESENT RANK:

Professor

19. AREA OF SPECIALIZATION

- i. Pharmaceutical Analysis (Major)
- ii. Natural product (Minor)

1. QUALIFICATIONS, EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES:-

- 1. PhD in Pharmaceutical Chemistry, Ahmadu Bello University, Zaria 2005 M.Sc.
in Pharmaceutical Chemistry, Ahmadu Bello University, Zaria 2008
- 2. PGDE National Teachers Institute, Kaduna (NTI) 2009
- 3. Bachelor of Pharmacy (B. Pharm), (A. B.U) Zaria. 1986
- 4. School of Basic Studies, (IJMB) Ahmadu Bello University, Zaria 1984
- 5. School of Basic Studies, (IJMB) Ahmadu Bello University, Zaria 1983
- 6. Secondary School Certificate, G.S.S Malumfashi Katsina State 1982
- 7. First School leaving Certificate, Primary School T/W Zaria 1977

22. WORKSHOP/ TRAINING ATTENDED WITH AND DATES:

- 1. Advance digital appreciation programme for Tertiary Institutions (ADAPTI)
Training in Ahmadu Bello University, Zaria, BY {DIGITAL BRIDGE INSTITUTE}
22nd March, 2013.
- 2. Course co-organized by SESRIC and USAF Training course on recognition and
prevention of diabetes. Kaduna, Nigeria. 1st to 3rd June, 2013
- 3. Major Academy, Ltd. (www.majoracademy.com)
Capacity Building on Organizational Development 19th to 23rd August, 2013
- 4. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module IX)
ABU Zaria. Ahmadu Bello University, Zaria, Nigeria. 19th to 20th March, 2010
- 5. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module VIII)
Ahmadu Bello University, Zaria, Nigeria. 4th -5th March, 2009
- 6. Shehu Idris College of Health Sciences and Technology, Makarfi/ International Health
Program. Train the Trainer {TOT} organized by TFPLCP Transformative leaders for
emerging leaders in Northern Nigeria on reproductive-on-reproductive health. Held at
Abantu for Development, Kaduna. 26th to 31st October, 2008

7. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module IV,)
Ahmadu Bello University, Zaria, Nigeria. 19th -20th Nov, 2007
8. Pharmacist Council of Nigeria National workshop for pharmacy Technician Trainers/Supervisors organized by P.C.N held at Raw Materials Research and Development Council, Abuja, Nigeria. 25th August, 2005
9. Pharmacist Council of Nigeria, National workshop for Pharmacy Technician trainers/suervisors Abuja . 11th-12th August, 2004
10. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module VI)
Ahmadu Bello University, Zaria. 2-3rd MARCH 2009,
11. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module V)
Ahmadu Bello University, Zaria. 21 -22nd Nov. 2007
12. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module II)
29-30 Jan. 2002.
13. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module II)
23-24TH Nov. 2007.
14. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module VII)
2-3rd March 2009.
15. Pharmacist Council of Nigeria Continuing Education Program (CEP) 13TH -14TH Sept. 2000
16. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module V)
2-3rd March 2009
17. Pharmacist Council of Nigeria Continuing Education Program (MCE) (Module II)
29-30 Jan. 2000

23. WORKING EXPERIENCES WITH DATES:

1. Associate Professor 2021-2024
2. Kaduna State University Kaduna (Senior Lecturer On transfer). 2018 -2021
3. Kaduna State University Kaduna. (Visiting Senior Lecturer) 2016-2018
4. Dean, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna
25th September, 2023 to 10TH APRIL, 2026
5. Deputy Dean, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna
5th Nov, 2020 to 3rd August 2023
6. Head of Department, Faculty of pharmaceutical Sciences, Kaduna State University,
Kaduna 15th June , 2021

7. Provost, Shehu Idris College of Health Sciences and Technology, Makarfi. Kaduna State. 2011 – 2018
8. Deputy provost, Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2009 - 2011
9. Director of School of General Health Sciences, Shehu Idris College of Health Sciences and Technology, Makarfi. Kaduna State 2005 - 2008
10. Chief Lecturer, Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2018 – 2010
11. Deputy Chief Lecturer, Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2010-2013
12. Principal Chief Lecturer Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2005
13. Assistant Chief Lecturer, Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2007 -2010
14. Pharmacist (Lecturer) Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State. 2000- 2007
14. NYSC Pharmacist, General Hospital Bodo, Gokana, Local Government Area, River State, Nigeria. 1987 – 1988
15. Students Intern Pharmacist, General Hospital Sokoto, Sokoto State. 1986 – 1987

24. COURSES TAUGHT WITH DATES

1 st Semester 2016 – 2017			
S/N	Course Code	Course Title	Credit Unit
1	PHC 501	Medicinal Chemistry	3
2	PHC 401	Pharmaceutical Quality Control	3

2nd Semester 2016 – 2017

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Physico-chemical principles of medicinal chemistry	2
2	PHC 302	Pharmaceutical Analytical Inorganic Chemistry	4

1st Semester 2017 – 2018

S/N	Course Code	Course Title	Credit Unit
1	PHC 501	Medicinal Chemistry	3
2	PHC 401	Pharmaceutical Quality Control	3

2nd Semester 2017 – 2018

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Pharmaceutical analysis (Practical)	2
2	PHC 203	Pharmaceutical Analytical Inorganic Chemistry	3

1st Semester 2018 – 2019

S/N	Course Code	Course Title	Credit Unit
1	PHC 501	Medicinal Chemistry	3
2	PHC 401	Pharmaceutical Quality Control	3

2nd Semester 2018- 2019

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Pharmaceutical analysis (Practical)	2
2	PHC 302	Pharmaceutical Analytical Inorganic Chemistry	4

1st Semester 2019-2020

S/N	Course Code	Course Title	Credit Unit
1	PHC 501	Medicinal Chemistry	3
2	PHC 401	Pharmaceutical Analysis practical	1

2nd Semester 2019-2020

S/N	Course Code	Course Title
1	PHC 502	Drug Design
2	PHC 504	Chemical aspect of drug metabolism

Practical and course work Coordinated 2019/2020

NAME	COURSES
Dr. M. A. Garba	PHC 401

1st Semester 2020-2021

S/N	Course Code	Course Title	Credit Unit
1	PHC 301	Medicinal Chemistry	2
2	PHC 501	Medicinal Chemistry	3

3	PHC 504	Pharmaceutical analysis (Practical)	2
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2nd Semester 2020-2021

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Drug Design	2
2	PHC 504	Chemical aspect of drug metabolism	1

1st Semester 2021-2022

S/N	Course Code	Course Title	Credit Unit
1	PHC 301	Medicinal Chemistry	2
2	PHC 501	Medicinal Chemistry	3
3	PHC 504	Pharmaceutical analysis (Practical)	2

Practical and course work Coordinated 2021-2022

NAME	COURSES
Dr. M.A. Garba	PHC 502

2nd Semester 2021-2022

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Drug Design	2
2	PHC 504	Chemical aspect of drug metabolism	1

1st Semester 2022-2023

S/N	Course Code	Course Title	Credit Unit
1	PHC 301	Medicinal Chemistry	2
2	PHC 501	Medicinal Chemistry	3
3	PHC 504	Pharmaceutical analysis (Practical)	2

2nd Semester 2022-2023

S/N	Course Code	Course Title	Credit Unit
1	PHC 502	Drug Design	2
2	PHC 504	Chemical aspect of drug metabolism	1

