

PERSONALITY PROFILE



Professor Hafiz Abubakar, MFR, DSc.

C10, Kabuga Housing Estate, Gwale Local Government, Kano State

Phone: +2348035051951 Email: hafiz558@yahoo.co.uk

C/O Department of Biochemistry, Faculty of Basic Medical Sciences, Bayero University, PMB 3011, Kano, Nigeria

Professor Hafiz Abubakar served as Kano State's Deputy Governor from 2015 to 2018. He is currently the Chairman of the Governing Council of Northwest University, Kano; Member, Governing Council of Al-Ansar University, Maiduguri; Chairman of the Governing Board of the Aminu Kano Centre for Democratic Research and Training, Mambayya House, Bayero University, Kano; Chairman, Board of Trustees of Consumer Advocacy for Food Safety and Nutrition Initiative (CAFSANI); Member, TETFund Standing Committee on Research and Development (R&D) and Member, Board of Trustees of Foundation for the Development of Science and Technology in Hausa (*Gidauniyar Kimiyya Da Fasaha A Harshen Hausa*).

Previously, he was a member of the Tertiary Education Trust Fund (TETFund) Board of Trustees, Member of the Board of Joint Admissions and Matriculation Board (JAMB), Chairman implementation committee Northwest (now Yusuf Maitama Sule) University Kano, Special Assistant to Honourable Minister of Defence, Kano State Commissioner of Education, Science, Technology and Innovation, Commissioner of Finance, among many others. In addition, he was the National Coordinator of the FAO-UN Assisted-Food Security and Intervention Project and Technical Coordinator of the Pilot Phase of Special Programme on Food Security in Nigeria.

He served in various capacities at Bayero University Kano, Nigeria. He was the Deputy Vice Chancellor (Academics), Dean Faculty of Basic Medical Sciences, Director Centre for Biotechnology Research, Head of Biochemistry Department, member and chair of various university committees among others.

He obtained a PhD in Cereal Biochemistry in 1992 and Master of Science in Food Science (General Option) in 1985 both from the University of Reading, United Kingdom. He has over 30 years of teaching and research experience and published 5 books and numerous peer-reviewed journal articles and presented papers at various national and international conferences, seminars, symposia and workshops. He has supervised many undergraduate projects and MSc dissertations as well as a PhD Thesis. He has demonstrated at the American Association of Cereal Chemist (AACC), Cereal Processing and Quality Control at Reading University, United Kingdom for three years. In addition, Prof. Hafiz has a very extensive knowledge of Differential Scanning Calorimetry (DSC), cereal processing and quality control and a working knowledge of Dynamic Mechanical Rheometry (DMTA), SDS-Polyacrylamide Gel Electrophoresis (SDS-PAGE), and Extrusion Technology.

Prof. Hafiz was conferred with the National Honour of Member of the Federal Republic (MFR) for services to the educational sector and was awarded the Honourary Degree of Doctor of Science (DSc) by the University of Reading, United Kingdom. He is a Fellow of the Nigerian Institute of Food Science and Technology, NIFST (with Lifetime Achievement Award), Fellow, Nutrition Society of Nigeria (NSN), Fellow, Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Fellow, Institute for Dietitians in Nigeria, Fellow Academy for Medicine Specialities and Member of the Institute of Food Science and Technology (IFST), United Kingdom.

He is happily married with children and grandchildren.

BIODATA

Name: **Hafiz ABUBAKAR**
Date of Birth: Thursday, November 25, 1954
Place of Birth: Sabon Sara Quarters, Gwale Local Government, Kano State
Marital Status: Married with Children
Discipline: Food Science and Nutrition
Present Rank: Professor of Food Science and Nutritional Biochemistry (Retired)

EDUCATION

1989 – 92: University of Reading, United Kingdom.
1984 – 85: University of Reading, United Kingdom.
1983 – 84: Queen Elizabeth College, University of London, United Kingdom.
1975 – 80: Kaduna Polytechnic, Kaduna, Nigeria
1968 – 72: Government Secondary School, Gwale, Kano, Nigeria.
1960 – 67: Dandago/Dambatta Boarding Primary School, Kano, Nigeria.

QUALIFICATIONS

1992: Doctor of Philosophy (Cereal Biochemistry)
1985: Master of Science (Food Science), General Option.
1984: Postgraduate Diploma in Clinical Nutrition.
1980: Higher National Diploma (Nutrition and Dietetics).
1972: WASC/GCE 'O' Level (Science).

CAREER HISTORY

2022: Member/Ag. Chairman of Al-Ansar University, Maiduguri, Borno State, Nigeria.
2021: Chairman, Presidential Visitation Panel to the University of Maiduguri for the period 2010 to 2020
2020 - Date: Member, TETFund Standing Committee on Research and Development (R&D)
2020 – Date: Chairman, Governing Board of the Aminu Kano Centre for Democratic Research and Training, Mambayya House, Bayero University, Kano.
2019 – 2024 Visiting Professor, National Universities Commission, Abuja.
2015 – 2018: Deputy Governor, Kano State

- 2013 – 2014: Deputy Vice – Chancellor (Academics), Bayero University, Kano.
- 2013 - 2014 Dean, Faculty of Basic Medical Sciences, College of Health Sciences, Bayero University.
- 2012 – 2014: Director, Center for Biotechnology Research, Bayero University, Kano.
- 2009 – 2013: Head, Department of Biochemistry, Bayero University, Kano.
- 2008 – 2012: Chairman, Northwest Chapter of the Nigerian Institute of Food Science and Technology (NIFST).
- 2011 – 2024 Professor, Department of Biochemistry, Bayero University, Kano
- 2010 – 2015: Member, Board of Management of Aminu Kano Teaching Hospital (AKTH) representing the Vice – Chancellor, Bayero University, Kano.
- 2009 – 2013: Member, Board of Trustees, Tertiary Education Trust Fund (TETFund).
- 2003 – 2006: Special Assistant to Honourable Minister of Defense.
- 2001 – 2003: Member, Kano State Executive Council (as Commissioner of Finance).
- 2000 – 2001: Special Adviser (Political) to Kano State Executive Governor.
- 1998 – 2010: Associate Professor, Department of Biochemistry, Bayero University, Kano.
- 1998 – 1999: Technical Coordinator SPFS (Pilot Phase) TCP/NIR/8923(D). FAO-UN.
- 1996 – 1997: National Project Coordinator, FAO Assisted – Food Security and Nutrition Intervention Project TCP/NIR/4555(T), FAO-UN.
- 1995 – 1998: Senior Lecturer, Department of Biochemistry, Bayero University, Kano.
- 1994 – 1995: Principal Lecturer (in Food Science and Nutrition), Kano State Polytechnic.
- 1989 – 1994: Researcher/Demonstrator, Department of Food Science and Technology, University of Reading, United Kingdom.
- 1981 – 1983: Assistant Lecturer (in Food Science and Nutrition), School of Management Studies, Institute for Higher Education, Kano.
- 1981: Higher Nutrition Officer, Ministry of Health, Kano.
- 1980 – 1981: NYSC Dietician, Ayangba Agricultural Development Agency (World Bank Project), Benue State.
- 1973 – 1975: Clerical Officer, Kano State Military Governor’s Office (Information Division), Kano.

FELLOWSHIP, AWARDS AND MEMBERSHIP OF PROFESSIONAL BODIES

1992: Member Institute of Food Science and Technology, United Kingdom.

2012: Fellow, Nigerian Institute of Food Science and Technology.

2018: Honourary Degree of Doctor of Science, University of Reading, United Kingdom

2018: Fellow, Nutrition Society of Nigeria

2018: Member, Board of Trustees of the Nutrition Society of Nigeria

2018: Member, Board of Trustees of Foundation for the Development of Science and Technology in Hausa
(*Gidauniyar Kimiyya Da Fasaha A Harshen Hausa*)

2020: Chairman, Board of Trustees of Consumer Advocacy for Food Safety and Nutrition Initiative
(CAFSANI)

2021: Fellow, Academy of Medicine Specialties of Nigeria

2023: Fellow, Nigerian Society of Biochemistry and Molecular Biology

NATIONAL HONOUR /AWARD

2014: Member of the Federal Republic (MFR)

KEY EXPERIENCE

1. Running the affairs Kano State as Deputy Governor and Commissioner of Education, Science, Technology and Innovation.
2. Background of over 25 year Postgraduate experience as a Lecturer in Food Science, Public Health Nutrition and Food and Nutritional Biochemistry.
3. Has many years of experience in Academic and Public Administration as a Head of Department/Chief Examination Officer, Deputy Director, Deputy Dean, Director, Dean, Special Adviser and State Commissioner.
4. Has experience of 3 years as a Demonstrator of American Association of Cereal Chemist (AACC), Cereal Processing and Quality Control at Reading University, United Kingdom.
5. As a very extensive knowledge of Differential Scanning Calorimetry (DSC), Cereal processing and quality control and a working knowledge of Dynamic Mechanical Rheometry (DMTA), SDS – Polyacrylamide Gel Electrophoresis (SDS-PAGE), and Extrusion Technology.
6. Has experience of organizing, conducting and supervising Food Intervention Programmes to improve Household Food Security and Nutrition as the National Project Coordinator of the Food and Agriculture Organization (FAO) of the United Nations, and Pioneer Technical Coordinator of the Special Programme of Food Security (SPFS) Pilot Phase in Nigeria, and as an International Consultant to the Food and

RESPONSIBILITIES (at Bayero University Kano)

a) Teaching (B.Sc Biochemistry, M.Sc. Biochemistry and MBBS Programmes)

- Biosynthesis of Macromolecules and Industrial Biochemistry to Level 400 B.Sc Biochemistry students.
- Food and Nutrition Biochemistry to Level 300 B.Sc. Biochemistry students.
- Nutritional Biochemistry to Level 300 MBBS students.
- Public Health Nutrition to Level 400 MBBS students.
- Clinical Nutrition to Level 500 MBBS students.
- Advanced Nutritional Biochemistry to M.Sc. and PhD Biochemistry students.

b) Research

- Supervision B.Sc., M.Sc., PhD Biochemistry Projects and MBBS Community Medicine Field Posting.
- Conducting Personal Postgraduate Researches

c) Membership of University Committees

1999 – 2007: Member, Editorial Board, Journal of General Studies (New Edition).

1998 – 1999: Member, Editorial Board, Kano Studies.

1998 – 2000: Member, Senior Staff Housing Committee.

1996 – 1997: Member, Kano State Health Services Management Committee.

1996 – 1997: Member Bayero University Admissions Committee.