1st Semester 2023-2024

S/N	Course Code	Course Title	Credit Unit
2	PHC 501	Medicinal Chemistry	3
3	PHC 504	Pharmaceutical analysis (Practical)	2

25. UNDERGRADUATE STUDENDS SUPERVISED: B. PHARM.

1.NANO JOB DAUDA (KASU/14/PHM/1025): Comparative quality control studies of three metformin brands marketed in Kaduna areas. Kaduna State University , Kaduna. November 2019

- 2.IBRAHIM CHOICE TERAH (KASU/14/PHM/1018): Effect of Methanolic Extract on *Garcinia Kola* (Heckel) Seed on The In-Vitro Dissolution of Metformin Tablets.
June, 2021
 - 3.HALIMA SALISU LABARAN (KASU/15/PHM/1039): Quality Assessment of Five Different Brands of Paracetamol Tablets (500 Mg) Available in Kaduna Metropolis.
June, 2021
 - 4.SHAABAN SHUAIB MUHAMMAD (KASU/16/PHM/1010): Spectroscopic Evaluation of the Methanolic Extract of *Syzygium aromaticum* on The Dissolution of Different Brands of Metformin
May, 2023
 - 5.HAUWA YUNUSA YAHAYA (KASU/15/PHM/1050); Effect Of *Azadirachta indica* on Metformin dissolution Profile.
May, 2023
 - 6.FATIMA N. ABDULLAHI (KASU/15/PHM/1051). Level of Manganese and Copper in Some Selected Vegetables in Kaduna and Environs .
May, 2023
 - 7.JOEL SUNDAY (KASU/16/PHM/1031) In-vitro determination of the effect of methanolic extract of *Artemisia annua* on the dissolution of different brands of Metformin tablet.
May, 2023
 8. SAMANJA MIRACLE JAMES (KASU/17/PHM/1014). Effect of ethanolic extract of *Moringa oleifera* leaves on the in-vitro dissolution profile of metformin tablets. **March, 2024**
 9. ISHAQ BELLO KOLI(KASU/18/PHM/2003). Effects Of *Trigonella Foenum-Graecum* Ethanol Extract On The *In-Vitro* Dissolution Profile Of Glibenclamide Tablets (2025)
 10. REUBEN GEOFFREY(KASU/18/PHM/1008). Effects Of *Mangifera Indica* Seed Ethanol Extract On The *In-Vitro* Dissolution Profile Of Metformin Hydrochloride Tablets (2025)
 - 11.AMINA JAMIU ALIYU (KASU/19/PHM/1055). Effects Of Methanol Extract Of *Polyalthia Longifolia* On The *In-Vitro* Dissolution Profile Of Metformin Tablets (2026)
 - 12.Abdullahi Saidu (KASU/19/PHM/1065). Effects Of Methanol Extract Of *Ipomoea* Leaves On *batatas* Metformin Tablets (2026).
- 26. i POST GRADUATE STUDENTS SUPERVISED.**
- 1.PHOEBE S. ABUBAKAR (PGD/RH/12/0021): Assessment of the pregnant women towards antenatal care services in Yakawada Comprehensive Health Center, Kaduna State. (2012)
 - 2.Saidu Ismail (PGD/RH/14/0001): The Influence of Sociocultural Factors on Maternal Mortality Rate in Maitama District Hospital Abuja. (2014)

3.Cecelia D. Bako (PGD/RH/14/0004): Appraisal of the utilization of contraceptive devices among women aged 18 – 45yrs in some selected hospitals in Abuja municipal area council of federal capital territory (FCT) Abuja. (2014)

4.Adama Saidu Abdullahi (KASU/MSCCHM/CHM/20/0008): Green synthesis, characterization and antimicrobial activity of magnesium and copper nano particles using paliostigma reticulum (DC) Hoechst Aqueous Extract (2022)

5.Salome Stephen Michael (KASU/MSCCHM/CHM/20/0012): GC-MS Profiling and Proximate Analysis of Volatile Oil Extract from turmeric rhizome (*Curcuma longa*). (2022) **M.Sc.**

ii. POST GRADUATE STUDENTS Examined

1. Edache JOSEPH (PGA/14/08/03/08805) .Chemical Constituents and Antimicrobial Activity of *Momordica balsamina* L. Leaves. University of Maiduguri **M.Sc.2024. Unimaid.**

2.Maryam Likta WANA .(PGA/16/08/03/08800).Chemical Investigation of the Compounds in *n*- Butanol Fraction of *Garcinia kola* Heckel Root (Guttiferae). University of Maiduguri **2024. M.Sc. Unimaid.**

3. Aisha Bukar ALI (PGA/18/08/02/08800). Determination of Polycyclic Aromatic Hydrocarbons in Grilled and Roasted Meat. University of Maiduguri **2024.M.Sc. Unimaid.**

4.Muhamad Musatapha Hassan (PGA/22/08/02/08800).Comparative Phytochemicaland Diabetic studiesof the calyxextractof two species ofin *Alloxan induced diabetic rats*. **2026 M.Sc. Unimaid.**

5. Ibrahim WILLIAM(PGA/20/08/02/08800). [Synthesis Of Derivatives Of Benzoxazolinone As Multi-Target Compound And Screening For Its Anti-Inflammatory And Anti-Microbial Property](#) **2026 M.Sc.Unimaid.**

6. Nafiu Lawal AMINU (PGA/20/08/02/09901). Analysis of Quality Control Strategy for the Determination and Stability of Extemporaneously Compounded Captopril Oral Preparation.**Ph.D 2026 UNIMAID.**

7. ABUBAKAR BABAKURA TIJJANI(PGA/20/08/02/09900). Validation Of Quality Assurance Protocol For Compounded Carbamazepine Syrups. **.Ph.D 2026 UNIMAID.**

4.Extenal Assesor

Dr. Sani Sa idu Bello Department of Pharmaceutical & medicinal chemistry Bayero University Kano.30th October, 2025. (**Associate professor to professor**).

27. FACULTY/ DEPARTMENTAL RESPONSIBILITIES:

1. Chairman, disciplinary committee to investigate issues on the recent student unrest in the faculty.

2019

2. Member, Accreditation Committee. 2019
3. Practical Coordinator, 500 L Pharmacy Students. 2019 – Date
4. Chairman, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna, Strategic Planning Committee. 2018
5. Member, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna, Appointment and Promotion Committee. 2018 to Date
6. Member Faculty Standing Committee 2021 to Date
7. Member, Department of pharmaceutical and Medicinal Chemistry Appointment and Promotion Committee, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna. 2018 to Date.
8. Chairman, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna Seminar Committee. 2021 to Date
9. Chairman, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna, Welfare and Office Accommodation Committee. 2020 to 2023
10. Member, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna, Journal Committee. 2020 to Date
11. Member Faculty journal Editorial 2021 to Date
12. Member of Faculty Curriculum Review Committee 2021 to Date
13. Chairman, Faculty Standing Committee 25th September, 2023 to Date
14. Chairman, Appointment and Promotion Committee, Faculty of pharmaceutical Sciences, Kaduna State University, Kaduna. 25th September, 2023 to Date
15. Member Appointment and Promotion Committee, Department of pharmaceutical Sciences, Kaduna State University, Kaduna. September 2021 to Date
16. Chairman Quality Assurance College of Allied Health and Pharmaceutical & Medicinal Chemistry Sciences. July, 2024 to Date
17. Chairman, Staff welfare office allocation Committee. 11th December, 2020.

28. UNIVERSITY COMMITTEE MEMBERSHIP

1. Member, Committee on the take-off of Kaduna State University (KASU) Makarfi Campus.
18th August, 2021
2. Member, Committee of Provost, Dean and Directors
16th September, 2023
3. Member Senate Business Committee
16th September, 2023
4. Member, University Senate Committee
16th September, 2023
5. Member, University Management Committee
16th September, 2023
6. Member, Committee on theft of wiring cables in the library
5th November, 2020
7. Member Committee on review of Kasu Guidelines for appointment s and promotion of senior Staff.
14th March 2024.
8. Member Committee on research ethics and involving human subjects.
9. Member, Postgraduate school Board
2025- to date.

29. NON-UNIVERSITY COMMITTEE MEMBERS/ COMMUNITY SERVICES:

1. Guest speaker at matriculation and Convocation Assam College of health science and technology, Hayin Danmani, Kaduna
2023
2. Pro bono visiting lecturer at Uthman Bin Affan College of Health Sciences and Technology, Baddiko, Kaduna
20243.
- Member, Security, Committee Unguwan Kaya, Zaria.
2024
4. Member Elders Forum Kinkinau U/Muazu GRA Kaduna South, Kaduna
2020
5. Member UBE Primary Education School Mosque Committee Kinkinau, GRA U/Muazu
2018
6. Academic Board of Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State.
2011-2018
7. Chairman Management Committee of Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State.
2011 – 2018
8. Chairman, Security Committee of Shehu Idris College of Health Sciences and Technology, Makarfi, Kaduna State.
2011-2018
9. Member, Man O' War Nigeria, Shehu Idris College of Health Sciences, Makarfi Chapter,
2006

10. Ministry of Health: Member of State Polio Eradication Committee 2003
11. Member ,Ministry of Health: Member of Kaduna State Task Force on Counterfeit and Fake Drugs Unwholesome Processed 2001
12. Member, Classroom teacher, Community Development Lesson, Makera Kakuri, Kaduna
13. National Youth Service Corp (NYSC), Bodo General Hospital, River State. 1987 – 1988
14. Member, Security Committee, Kinkinau, U/Muazu, 2017 to date

30. PROFESSIONAL LOAD/SERVICE.

1. Resource Person, Pharmacist Council of Nigeria National Workshop for Pharmacy Technicians/ Supervisors organized by PCN Abuja, Nigeria. 11th - 12th August, 2004.
2. Resource Person, Pharmacist Council of Nigeria National Workshop for Pharmacy Technician/ Supervisors held at Raw Materials Research and Development Council, Abuja, Nigeria. 25th August, 2005
3. Member, PCN Accreditation Team to School of Health, Kano, Kano State. 2007
4. Member, PCN Accreditation Team to School of Health, Gwadabawa, Sokoto State. Nov. 2007
5. PCN External Examiner, College of Health Zawan, Jos Plateau State. of Health, Tsafe, Zamfara State 2nd – 6th May, 2010
6. PCN External Examiner, School of Health, Kankia, Katsina State 2nd – 6th August, 2014
7. PCN External Examiner, School of Health, Tsafe, Zamfara State 7th – 12th August, 2015
8. Appointment as a Section Editor, by Nigeria Journal of Pharmaceutical and Biomedical Research, University of Maiduguri 2021
9. Resource person in the first cycle of 2024 accreditation /eligibility interview for foreign trained pharmacist 22nd April, 2024
10. External Examiner to the School of postgraduate Studies, University of Maiduguri 2023/ 2024 to 2024/ 2025.

31. PUBLICATIONS IN PEER REVIEW JOURNALS

A). Journal Articles

- 1. Garba .A. Musa (2020).** Comparative Evaluation of the Pharmaceutical Quality Control Parameters of Different Brands of Glibenclamide Tablets Marketed in Kaduna, Nigeria. *Natural Journal of Pharmaceutical and Biomedical Research* 4 No. 2 December, 2019 Page 192 - 197.(ISSN:- 2579 – 1419). [**Publisher : Faculty of Pharmaceutical Sciences, University of Maiduguri**].

- 2. Musa. A. Garba.,** Moji T. B., Odunola., Garba Magaji and Abel S. Agbaji **(2008).** Levels of chromium in drinks, fruits and meat products. *Journal of pharmaceutical sciences, A.B.U.Zaria.Nigeria .journ.pharm.Sci. Vol7, No.1, March, 2008.ISSN:0189823X .P. 22-28.* [**Publisher : Faculty of Pharmaceutical Sciences, Ahmadu Bello, University, and Zaria, Nigeria**].

- 3. Garba, M. A;** Musa, A. Mohammed; and Musa, L. HA. **(2010).** The Concentration of Lead in Some Herbs in Makarfi and Environs. *Journal of Pharmaceutical Sciences, ABU Zaria,* 9(1). March 2010, P.1-5, ISSN:-0189-823X.[**Publisher :` Faculty of Pharmaceutical Sciences, Ahmadu Bello University, Zaria, Nigeria**].

- 4. Musa A. Garba.,** Moji. T. Bakare-Odunola., Garba, M., Musa, A. Usman, Musa, A., Haruna, A., Rabiyyu B., Asmau, H., Mohammed, M and Emmanuel H. Mshelia. **(2017).** Quantitative estimation and pharmacokinetics of metformin in human volunteers using high-performance liquid chromatography. *Nigerian Journal of Pharmaceutical and Biomedical Research,* 2(2): 113-115. ISSN 2579-1419. [**Published by Faculty of Pharmaceutical Sciences, University of Maiduguri, Nigeria**].

- 5. Garba M.A.,** Bakare-Odunola M.T., Garba M., Yakasai A.I., Musa A., Usman M.A., Bello S.S., Rabiyyu B., and Haruna A., **(2017).** Influence of Ampicillin/Cloxacillin Combination on Pharmacokinetics of Metformin in Type II diabetic patients. *Journal of Pharmaceutical and Allied Sciences, ISSN; 1596-8499,14 (4).* [**Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria**].

- 6. Musa A. Garba.,** Moji T. Bakare-Odunola., Garba, M., Sani, S. Bello., Musa, A. and Haruna, A. **(2017).** Influence of Amoxicillin on the pharmacokinetics of metformin in type II diabetic patients. *Nigerian Journal of Pharmaceutical and Biomedical Research,* 2(2): 103-106. ISSN 2579-1419. [**Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri, Nigeria**].

- 7. Garba M.A.,** Bakare-Odunola M.T., Garba M., Musa A., Haruna A. and Bako R. **(2018).** Effects of Metronidazole and Amoxicillin on the Pharmacokinetics of Metformin in Type II diabetic patients. *FUIW Trends in Science & Technology Journal,* www.ftstjournal.com e-ISSN: 24085162; p-ISSN: 20485170; Vol. 3 No. 1 pp. 309 – 313.[**Publisher :Faculty of Science, Federal University, Wukari, Taraba, Nigeria**].

- 8. Garba M.A.,** Abdulfattah S. Haruna., Bako A., Mustapha R., Makama M.S. and Muhammad **(2018).** Quantitative Determination of Chromium in Some Vegetables in Tudun Wada Makera-Kaduna. *Nigerian Journal of Pharmaceutical and Allied Sciences* 15(1)

P. 2697-270.ISSN 1596-8499.[**Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria**].

9. Garba, M.A., Haruna A., Bako R., Mustapha L., and Oloyede, B.R. (2018). Determination of Zinc in commercially available vegetables in Kaduna, Nigeria and its environs. *Journal of pharmaceutical and allied sciences*, 15(2). ISSN: 1596-8499. Website: <http://ajol.info/index.php/jophas>.<http://www.facebook.com/jophas> 2003.[**Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka**].