1996 – 1998: Chairman, Faculty of Medicine Admission Committee.

1996 – 1997: Member, Postgraduate School Board, Bayero University, Kano.

1999 – 2002: Member, Bayero University Senate Representing Congregation.

2000 – 2002: Member, Bayero University 9th Council Representing Senate.

2011: Chairman Reorganization of Bursary Department Committee, Bayero University, Kano.

2010 – 2015: Chairman, Tertiary Education Trust Fund Implementation Committee (EPIC), BUK.

2010 – 2015: Member, University Research Board.

2011 – 2015: Member, Bayero University 12th Council Representing Senate.

COMMUNITY SERVICE

2022: Member/Ag. Chairman of Al-Ansar University, Maiduguri.

2020: Chairman, Board of Trustees of Consumer Advocacy for Food Safety and Nutrition Initiative (CAFSANI)

2018: Member, Board of Trustees of Foundation for the Development of Science and Technology in Hausa (*Gidauniyar Kimiyya Da Fasaha A Harshen Hausa*)

2014 – 2015: Member, Board of Joint Admissions and Matriculation Board (JAMB).

2009 – 2013: Member, Board of Trustees, Tertiary Education Trust Fund, Representing Northwest Zone.

2009 – 2015: Member, Board of Management of Aminu Kano Teaching Hospital (AKTH) representing the Vice – Chancellor, Bayero University, Kano.

2008 – 2012: Chairman, Northwest Chapter of the Nigerian Institute of Food Science and Technology (NIFST)

2003 – 2006: Special Assistant to Honourable Minister of Defence Federal Republic of Nigeria.

2001 – 2003: Member, Kano State Executive Council (as Commissioner of Finance)

2000 – 2001: Special Adviser (Political Affairs) to Kano State Governor.

1999: Member, Kano State Government Transition Committee.

1996 – 2003: Member, Gwale Local Government Education Advancement Committee.

1996 – 1999: National Project Coordinator, FAO assisted Technical Corporation Project on Food Security and Nutrition (FAO-TCN/NIR4555(T).

KEY PUBLICATIONS

a) Articles in Journal

1. Sulaiman, S., GadanyA, A. M., Muhammad, A. S., **Abubakar, H.** and Abubakar, S. M. (2020). Assessment of Nutritional Status, Knowledge, Attitude and Practices of Infant and Young Child Feeding in Kumbotso Local Government Area, Kano State, Nigeria. *Pakistan Journal of Nutrition*. **Accepted.**
2. Said, A. M., **Abubakar, H.** and Bello, B. (2017). Sensory and Microbial Analysis of Tiger Nut (*Cyperus esculentus*) Beverage. *Pakistan Journal of Nutrition*. 16: 731 – 737.
3. Garba, S. A., Abubakar, H. A., **Abubakar, H.**, Kurfi, B. G. and Abubakar, S. M. (2017). Impact of *Balanites aegyptiaca* (Desert Date) Fruit consumption on Metabolic Syndrome Markers in Diabetic Patients Attending Murtala Muhammad Specialist Hospital Kano, Nigeria. *Bayero Journal of Medical Laboratory Science*. 2(2): 243 – 249.
4. Alhassan, A.J., Sule, M.S., **Abubakar H.**, Abdulmumin, T.M., and Dangambo T.M. (2014). Fatty acids Composition of Bambara Groundnut (*Vigna subterranean (L.) Verdc*) grown in Madobi, Kano State,

- Nigeria. *European scientific Journal*, 10(24), 143 – 151.
5. Uba, A.I., **Abubakar, H.**, Atiku, M.K., and Wudil. (2014). Proposed Genetic Approach to Protecting Infants to be Breast-fed by HIV Positive Other against HIV infection. *International Journal of Tropical Infectious Disease* 1(2): 27 – 76.
 6. Alhassan, A.J., Sule, M.S., **Abubakar, H.**, Muhammad, Y.Y., and Abdulmumin, T.M. (2013). Amino Acid profile of Bambara Groundnut (*Vigna subterranean (L.) Verdc*) Cultivars of Kano State – Nigeria. *Proceeding of the 37th Annual Conference and AGM of the Nigerian Institute of Food Science and Technology*, October 22- 26, 2013, pl. 23 – 24.
 7. Alhassan, A.J., Sule, M.S. **Abubakar, H.**, Muhammad, Y.Y. and Abdulmumin, T.M. (2013). Proximate on composition Bambara Groundnut (*Vigna subterranean (L.) Verdc*) Cultivars of Kano State – Nigeria. *Proceeding of the 37th Annual Conference and AGM of the Nigerian Institute of Food Science and Technology*, October 22 – 26, 2013, p.118 – 120.
 8. Atiku, M.K. Gwadabe, F.R., **Abubakar, H.** and Aliyu M. (2013). Phytochemical contract and effect of oral Administration of Black Tea on serum glucose and lipid levels in alloxan – induced diabetic rats. *Nigeria Journal of Nutritional Sciences*. Vol. 34(1), 6 – 8.
 9. Alhassan, A.J., Sule, M.S., Atiku, M.K., Wudil, A.M., **Abubakar, H.** and Mohammed, A.S. (2012). Effect of Aqueous Pear (*Persea Amevic ana*) Seed extract on alloxan – induced diabetic rats *Greener Journal of Medicinal Sciences*, Vol. 2(1). 005 – 11.

10. Kabiru, T., **Abubakar H.** and Atiku, M.K. (2012). Study of Nutritional Status in Pregnant Women attending Kiru Comprehensive Health Center in Kano State. *BAJOPAS* 5(2), 119 – 121.
11. **Abubakar, H.**, Ibrahim, A.Y. and Atiku M.K. (2011). Nutritional Status of Adolescents from Selected Secondary Schools in Katsina State, Nigeria. *Nigerian Journal of Nutritional Sciences*, Vol. 33(2): 11 – 14.
12. Yunusa, I., Atiku, M.K. and **Abubakar, H.** (2011). Socioeconomic Status and Dietary Habits amongst adolescents from Kano Metropolis, Nigeria. *Biological and Environmental Sciences: Journal for the Tropics*, 8(3): 217 – 222.
13. **Abubakar, H.** Atiku, M.K. and Muhammad, H.A. (2011). Effect of oral Administration of 3 brands of Black Tea on Serum Lipid Profile in Hyperlipidaemic rats. *Biological and Environmental Sciences: Journal for the Tropics*, Vol. 8(2): 32 – 34.
14. **Abubakar, H.**, Abubakar S.M. and Atiku, M.K. (2011) Glyceamic index and Glyceamic load of some common consumed diets in Northern Nigeria. **Biological and Environmental Sciences: Journal for the Tropics**, Vol 8(1): 61 – 65.
15. **Abubakar, H.** (2010). The Role of starch Gelatinization in the texture of Sorghum Products. *Nigerian Food Journal*, Vol, 28(2): 486 – 499.
16. **Abubakar, H.**, Jega, S.A. (2010). The Nutritional Quality of Roselle and Tamarind Juice and spray- dried powders. *Nigerian Journal of Nutritional Sciences*, Vol. 31(2): 36 – 39.
17. **Abubakar, H.** Abubakar, S.M. and Atiku, M.K. (2010). Glycaemic index and Glycaemic Load of some commonly consumed Local Diets in Northern Nigeria. *Biological and Environmental Sciences: Journal for the Tropics*, 7(2): 31 – 34.
18. **Abubakar, H.**, and B.E. Brockway (2009). Comparative Extrusion and differential Scanning Calorimetric (DSC): Study of Sorghum and Wheat Starch Gelatinization. *Biological and Environmental Sciences: Journal for the Tropics*, 6(2): 124 – 129.
19. **Abubakar, H.** (2008). Household Food Security, Nutritional Intervention and the Consultative Process: The Kano State Experience (1996 – 2007). *Nigerian Journal of Nutritional Sciences*, Vol. 29(1): 205 – 211.
20. Ibrahim, A., Atiku, M.K., **Abubakar, H.** and Suleiman, J.S. (2006). Determination of Glycaemic indices of some Traditional Diets in Kano Metropolis. *Biological and Environmental Sciences: Journal for the Tropics*, Vol. 3(2): 129 – 134.
21. Ibrahim, a. Atiku, M.K., **Abubakara, H.**, and Suleiman, J.S. (2006). Glycaemic indices of some common Diets in Kano Metropolis. *Biological and Environmental Sciences: Journal for the Tropics*, Vol.3(1): 117 – 118.

22. **Abubakar, H.** (2001). Approaches to improving the Nutritive values of Maize with Particular Emphasis on QMP. In: *Maize for Better Nutrition*, S. Miko J.A. Valencia and A.M. Falaki (eds). 2001, 114 – 120.
23. **Abubakar, H.** (1999). Maize as a Source of Starch for Food and Pharmaceutical Industries, *Proceeding of National Workshops on Maize, SASAKAWA & IAR/ABU, Zaria* 1999: 152 – 158.
24. Olukosi, J., Dirorimwe, C., **Abubakar, H.**, Mohammed, A., Falaki, A.M., Aliyu, L. (1997). Summary of the preliminary results of the participatory rural appraisal (PRA) of the Household Food Security and Nutrition in Kano State. *Proceedings of the International Workshop on Food-based Interventions for Household Food Security and Nutrition Improvement in Kano State, February 24 – 27, 1997, FAO-UN TCP/NIR/4555(t)*, 29 – 40.
25. **Abubakar, H.** (1996). Electrophoretic protein of Nigerian Sorghum Starch Surface protein. *Nigerian Journal of Biochemistry and Molecular Biology*, Vol. II, 1996: 19 – 26.
26. **Abubakar, H.** (1995). The Physico-chemical properties of Nigeria sorghum Starch and its Individual application. *Proceeding of Symposium on Chemistry and Biotechnology for Nutritional Development, SHETSCO, August*, 1995: 164 – 173.

b) Books and Book Chapters

1. Abubakar, H. (2010). Sorghum Starch: Physico-chemical properties and application. Ahmadu Bello University Press, Zaria.
2. Abubakar, H. (2010). Kafi Zabo (Monosodium Glutamate: A Seasoning or Sickening Agent? Second Edition, Ahmadu Bello University Press, Zaria.
3. Abubakar, H. (1996). Kafi Zabo (Monosodium Glutamate: A Seasoning or Sickening Agent? First Edition. Network for Justice, Kaduna - Nigeria.
4. Abubakar, H. (Ed.) (1997). Towards improving Household Food Security and Nutrition in Kano State. Proceeding of the International Workshop on Food-Based Intervention for Household Food Security and Nutritional in Kano State, February 24 – 27, 1997, FAO-TCP/NIR/4555(T).
5. **Abubakar, H.** and Abubakar, S. M. (2022). Food Standards and Quality Control. In: J. O. Igene and J. O. Abu (Eds): *Fundamentals of Food Science and Technology*. Academic Publishing Centre North-Western Zone, Usmanu Danfodiyo University, Sokoto. Pp. 639 – 654. ISBN: 978-978-59773-6-3.