10. Garba A. Musa., Bakare-Odunola T. Moji., Garba Magaji., Rukayat B. Oloyode, Haruna A. Anas and Danbaba Abduljalal. (2018). Pharmacokinetic evaluation of metformin hydrochloride with metronidazole in human volunteers. *Nigerian Journal of Pharmaceutical and Biomedical Research*, 3(3), ISSN: 2579-1419.[**Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri**].

11. Garba M.A, Bakere-Odunola M.T, Garba M., Yakasai I.A., Musa A., Haruna A.(2018). Effects of Ampiclox and Amoxicillin on the Pharmacokinetics of Metformin in Type ii Diabetic Patients. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*.e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 13, Issue 1 Ver. III PP 39-44.
www.iosrjournals.org

12.Garba, M.A., Alewu, B., Cecilia B., Jibrin A., Abduljalal D., Haruna A., (2018).Appraisal of The Utilization Of Contraceptive Devices Among Women Aged 18 – 45yrs In Some Selected Hospitals In Abuja Municipal Area Council Of Federalcapital Territory Abuja *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 13, Issue 1 Ver. VI (Jan.–Feb. 2018), PP 36-43
Doi. 10.979/3008- 130106343www.iosrjournals.org

13. Garba Musa Abdullahi., Bello Sani Saidu., Danbaba Abduljalal., Bakare MojiTaibat., Garba Magaji and Anas Haruna.. (2019). Effects of Amoxycillin and Cloxacillin on the Pharmacokinetics of Metformin. *Afr.ican Journal of Pharmaceutical Research and Development* 11(2):137-144. Available online at www.ajopred.com. [**Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, 410001 Nsukka, Enugu State**]

14. Garba, M.A., Dauda N.J., and Mohammed M., (2019). Comparative quality control studies on three brands of metformin hydrochloride tablets marketed in Kaduna, Nigeria. *Journal of Pharmaceutical and Allied Sciences*,16(4) ISSN: 1596-8499. Available online at Websites: <http://ajol.info/index.php>. [**Publisher : Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka**].

15. Garba, Musa Abdullahi, Anas, Haruna1, Danbaba, Abduljalal1, Bakare-Odunola, Moji Thaibet2, M Magaji. **Garba (2020).** Interaction Studies of Ciprofloxacin and Metformin in Type 11 Diabetic Patients. *N Nigerian Journal of Pharmaceutical and Applied Science Research*, 9(1):41-45 January 2020 (ISSN 1485- 80 59). Available at www.nijophasr.com).[**Publisher : Faculty of Pharmaceutical Sciences, University of Uyo. Akwa Ibom State Nigeria**].

16. **Garba M.A.,** Ibrahim C.T., Oloyede, R., Kassim A.A., Danmusa U.M., Bashir A., Muhammad A., Bako R., Muhammed Y., Abubakar I.S., (2021). Effect of Methanolic Extract of *Garcinia Kola* (Heckel) Seeds On The *In-Vitro* Dissolution of Metformin Tablets. *Katsina Journal of Natural and Applied Sciences* VOL. 10 No. 2 September, 2021 (ISSN: 2141-0755). [Publisher: Umaru Musa Yar'adua University, Katsina Nigeria].

17. **Garba, M.A.,** Halima L.S., Dababa A., Danmusa U.M., Bashir A., Muhammad A., Muhammed Y., Abubakar I.S., and Makama M.S., (2021). *In-vitro* evaluations of quality assessment parameters of paracetamol tablets sold in Zaria and environs. *Katsina Journal of Natural and Applied Sciences* VOL. 10 No. 2 September, 2021 (ISSN: (ISSN:2141-0755). [Publisher : Umaru Musa Yar'adua University, Katsina Nigeria].

18. **Garba M.A.,** Bashir A., Danmusa U.M., Abdullahi Z., Bashir A.I.J., (2022).Cephalexin Effect On Metformin Pharmacokinetic Parameters in Freshly Diagnosed Patients Using High-Performance Liquid Chromatography. *Archives of Pharmaceutical Sciences and Biotechnology* –Volume 2- Issue 1, 68- 78 ISSN: 2971_611X.
[Publisher: Faculty of Pharmaceutical Sciences, Kaduna State University, Kaduna, Nigeria].

19. **Garba Musa Abdullahi,** Sani Saidu Bello, Uwaisu Iliyasu , Sani Shehu and Makama Saniii (2022). High-Performance Liquid Chromatographic Interaction Studies of Azithromycin and Metformin in Human Plasma. *Journal of Pharmaceutical and Allied Sciences*. Vol. 19 No 4. ISSN: -1596-. 499.website: <http://www.facebook.com/joph.website.co.in>. [Publisher : Faculty of Pharmaceutical Sciences, University of Nigeria , Nsukka].

20. **Garba M.A.,** Fatima N. A., Bashir A., Danmusa U.M., and Kassim. A., (2023). Level of Manganese and Copper in Selected Vegetables Marketed in Kaduna Metropolis. *International Journal Science for Global Sustainability IJSGS* ISSN: 2488-9229. VOL.9(1), 2023. <https://doi.org/10.57233/ijsgs.v9i1.389>. URL:<https://fugus-ijsgs.com>. [Publisher: Federal University of Gusau].

21. **Garba M. A.,** Bashir A., Danmusa U. M., Bako R., Tanko M. A., (2023). In-Vivo Interaction Studies of Chloramphenicol and Metformin using Reverse-Phase High-Performance Liquid Chromatography (RP-HPLC). *FUIW Trends in Science & Technology Journal*, www.ftstjournal.com e-ISSN: 24085162; p-ISSN: 20485170; April, 2023: Vol. 8 No. 1 pp. 248 – 254. [Publisher: Faculty of Science, Federal University, Wukari, Taraba].

22. **Garba Musa Abdullahi.,** Bashirabdulkadir Danmusa Umar., Oloyede Bukola Rukayyat., Danbaba Abduljalal And Sani Saidu Bello., (2023). Development and Validation of a Reverse Phase High-Performance Liquid Chromatography (Rp-Hplc) Method for the Determination of Metformin in Human Plasma. *Journal of pharmaceutical and Allied Sciences* 20 (1) (2023) 3868 – 3875. [Publisher: Faculty of Pharmaceutical Sciences, University of Nsukka, Nigeria.]

23. Musa A. Garba, Abdulkadir Bashir, Umar D. Mukhtar, Aisha Muhammad and Umar Mahmood (2023). Development and Validation of a RP-HPLC Method for the Interaction Studies of Metformin and Clindamycin in Human Plasma. *Nigerian Journal of Pharmaceutical and Applied Science Research*, 12 (1): 37-43; March 2023 ISSN: 2971-737X (Print); ISSN: 2971-7388. Available at www.nijophasr.net. [Publisher: Faculty of Pharmaceutical Sciences, University of Uyo, Akwa-Ibom.]

24. Garba M.A., Sunday J., Danbaba A., Bashir A., Jane D., Sulaiman S.S., (2024) Effect of *Artemisia annua* on *In-vitro* dissolution of various brands of metformin Tablets. *Archives of Pharmaceutical Sciences and Biotechnology Journal*. Volume 4 Issue 1. Page 1-8. ISSN: 2971_611X. [Publisher: Faculty of Pharmaceutical Sciences, Kaduna State University, Kaduna Nigeria.]