c) Proceedings/Abstracts/Invited Papers

1. **Abubakar, H.** (2021). Global Competitiveness in Biochemistry and Molecular Biology: Where Does Nigeria Stand? Olumbe Bassir Memorial Lecture presented at the 38th Scientific Conference and Annual General Meeting of the Nigerian Society of Biochemistry and Molecular Biology held at the Usmanu Danfodiyo University, Sokoto. 8th June, 2021.
2. Salihu, A. M., Sulaiman, S., Gadanya, A. M., Muhammad, A. S., **Abubakar, H.** and Abubakar, S. M.. (2019). Assessment of Nutritional Status, Knowledge, Attitude and Practices of Infant and Young Child Feeding in Nassarawa Local Government Area of Kano State, Nigeria. *Conference Proceedings*. 49th Scientific Conference of the Nutrition Society of Nigeria, Nigerian Air Force Conference Centre and Suites, Abuja. 10th to 13th September, 2019.
3. **Abubakar, H.** (2018). New Paradigm in Higher Education Funding: What Lessons for TETFund. An Invited Paper to Board of Trustees of TETFund.
4. **Abubakar, H.** (2018b). Achieving Global Competitiveness in Nigerian Tertiary Education Sector: Prospects and Challenges. An Invited Paper to Board of Trustees of TETFund.
5. Abubakar, S. M., **Abubakar, H.**, Salman, J. Y., Kabir, R. M., Usman, B., Musa, A. J., Musa, F. N., Markson, F. U., Musa, R. and Gadanya, A. M. (2018). Assessment of Consumer Awareness and Compliance of Producers to Food Fortification in Northern Nigeria. *Book of Abstracts*. 48th Scientific Conference of the Nutrition Society of Nigeria, Ambrose Alli University, Ekpoma.
6. **Abubakar, H.** (2017) Maternal Nutrition Education for the Improvement of Newborn and Childcare in Nigeria. Invited Keynote Presentation at the 4th Annual National Scientific Conference of the National Association of Nigeria Paediatric Nurses (NANPAN) held at the Aminu Kano Teaching Hospital, Kano – Nigeria.
7. **Abubakar, H.** (2016). Nutrition Education: A Key to Tackling the Scourge of Hidden Hunger in Nigeria. Invited Keynote Presentation at the 46th Annual Scientific Conference of the Nutrition Society of Nigeria, Benue State University, Makurdi.
8. **Abubakar, H.** (2000). “Lessons from the Present Political Dispensation”. Presented at Joint Seminar on “Leadership and Scholarship”. Organized by Muslim Froum and MSS, Bayero University, Kano Branch, Saturday, April 1, 2000, at the Theater I, Old Campus Bayero University, Kano.
9. **Abubakar, H.** (2000). “Developing Strategies for NGO/Legislature Cooperation on Legal Reform”. Presented at the Seminar on NGOs and Legislators: Partnership for legal Reform, organized by Constitutional Rights Project (CRP), at Chelsea Hotel, Abuja, May 29-June 1, 2000.
10. **Abubakar H.** (1999). “Enhancing NGOs capacity through networking”. Presented at a two-day workshop for NGOs and Journalist jointly organized by the National Human Rights Commission network for Justice and Royal Danish Embassy, at Giginya Memorial Hotel, Sokoto, December, 1 – 3, 1999.

11. **Abubakar, H.** (1999). "The Dynamic Rheological properties of Nigerian Sorghum Starch". Presented at the 18th Annual Conference of the Nigerian Institute of Food Science and Technology (NIFST), held at Hamdala, Hotel Kaduna, November 18, 1999.
12. **Abubakar, H.** (1999). "Diet Therapy for the Diabetic". An invited paper at the "Zonal Dietary formulary workshop". Of the Diabetic Association of Nigeria, Held at Aminu Kano Teaching Hospital (AKTH), June 29 – 30, 1999.
13. **Abubakar, H.** (1999). "Some aspects of Biochemistry in the service of Humanity". An invited paper at the annual week of the National Association Biochemistry students (NABS) at Faculty of Medicine Resource Center Bayero University, Kano, June 19, 1999.
14. **Abubakar, H.** (1997). "Strategies for Ensuring Effective and Affordable Health Care Delivery for Women". An invited papers by the Federal Ministry of Women Affairs and Social Development, Abuja, Presented at the Southeast Zone II, Post-Beijing Work Workshop on Good Health, Owerri, Imo State, Thursday, April 24, 1997.
15. **Abubakar, H.** (1995). "Electrophoretic profiles of Nigerian Sorghum surface Proteins". Presented at the 18th Annual Conference of the Biochemical Society of Nigeria, held at the Adebola adegunwa Audio-Visual Center, Ogun State University Teaching Hospital (OSUTH), Sagamu, November 22 – 23, 1995.
16. **Abubakar, H.** (1995). "The Physic-chemical properties of Nigerian Sorghum Sorghum Starch and its Industrial Applications". At the Symposium on Chemistry and Biotechnology for National Development, at the SHEDA Science and Technology Complex, Abuja, August 18, 1995.
17. **Abubakar, H.** (1995). "The Role of Starch Gelatinization in the Texture of Sorghum Products". Presented at the 27th Annual Conference of the Nutrition Society of Nigeria, held at the University of Agriculture, Abeokuta, Nigeria, April 5 – 8, 1995.
18. **Abubakar, H.** (1995). "Proposal for a National Food Analysis Laboratory" Presented to the Chairman, Petroleum Trust Fund (PTF), Abuja, Nigeria, June 16, 1995.

I. INTERNATIONAL CONFERENCES AND MEETINGS

- a) John Hopkins 2016; A Paper presentation at the International Conference Organized by the John Hopkins University School of Advanced International Studies U.S.A with the theme: *Assessing Strategies for Economic Reconstruction in the Northern States of Nigeria* 6th – 9th April, 2016.
- b) Global Conference on Higher Education in London UK from 22nd – 24th May, 2017.
- c) Education World Forum (EWF) 2018 at 2 Trinity Place, Midland Drive, Sutton Coldfield, B72 ITX, England between 22nd – 24th January, 2018.

- d) Going Global Conference for Education Policy Makers hosted by British Council at Kuala Lumpur, Malaysia from 2nd – 4th May, 2018 with theme: “*Global Connections, Local Impact*”.
- e) Abubakar, S. M., **Abubakar, H.**, Kurfi, B. G. and Garba, S. A (2017). Dietary pattern of type 2 diabetic patients in northern Nigeria. 10th Asian Pacific Conference on Clinical Nutrition, Adelaide Convention Centre, Adelaide, Australia.
- f) Abubakar, S. M., Sulaiman, S., Gadanya, A. M., Muhammad, A. S. and **Abubakar, H.** (2019). Assessment of Nutritional Status, Knowledge, Attitude and Practices of Infant and Young Child Feeding in Kumbotso Local Government Area of Kano State, Nigeria. *Book of Abstracts*. The 4th Conference of the Federation of African Nutrition Societies (FANUS), Lemigo Hotel, Kigali, Rwanda. 25th to 30th August, 2019.

II. IMMEDIATE PAST APPOINTMENTS AND RESPONSIBILITIES

- 1. Deputy Governor, Kano State.
- 2. Hon. Commissioner of Education, Science, Technology and Innovation, Kano State
- 3. Deputy Vice-Chancellor (Academics), Bayero University Kano.

III. ADHOC-ASSIGNMENTS

- 1. Chairman, 2015 Dr. Abdullahi Umar Ganduje Transition Committee.
- 2. Chairman State Boundary Committee.
- 3. Chairman, State Executive Council Steering Committee Kano – Lagos Economic Summit.
- 4. Chairman, Executive Council Steering Committee Lagos – Kano – Jibiya Economic Corridor World Bank Support Project.
- 5. Chairman, National Home-Grown School Feeding Implementation Committee Kano State.
- 6. Chairman, Kano State Golden Jubilee Celebrations (1967 – 2017).
- 7. Chairman, Facts Finding Committee on Ongoing and Abandoned Projects in the State.
- 8. Chairman, State Technical Committee on Agriculture.
- 9. Chairman, Implementation Committee on Disbursement of Funds to Victims of Fire Disasters in Markets across the State.
- 10. Chairman, Presidential Visitation Panel to the University of Maiduguri for the period 2010 to 2020 (2021).
- 11. Member, 2023 Engineer Abba Kabir Yusuf Transition Committee

REFEREES

1. H. E. Senator Rabi’u Musa Kwankwaso

Former Executive Governor, Kano State, Former Senator, Kano Central Senatorial Zone and Former Minister of Defense, Federal Republic of Nigeria.

Mobile Phone Number: +2348036651111

2. Professor Abubakar Adamu Rasheed, mni, MFR

Former Executive Secretary, National Universities Commission, Abuja, Nigeria and Former Vice Chancellor, Bayero University, Kano – Nigeria.

e-mail: abubakarasheed@gmail.com,

3. Emeritus Professor Musa Muhammed Borodo, FMCP

President, National Postgraduate Medical College of Nigeria (NPMCN) and Department of Medicine, Aminu Kano Teaching Hospital, Bayero University, P. M. B. 3011, Kano, Nigeria. Mobile Phone Number: +2348033268903

ZULAIHA GIDADO MUKHTAR

Key Skills

I am a highly motivated and certified Biochemist. My key strengths are strategic analysis, project management, innovative thinking, strong teamwork and excellent communication skills.