25. Garba M., James M.S., Kassim A.A., Danbaba A., Sulaiman S.A., and Jane D., (2024) Effects of Ethanol Extract of *Moringa oleifera* (Lam) Leaves on the *In-vitro* dissolution profile of Metformin Tablets. *Journal of Pharmaceutical and Applied Sciences*. Vol. 21 No.1. ISSN: 1596-8499. <https://jophas.org>; <http://ajol.info/index.php/jophas> [Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria]

26. Garba, M.A., Shuaibu, S. M., Bashir, A., Sulaiman, S. S., Jane, D. and Abdulkadir, H (2024). Spectroscopic Evaluation of the Effect of Methanol Extract of *Syzygium aromaticum* on the dissolution of different Brands of Metformin. *Journal of Pharmaceutical and Allied Sciences*. Vol. 21 No. 1 (2024) ISSN: 1596-8499. <https://jophas.org> <http://ajol.info/index.php/jophas> [Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria]

27. Garba, M.A., Hauwa, Y.Y., Danbaba, A., Bashir A., Sulaiman, S.S., Jane, D., (2024) Spectroscopic evaluation of the methanolic extract of *Azadirachta indica* on the Dissolution of Metformin. *Archives of Pharmaceutical Sciences and Biotechnology Journal*. Volume 4 Issue 1. Page 10-22. ISSN: 2971_611X. [Publisher: Faculty of Pharmaceutical Sciences, Kaduna State University, Kaduna Nigeria].

28. Musa. A Garba, Danmusa. M.Umar., Abdulkadir H., Abdulkadir Nasiratu., and Abdulfatai. Khadijat. and Makama Musa (2024). RP-HPLC Method Development and Validation for Metformin and Cefuroxime Interaction Studies in Human Plasma. *Nigerian Journal of Pharmaceutical and Biomedical Research* Vol. 8 Issue.1 April, 2024. p- ISSN: 2579-1419 e-ISSN: 2814-1423. [Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri]

29. Danbaba A., Yakasai I.A Usman, M.A Garba, Abdullahi MG (2012). Health and environmental effects of lead in selected mining Communities in Zamfara State. Nigeria. *International Journal of Scientific Innovations and Sustainable Development*, . Vol.2, No.1: 47-55, ISSN: 1740- 8822. [Publisher: Center for Advanced Training and Research in association with MPYRAA, Tiko, Bura Southwestern Region, Cameroon].

30.Danbaba A., Yakasai I.A., Usman MA., Garba, **Garba MA., (2013).** Comparative study of Chromium, Iron, and Zinc levels in selected foods and vegetables using Neutron Activation Analysis(NAA).Technique. *International Journal of Research and Advancement in Bioscience*, Vol.3, No2, 7-15, IJARBS.ISSN:2348-8069. A peer-reviewed
[Publisher: Centre for Advanced Training Buer, Southwest Region, and Cameroon.]

32.Mohammad M., Musa A.M., **Garba M.A.,** Adeiza A.A. and Hanwa U.A., (2014). Phytochemical and antimicrobial study on the leaf extracts of Erythrophleum (Caesalpiniaceae). *African Journal of Biotechnology*. vol.13(4), pp.598-603,23 January,2014,2013.ISSN 1684- 5315©2014. Doi:10.5897/AJB2013.13059.
<http://www.academicjournals.org/AJB>.Academic journal.

33.Mohammed M., Bugaje I. M. & **Garba M. A.. (2015).** Three Iridoid Glycosides from the Root Extract of *Stachytarpheta angustifolia* Mill Vahl Verbenaceae. *Journal of Chemistry and Biochemistry*, 3(1): 47-62 ISSN 2374-2712 (Print) 23742720 (Online). DOI: <http://dx.doi.org/10.15640/jcb.v3n1a4>. [Publisher: American Research Institute for Policy Development]

34.Bello SS, Garba M, Sani FB, Odonula MT and **Garba MA. (2017).** A Study of the influence of Bendrofluazide on metformin in type II diabetic patients with hypertension. 6 (2), ISSN: 2277-4688. Available online at *International Journal of Advances in Pharmacy, Biology and Chemistry*. Available online at www.ijapbc.com. An open access journal abstracted and Indexed by the libraries directory (1988-1990). CAS Coden; IJAPM6. Impact factor 6.16

35. Bello S.S., Sani FB., Odunola MT., Garba M., and **Garba MA., (2017).** Interaction of Metformin and Nifedipine in type II diabetic patients with hypertension. *Journal of Chemical and pharmaceutical Research*, 9(4): 103-107.ISSN:0975 -7384, CODEN (USA). Available online at www.jocpr.com.

36.Bello SS., Sani FB., Odunola MT., Garba M., and **Garba MA., (2017).** pharmacokinetic interaction study of metformin and methyldopa in type II diabetic patients with hypertension. *Bima Journal of Science and Technology*, 1(2). ISSN: 25366041.
[Publisher: Faculty of Sciences, Gombe State University, Gombe.]

37.Rabiu Bako., Yusuf Mulazim., Augustine A., Ahmadu and **Garba M.A. (2017).** Synthesis and Characterization of 3-Methylpiperidine Substitute Benzoxazolinone Derivatives as an anti-inflammatory agent. *Nigerian Journal of Pharmaceutical and Biomedical Research* 2(2). ISSN: 2579-1419.
[Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri, Nigeria]

38.Umar M., Bala B., **Garba M.A.,** and Mohammed M.A., (2017). Subsurface mapping of groundwater contamination pathway using the geoelectric method at the waste site of Kubanni basin, Zaria, Kaduna state, Nigeria. *Journal of Pure and Applied Sciences*, 10(2): 300 - 304 ISSN 2006-6996 Available online at: <http://dx.doi.org/10.4314/bajopas.v10i2.48>.

[Publisher: Faculty of Sciences, Bayero University, Kano.]

39. Danbaba Abduljalal, **Garba A. Musa**, Moji T. Bakare-Odunola and Magaji Garba. (2018). Neutron Activation Analysis of Chromium in some Selected Foods and Vegetables in Zaria, Nigeria *Nigerian Journal of Pharmaceutical and Biomedical Research*, 3(3), ISSN: 2579-1419. [Publisher : Faculty of Pharmaceutical Sciences, University of Maiduguri, Nigeria]

40. M. Mohammed, **Musa A. Garba** ., Hassan B. Yesufu ,and A. Danbala. (2018). Characterization of flavonoid glycoside from the fruit pulp extract of *Parkia biglobosa* (Fabaceae). *Nigerian Journal of Pharmaceutical and Biomedical Research* VOL.3, NO.2, ISSN: 2579- 1419, 3(2): 161.[Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri.]

41. M. Mohammed, **Musa A. Garba**, Hassan .B. Yesufu , and .A. Danbala. (2018). Isolation and Structural elucidation of Forsythoside from the leaf extract of *Cassia occidentalis* (Caesalpiniaceae). *Nigerian Journal of Pharmaceutical and Biomedical Research*, ISSN: 2579-1419, 3(1): 65. [Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri.]

42. M. Mohammad, **M.A. Garba**, A.Haruna, and A.A.Jimoh.(2018).Characterization of Nariginin from the fruit pulp Extract of parkia biglobosa (Fabaceae). *FUW Trends in Science & Technology Journal*, www.ftstjournal.com e-ISSN: 24085162; p-ISSN: 20485170; Vol. 3 No. 28 pp. 918 – 920. [Publisher: Faculty of Science, Federal University, Wukari, Taraba, Nigeria.]