Personal Information

2016 - 2021	Firat University, Elazig, Turkey - <i>Doctor of Philosophy</i> Area of Specialization: Food & Nutrition Safety and Security /Nutrient Analysis
2008 - 2012	Bayero University, Kano - <i>Master of Science</i> Area of Specialization: Biochemical Toxicology
2006 - 2007	Bayero University, Kano - <i>Post Graduate Diploma</i> Area of Specialization: Chemistry
1999 - 2005	Bayero University, Kano - <i>Bachelor of Science</i> Area of Specialization: <i>Biochemistry</i>

Education

2016 - 2021	Firat University, Elazig, Turkey - <i>Doctor of Philosophy</i> Area of Specialization: Food & Nutrition Safety and Security /Nutrient Analysis
2008 - 2012	Bayero University, Kano - <i>Master of Science</i> Area of Specialization: Biochemical Toxicology
2006 - 2007	Bayero University, Kano - <i>Post Graduate Diploma</i> Area of Specialization: Chemistry
1999 - 2005	Bayero University, Kano - <i>Bachelor of Science</i> Area of Specialization: <i>Biochemistry</i>

Training/ Workshops

1. AI in Research workshop organised by Center for Mentorship & Career
2. Development, Kaduna State, August, 2025.
3. University of Kaduna, Nigeria
4. Trainer-in-the -loop AI training workshop organized by Commonwealth of Learning in collaboration with NBTE- 18th - 21st June, 2025.
5. Understanding Open Educational Resources (OER), Commonwealth of Learning – 11th May. 2025.
6. Cold Chain Management - WHO
7. Vaccine Stock Management – WHO

8. Planning – WHO
9. Solving Immunization Problem – WHO
10. The Role of EPI Manager - WHO
11. One -Day Workshop on promoting Nigerian youth employment through skills acquisition (NYESAF) organized by Federal Ministry of Education as part of the Innovation Development and Effectiveness in the Acquisition of Skills (IDEAS) - August 2024.
12. Training Workshop and Launch of Agricultural Research and Innovation Fellowship for Africa (ARIFA) Innovation Platforms in Nigeria, held in Abuja from the 3 rd -5 th , April, 2023
13. Two-Day Training of trainers on Digital Climate Advisory Services (DCAS) for West Africa organized by the Forum for Agricultural Research in Africa (FARA) and the Global Center on Adaptation. 9 th December, 2022.
14. Virtual 2021 P&G – Bank of Industry (BOI) SME Academy organized by Procter and Gamble and Bank of Industry – 19 th February, 2021.
15. 22 nd EMBL PhD Symposium: The Roaring 20s: A New Decade for Life Sciences 27 th -28 th November, 2020.
16. Pre- Conference online workshop on ‘ <i>Biosafety Risk Management</i> ’, organized by Faculty of Applied Sciences and Institutional Biosafety Committee, AIMST University, Malaysia. 23 rd August, 2020.

Projects

Date	Activity	Organisation
April, 2024 March, 2024 December, 2023	Vaccine Management Support Team for SIPDs campaign in the vaccine management, and reverse logistics.	UNICEF/ NPHDA
February, 2023	State Level Facilitator – 2023 Housing and Population Census	National Population Commission
October, 2019	Co-Founder – Yzed Enterprises. A business enterprise domiciled at the TIC, Kano, where we produce a variety of surfactants from different oils – a product of our research over the years. Over 30 youths and women have been trained/interned at our enterprise.	YZed Enterprises/ Technology Incubation Center, Farm Center, Kano.
November 2022	Supervised the Vaccine Audit of Dala/Fagge LGAs, Kano State.	UNICEF/ NPHDA/CSA
Feb. – Mar., 2022	Capacity gap assessment of ARIFA programs in three TETFund COEs in UniMaid, ATBU and UniJos.	FARA/TETFund
2016 – 2021	PhD research on underutilised endemic wild fruits to unveil their possible role in mitigating food and nutrition insecurity in Sub-Saharan Africa.	Firat University, Turkey
2014 – 2015	Led and facilitated a nutrition survey and assessment of primary school-aged children in Kano state, Nigeria.	Tetfund- Sponsored IBR grant

2013	Facilitated capacity training of volunteers for house-to-house community-based nutrition and health intervention and awareness campaign.	Society for Youth Awareness and Health Development (SYAHD)
2012	Led portfolio through advocacy strategies, and stakeholder meetings with underserved women on income generating activities and opportunities within their communities.	Society for Youth Awareness and Health Development (SYAHD)
2011	Master's research on the Phytochemical screening and the effect of the aqueous extract of <i>Leptadenia hastate</i> leaves on some liver and kidney enzymes in rats	Bayero University, Kano.

Related Work Experience	Date	Tasks
Principal Lecturer	August 2008 – to date	Teaching Biochemistry courses, coordinating corresponding Practical classes and supervising project students.
Assessor, Journal of Rural Technology and Entrepreneurship Development (JORTED)	December, 2024 to date	Reviewing submissions from prospective authors
Member, Tetfund Project Development Committee	January, 2023 to date	To perform oversight function of all Tetfund Projects being carried out in the Polytechnic.
Tetfund Desk Officer, Research and Innovation	January, 2023 to date	To perform oversight function of all Tetfund research and innovation submissions and projects.
Coordinator, Central Laboratories and Workshops Coordination Unit	December, 2022 to date	As the pioneer Coordinator, with the mandate to increase student practical coverage and enhance equipment utilization. I manage the seamless, sustainable activities of 19 facilities – which include a diverse range of laboratories, workshops, and ICT centers. These centralized facilities house specialized equipment used for student training, consultancy services such as JAMB exam and also serve as production units including printing jobs, engaging organisations for services such as Kano Consumer protection Council for sensitization and analysis; Dangote Cement to establish a Block makers academy; Technoserve to implement their STRYDE curriculum for young women in entrepreneurship; 3MTT, Deeptech etc