43. M.S. Haruna, **Garba M. A.** and Nosiric C., (2019). *In-vitro* screening of some selected antimicrobial agents on some uropathogenic bacterial isolates from Ahmadu Bello University Teaching Hospital, Zaria, Nigeria. *FUW Trends in Science & Technology Journal*, Available online at www.ftstjournal.com e-ISSN: 24085162; p ISSN: 20485170; 4(2):557 – 559 .
[Publisher : Faculty of Science, Federal University, Wukari, Taraba, Nigeria.]

44. Danbaba Abduljalal, **Garba Musa Abdullahi**, Usman Musa Abubakar (2020). Blood Lead Levels of Mining Communities of Zamfara State, Nigeria. *African Journal of Pharmaceutical Research and Development* Vol. 12 No.1; pp. 091-096(2020). Available online at www.ajopred.com. [Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, 410001, Nsukka].

45. Sani Saidu Bello and **Garba Musa Abdullahi** (2022). Physiochemical Evaluation of Some Brands Syrup Sold by Patent Medicine Shops in Sokoto. *Journal of Scientific Research*. JSR Vol. 1(1).77-86. ISSN 2814-3329.
[Publisher : Department of Pure and Applied Sciences, University of Maiduguri]

46. Abdulkadir Bashir , Asma’u Abdulkadir Kassima , Rukayyat Bukola Oloyedea , **Musa Abdullahi Garba** , Salisu Awwal (2023).Beneficial Properties of Carica Papaya Linn. Leaves And How They Vary According to Seasons. Some and Site of Collection. *Archives of Pharmaceutical Sciences and Biotechnology Journal*, Volume 3 Issue 2 December 2023, Page

47. Salihu, M.S. Shamaki. J, Sani, M. B. **Garba M. A. (2023)**. Phytochemical Screening and Activity of Methanolic Extract of *Chrysophyllum Albidum* Seed on *Staphylococcus Aureus* Isolated from Ready-to-Eat Soya Bean Cake (Awara) Sold at Kaduna State University Environment. *Journal of Pharmaceutical and Allied Sciences*. 20 (2) (2023) 3890 – 3899 Websites: <http://ajol.info/index.php/jophas> <http://www.facebook.com/joph.website.co.in>. [Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria]

48. Bashir AIJ, **Garba M**, Perry CJ Nicholl ID (2024). Effect of some aspirin analogs on SW480 Colorectal cancer cell line: Tip of the iceberg. *Journal of Current Biomedical Research /Biomedical Research and Management*.Vol.4, No.1,2024. DOI: <https://doi.org/10.54117/jcbr.v4i1.4>. [Publisher: Nnamdi Azikiwe University Awka . Anambra State, Nigeria.]

48. Halilu H.E., Yahya M., Dogoggo S.M., Umar K.J., Ibrahim G., Abdullahi M.I., Uba A., Babura S.I.B., **Garba M.A.**, and Yusuf A.J. (2016). Isolation and Characterization of Di-(2-ethylhexyl) phthalate from the leaves of *Combretum micranthum* (Altum) Combretaceae. *International Journal of Science for Global Sustainability*. IJGS, 2(2), ISSN:2488-9229.[Publisher :Federal University, Gusau -Nigeria.]

49. Tanko, M.A, Abdulrauf. A.I, **Garba, M.A.**, Dabo, A.A, Kuyello, A.Y and Limanci, A.A. (2017). Community participation in disaster management: Reflection on recent experiences in Kaduna State, Nigeria. *Nigerian Journal of Community Learning and Development* (1(3):81-93. Published by Institute of Community Development Practitioners, (ICD), New faculty of Education building [Publisher: Department of Adult Education and community services, Bayero University, Kano. Nigeria].

50. Haruna, A., Pateh, U.U., Sule, M.I., Musa, A.M., Sani, Y.M., Mohammed, M., Lawal, M.D and **Garba, M.A. (2017)**. Evaluation of the anticonvulsant activity of methanol leaf extract of *Hymenocardia acids*, Tul (Euphorbiaceae) in laboratory animals. *Journal of Pharmaceutical and Allied Sciences*, 14(5): 2675-2683. Available online at <http://ajol.info/index.php/jophas>. ISSN 1596-8499. [Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka, Nigeria]

51. A. Haruna., Umar U. Pateh., Ibrahim M. Sule., Aliyu M. Musa., Yahya M Sani., G. Dauda, Muhammed. D. Lawal and **Musa A. Garba (2017)**. Isolation of lupeol from the methanol leaf extract of *hymesocardia acidatul*. (Euphorbiaceae). *Nigerian Journal of Pharmaceutical and Biomedical Research*, 2(02):139 ISSN: 2579- 1419, [Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri]

52. Kyari M., **Garba M. A.**, Lawal B.K., Alewu B., Yeldu S., Mukhtar M., Gwarzo U.S., (2018). The perception of individuals toward blood donations in some selected healthcare facilities in Maiduguri, Borno State, Nigeria. *Journal of Pharmaceutical and Allied Sciences* 15 (3): 2820 – 28 34.

[Publisher: Faculty of Pharmaceutical Sciences, University of Nigeria, Nsukka.]

53.Yusuf Muhammed., AbdulJalal Yusuf Nadabo., Mkapouto Pius., Bashiru Sani., Jafar Usman., Nasir Anka Garba., Jaafaru.Mohammed Sani., Basit Opeyemi Olayanju., Sunday Zeal Bala., **Musa Garba Abdullahi.**, Misbahu Sambo (2021). SARS-CoV-2 Spike Protein and RNA Dependent RNA Polymerase as Targets for Drug and Vaccine Development: *A Review, Biosafety and Health* (2021), doi: <https://doi.org/10.1016/j.bsheal.2021.07.003>

[Publisher: El-Servier Volume 3 issue 5, pp.249 -263].

54.Yusuf Muhammed., Mkpouto Pius., Bashiru Sani., Bulus Timothy., Jafar Usman., **Musa Garba** (2021). Breakthroughs In Sars-Cov-2-Monoclonal Antibodies Development *Novel Research in Microbiology Journal* (2021), 5(1): 1063-1076 (Print) (ISSN 2537-0286). *Review An article* (Online). (ISSN 2537- 294).www.nrmj.journals.ekb.eg. DOI: 10.21608/nrmj.2021.149375. Indexed by DOAJ, Google scholar, Publons, I2OR, Egyptian Knowledge Bank (EKB) and licensed under the creative commons 4.0.

[Publisher: The National Information and Documentation Centre (NIDOC). Academy of Scientific Research and Technology (ASRT), Cairo Egypt].

55.Oloyede RB, Bashir A, Luka SK, **Garba MA**, Danbaba A, Awwalu S, Kasim AA and Jimoh AA. (2024). Quality Assessment of Some Herbal Aphrodisiac Instant Coffee Premix Products Marketed in Kaduna, Nigeria. *Trends Nat. Prod. Res.* 5(1): 35-43, 2024. Volume 5 Issue 1, 2024: [//doi.org/10.61594/tnpr.v5i1.2024.103](https://doi.org/10.61594/tnpr.v5i1.2024.103). Journal anchored by the Natural Products Research Group (NAPREG).

[Publisher: Department of Pharmacology and Toxicology, University of Nigeria, Nsukka.]

56.Joshua, M., **Garba, M.A.**, Bashir AIJ., Nosiri, C. Abdulkadir, N. and Abdulfatai., K . (2024).Comparative yield analysis of Biodiesel from Kernel Oils of *Jatropha Curcas* and *Azadirachta Indica* Sourced from Zaria Nigeria. *Journal of Pharmaceutical and Allied Sciences* Vol. 21 No. 2 (2024)ISSN: 1596-8499

Websites: <https://jophas.org> <http://ajol.info/index.php/jophas> <http://www.facebook.com/joph.website.co.in>

[Publisher: by Faculty of Pharmaceutical Sciences, University of Nigeria].

57.Salome Stephen Micheal, Abdullahi Nuhu Maikudi, **Musa Garba Abdullahi** (2024). Antimicrobial activities, gc-ms composition and proximate analysis of volatile oil extract from tumeric rhizomes (*curcuma longa*). *Science World Journal* Vol. 19(No 4) 2024 <https://dx.doi.org/10.4314/swj.v19i4.41> www.scienceworldjournal.org ISSN: 1597-6343 (Online), ISSN: 2756-391X (Print) Published by Faculty of Science, Kaduna State University. <https://dx.doi.org/10.4314/swj.v19i4.41>.

58.**Garba M.A** , Bashira A , Danmusa U.M Awwal S , Idris , A. and yunusa A.A.(2025)

Pharmacokinetic drug-herb interaction of metformin and syzygium aromaticum aqueous extract in swiss albino rats. Journal of Pharmaceutical and Allied Sciences University of Nigeria, Nsukka, jophasjournal2003@gmail.com Vol. 22 No. 3 (2025)ISSN: 1596-8499 Websites: <https://jophas.org> <http://ajol.info/index.php/jophas> <http://www.facebook.com/joph.website.co.in>

59. Iliyasu Uwaisu, Sawsan S. Al-Rawi, Ahmad H. Ibrahim, Abdulrahman Mahmoud Dogara, Ateeq Ahmed Al-Zahrani, Shehu Sani, Yakubu Yahaya, Sani Hammada, **Garba Musa Abdullahi**, Hussain D. Almalki and Alaa Ahmad Hamdy (2025). Molecular docking and biochemical insights into the pro-apoptotic cytotoxicity of Breonadia salicina. AIMS Biophysics, 12(4): 544–569. DOI: 10.3934/biophy.2025026. <http://www.aimspress.com/journal/biophysics>.

60. **Musa Garba Abdullahi**, Reuben Geoffrey, Umar Mukhtar Dan-musa, Idris Aisha, Karimatu Ibrahim, Bashir Maryam Dialo, Odelami, Abdulrasheed Kafayat. (2026). Modulation Of Metformin Dissolution Kinetics By *Mangifera Indica* Seed Ethanolic Extract: An In-Vitro Herb–Drug Interaction Study. Nigerian Journal of Pharmaceutical and Biomedical Research Vol. 9 Issue. 3 December, 2025. p-ISSN: 2579-1419 e-ISSN: 2814-1423. [Publisher: Faculty of Pharmaceutical Sciences, University of Maiduguri.]

61. Garba Musa Abdullahi, Aliyu Amina, Umar Dan-musa Mukhtar, Bashir, Asma'u Ismail-Junaidu, and Idris Aisha (2026). Herb–Drug Interaction and Antidiabetic Drug Development: A Spectroscopic and Pharmacokinetic Investigation of Polyalthia Longifolia Versus Metformin. International Journal Of Science For Global Sustainability. ISSNp: 2488-9229; ISSNe: 3027-1118. DOI: <https://doi.org/10.57233/ijsgs.v12i2.1090>. (Publication Of Faculty Of Science, Federal University Gusau, Nigeria)

32. TECHNICAL REPORT: -

1. Chairman Strategic plan report presented for the **2015-2020** National University Commission accreditation of B. Pharm. Program.

2. Chairman Strategic plan report presented for the **2020-2025** National University Commission accreditation of B. Pharm. Program.

33. Institutional based research grand won (Tetfund) 21st November, 2022
2018V-2023 (MRGED) TETFUND INTERVENTION ON RESEARCH PROJECTS (RP)
Amount = ₦1,860,750:00

Research Title: Effects of chloramphenicol and clindamycin on the pharmacokinetics of mefomine

Hydrochloride in freshly diagnosed volunteers using high performance liquid chromatography (HPLC)

34. INTERNATIONAL/LOCAL CONFERENCES /ATTENDED/PAPERS PRESENTED WITH DATES:

1. Danbaba A., **Garba M.A.**, Odunola M., Hanwa U.A., (2020). International e - Conference on Emerging Trends in Bioscience and Technology" (ETBT-2020). "Recent issues and challenges of Health, Environmental and Society (RICHES). SANDIP University (UGC Recognized). Jointly Organized by the School of Science, Sandip University, Nashika , India and Biotechnology, Society of Nepal (BSN) Nepal. 2020.1-3 June 2020. **Book of Abstract pp.36.**
2. Bako R., Mulazim Y., Ahmadu A.A. and **Garba M.A..** (2020) American Chemical Society (ACS). Nigeria International Chemical Sciences Chapter. Synthesis and Characterization of 3- Methylpiperidine substituted Benzoxazolinone Derivatives as an anti-inflammatory Agent. Organized by Sokoto State University, Sokoto. 1st to 4th March, (2020.) **Book of Abstract pp.121.**
3. **Garba M.A.**, Bakari Odunola., Garba M., and Ibrahim Y.A., (2019). Pharmacokinetic Interaction of Metformin Hydrochloride with Metronidazole in Human Volunteers. 4TH Annual International Conference Organized by Faculty of Science. Yusuf Maitama Sule University, Kano Nigeria. 10th July, 2019. **Book of Abstract pp.57.**
4. Danbaba, A, Garba., **Garba M.A.**, and Usman M.A., (2019). Health effect of Blood Lead Levels (BLLS) in Children and Adults of Mining Communities of Zamfara State Nigeria. 4TH Annual International Conference Organized by Faculty of Science. Yusuf Maitama Sule University, Kano Nigeria. 10th July, 2019. **Book of Abstract pp.65.**
5. Mohammed M., **Garba M.A.**, and Gabi B., (2018). A prenylated benzoquinone from the leaf extract of *Annona muricata* (Annonaceae) 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -19th April, 2018, in Lagos.
6. Mohammed M., **Garba M.A.**, and Gabi B., (2018). A hydroxylated benzophenone glycoside from the stem bark extract of *Annona muricata* (Annonaceae) 52nd Annual Conference of Science Association of Nigeria (SAN), 15th 19th April, 2018, in Lagos
7. Mohammed M., **Garba M.A.**, and Gabi B., (2018). Flavonoid glycoside from the fruit pulp extract of *Parkia biglobosa* (Fabaceae) 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -19th April, 2018, in Lagos.
8. **Garba M.A** and Danbaba A., (2018). Concentrations of zinc in some selected vegetables in Kaduna town and environs, Nigeria. 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -9th April, 2018, in Lagos
9. Kyari M., **Garba M.A.**, Alewu B., Mukhtar M., Gwarzo U.S., (2018). The perception of residents towards blood donation in some selected facilities in Maiduguri, Borno state – Nigeria. 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -19th April, 2018, in Lagos

10. **Garba M.A.**, Bakare-Odunola M.T., Garba M., Musa A., Haruna A. (2018). Effects of metronidazole and amoxicillin on the pharmacokinetics of metformin in type ii diabetic patients 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -19th April, 2018, in Lagos
11. Danbaba A., Usman M.A., **Garba M.A.**, (2018). Comparative Analysis of Lead (Pb) Levels in common grain between soil remediated and non-remediated mining Communities in Zamfara State-Nigeria. 52nd Annual Conference of Science Association of Nigeria (SAN), 15th -19th April, 2018, in Lagos
12. **Garba M.A.**, Bakari Odunola., Garba M., Yakassai A.I., Haruna A., Musa A., Bello S.S., and Hamza A., (2017). Estimation and pharmacokinetics of metformin in human volunteers 51st Annual Conference of Science Association of Nigeria (SAN), Covenant University 9th -13th July 2017.
13. Haruna, A., Pateh U.U., Sule M.I., Musa A.M., Sani Y.M., Dauda G., and **Garba M.A.**, (2017). Isolation of Lupeol from the Methanol Leaf Extract of *Hymenocardia acida*, Tul (Euphorbiaceae). 51st Scientific Conference and Workshop of the *Nigeria Association of Pharmacists in Academia*, Faculty of Pharmacy, Ahmadu Bello University, Zaria, Nigeria. 18th - 21st April, 2017. Book of Abstracts: Pp. 29
14. Haruna, A., Pateh U.U., Sule M.I., Musa A.M., Sani Y.M., Dauda G. and **Garba, M.A.**, (2017). Phytochemical Screening and Anticonvulsant Studies of the Methanol Leaf Extract of *Hymenocardia acida*, Tul (Euphorbiaceae) on Laboratory Animals. 51st Annual Conference CanaanLand organized by Science Association of Nigeria, Covenant University, Ota, Ogun State, Nigeria. 9th -13th July, 2017. Book of Abstracts: SAN-17-PHARM-097 Pp. 100
15. **Garba, M.A.**, Bakare-Odunola M.T., Garba M., Yakasai A.I., Musa A., and Haruna A., (2017). Estimation and Pharmacokinetics of Metformin in Human Volunteers. 51st Annual Conference CanaanLand organized by Science Association of Nigeria, Covenant University, Ota, Ogun State, Nigeria. 9th -13th July, 2017. Book of Abstracts: SAN-17-PHARM-098 Pp. 101.
16. **Garba, M.A.**, Alewu B., Cecilia B., Jibrin A., Abduljalal D., and Haruna A., (2017). Appraisal of the Utilization of Contraceptive Devices among Women Aged 18 - 45yrs in Some Selected Hospitals in Abuja Municipal Area Council of Federal Capital Territory (FCT) Abuja. 51st Annual Conference CanaanLand organized by Science Association of Nigeria, Covenant University, Ota, Ogun State, Nigeria. 9th -13th July, 2017. Book of Abstracts: SAN-17-BIOSC-098 Pp. 036.
17. **Garba M.A.**, Bakare-Odunola M.T., Magaji G., Yakasai A.I., Bello S.S., Musa A., Bell S.S., Giwa A., Muhammed M., Abdussalam A.O., Danbaba A., (2016). Effects of Ampiclox and Amoxicillin on the Pharmacokinetics of Metformin in Type 2 diabetic patients. 50th Anniversary Conference of Science Association of Nigeria, Abuja 2016 Book of Abstract. pp 60

18. **Garba M.A.**, Bakare-Odunola M.T., Magaji G., Yakasai A.I., Bello S.S., Meshelia H.E., Shaibu M., Muhammed M., Abdussalam A.O., Abdullahi U.S., Danbaba A., (2016). Effects of Ampiclox, Metronidazole, and Amoxicillin on the Pharmacokinetics of Metformin in Type II diabetes mellitus. Conference and Scientific meeting of National Association of Pharmacists in Academia (NAPA) Sagamu, 11th -15th July, 2016.
19. **Garba M.A.**, Bakare-Odunola M.T., Garba M., Yakasai A.I., Bello S., Usman M., Hamza A., (2014). Simple, Rapid Method of determination of metformin in human plasma using high-performance liquid chromatography. 33rd Annual Conference of *Nigerian Society of Biochemistry and Molecular Biology* 11-14TH November, (2014.) Ilorin. Book of Abstract **pp.91**
20. **Garba M.A.**, Bello S.S., Bakare-Odunola M.T., Magaji G., Yakasai A.I., Usman M., Hamza A., Musa A., and Sani F.B., (2014) Influence of Metronidazole on Pharmacokinetics of Metformin in type 2 Diabetes Mellitus. 49TH annual Conference *Science Association of Nigeria*. 27th April – 1st May 2014 Ilorin **pp.11**.
21. Bello S.S., Bakari Odunola., Garba M., Bello F.S., **Garba M.A.**, (2014). Effect of Nefedipine on metformin in type ii patients with hypertension 49TH annual Conference *Science Association of Nigeria*. 27th April – 1st May 2014 Ilorin **pp.142**.
22. Bello S.S., Bakari Odunola., Garba M., Bello F., **Garba M.A.**, and Mustapha K.B., (2014). Determination of Metformin in human plasma using High-performance liquid Chromatography, 12th National Conference and Scientific meeting of National Association of Pharmacists in Academia. (NAPA) 14TH -17TH April 2014. **pp15**
23. **Garba M.A.**, Bakare-Odunola M.T., Magaji G., Yakasai A.I., Bello S.S., Usman MA., Amin M., Mohammed M., (2014). Effects of Ampiclox on the Pharmacokinetics of Metformin in Type II Diabetic Patients. 12th National Conference and Scientific Meeting of National Association of Pharmacists in Academia (NAPA) 14TH -17TH April 2014 Book of Abstract. **pp55**.
24. **Musa A. Garba.**, Moji T.B Odunola., Magaji Garba., and Abel S. Agbaji., (2012). The level of chromium in meat products, Fruits and Drinks in Zaria, Nigeria. International Conference of West African Society for Pharmacology, (Societeouest- Africaine De Pharmacologie) (Soap) at Department of Pharmacology & Clinical Pharmacy, Ahmadu Bello University, Zaria, Nigeria from 10th -14th December, 2007. Organised by Ahmadu Bello University, Zaria, Nigeria. Book of Abstract **pp. 69**.

35. PROFESSIONAL SERVICES/ HONOUR SOCIETIES:

1. Member, Ahmadu Bello University Alumni (**ABUA**)
2. Member, Ahmadu Bello University Pharmacy Alumni (**ABUPA**).
3. Member, Pharmacists Council of Nigeria (**PCN**)

4. Member, Pharmaceutical Society of Nigeria (PSN)
5. Member, Science Association of Nigeria (SAN)
6. Member, National Association of Pharmacists in Academia (NAPA)

36. HOBIES

Reading, Research and Trekking

37. NAMES AND ADDRESSES OF THREE REFEREES:

1. Prof. Magaji Garba
Department of Pharmaceutical and Medicinal Chemistry,
Ahmadu Bello University,
P.M.B. 1067, Zaria
Mobile (+2348037033075)
magakatagum@gmail.com
2. Prof. Umar Pate
Department of Pharmaceutical and Medicinal Chemistry
Ahmadu Bello University,
P.M.B. 1067, Zaria
3. Prof. A. M. Musa
Department of Pharmaceutical and Medicinal Chemistry,
Ahmadu Bello University,
P.M.B. 1067, Zaria.
Mobile (+2347059561189 or +2348023637971)
Email: alimsa69@gmail.com



Signature

Date: 26th June, 2026.