Coordinator, Departmental Entrepreneurship program	February, 2016 - January, 2017	I coordinated the training of over 300 students in various entrepreneurial skills. I was able to increase student compliance by over 20%. I made recommendations on harmonizing the training to correlate with the students 'course of study so they could capitalize and fit in the current shift towards a knowledge-based economy.
Secretary, Curriculum / New programs committee	August, 2015 - January, 2017	As secretary of the committee, I coordinated meetings and prepared reports. Our committee proposed and prepared applications for two new programs for initial accreditation by the NBTE.
Member, Part- time programs committee	June, 2015 - January, 2017	Our committee coordinated programs designed to run on a part-time basis targeted for mature and working-class students.
Sectional Head, Biochemistry Unit.	January, 2014 - January, 2017	I performed oversight function of the HND Biochemistry program including course allocation and representing the unit at Departmental and School level.
Member, Dept. Staff Development Committee	September, 2014 - January, 2017	Our committee coordinated and approved all staff development programs including training, conference attendance and study leave.
Member, Consultancy service committee	February, 2013 - January, 2017	Our committee managed and proposed income-generating projects for the Department.
Coordinator, ND I Sci. Lab. Tech.	June, 2011 - January, 2011	I performed oversight function of the ND Biochemistry program including course allocation and representing the unit at Departmental and School level.

Professional Affiliations

Member, Nigerian Society of Biochemistry and Molecular Biology (NSBMB) – 2011
Member, Nigerian Institute of Food Science and Technology (NIFST)- 2011
Member, Africa Community of Practice (CoP) on Forgotten / Underutilized Food - 2021
Member, Nutrition Society of Nigeria - 2024

Papers presented at Academic conferences (25):

1. **Mukhtar, Z.G.,** Ibrahim, Y.I., Rabi, Z and Opeyemi S. (2025). *Hibiscus sabdariffa* Extracts as Natural Alternatives for Food Preservation: A Study on Antioxidant and Antimicrobial Activities. *Nineth (9th) International Students Science Congress book of abstracts* – Izmir, Turkey, 22nd -23rd May, 2025.

2. **Mukhtar, Z.G.**, Ibrahim, Y.I., Rabi, Z. and Ismail, A. (2025). Development and Bioefficacy Evaluation of a Neem (*Azadirachta Indica*) Seed Oil-Based Insect Repellent. *Nineth (9th) International Students Science Congress book of abstracts* – Izmir, Turkey, 22nd -23rd May, 2025.
3. **Zulaiha Gidado Mukhtar**, Yusuf Ibrahim, and Zainab Rabi (2025). Synthesis and Characterization of Sweet Potato Starch-Based Bioplastic: Evaluating the Impact of Different Treatments and Plasticizers on Material Properties. *15th International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB 2025) in Bangkok, Thailand book of abstracts*, 16th – 19th January, 2025.
4. **Mukhtar, Z.G.**, Karatas, F., Ibrahim, Y., Ozer, D., Yunusa, I., Isah, A. and Saydam, S. (2024). Investigating Levels of Stress Biomarkers in Five Varieties of Eggplant Fruits for Enhanced Food Safety. Nutrition Society of Nigeria (NSN), *54th Annual General Meeting & Scientific Conference “Kano 2024 Navigating the Nutrition Frontiers: Innovative and Alternative Strategies for Sustainable Development” book of abstracts*, Kano, Nigeria - 15th – 21st September, 2024.
5. **Mukhtar, Z.G.**, Ibrahim, Y.I., Rabi, Z. and Musa B. (2024). Optimization of Production Process of Fruit Juice of African Fan Palm (*Borassus aethiopum*) and Determination of Proximate Composition and Acceptability of its Different Forms. *Eighth International Students Science Congress book of abstracts*, İzmir – Turkey, 23rd May, 2024.
6. Y.I. Ibrahim, **Zulaiha G. Mukhtar** and Z. Rabi (2023). Development of Sweet Potato Starch-Based Bioplastics Incorporating Plasticizers for Sustainable packaging In Nigeria. *National academic conference book of abstracts*. 39th Scientific Conference and Annual General Meeting of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB), ‘Maiduguri 2022’, 11th-15th June, 2023.
7. **Mukhtar, Z.G.**, Ibrahim, Y.I. and Muhammad, A. (2023). Optimization of Physicochemical Parameters in the Production of Yoghurt from Tiger Nut and Bambara Nut Milk. *Seventh International Students Science Congress book of abstracts*, İzmir – Turkey, 12th - 13th May, 2023.
8. Rabi, Z., **Mukhtar, Zulaiha. G.**, Sani Abdulkadir Firdaus, Maigari Umar Maryam, Maigari U. Fatima, Rosnani Hasham, and Zakaria Akmar, Zainul (2022). Sustainable utilization of Palm Kernel Biomass. *Trends in Basic and Applied Sciences Conference Book of Abstracts*. College of Natural and Pharmaceutical Sciences, Bayero University, Kano, Nigeria, 8th-10th February, 2022.
9. Yusuf Ibrahim, **Zulaiha G. Mukhtar**, Muhammad A Wudil, and M.K Atiku (2022). Modifying Starch Extracted from Sweet Potato by Alkaline-Alcoholic Treatment to Produce Cold-Water Soluble Potato Starch for Various Industrial Applications. *Trends in Basic and Applied Sciences Conference Book of Abstracts*. College of Natural and Pharmaceutical Sciences, Bayero University, Kano, Nigeria, 8th-10th February, 2022.
10. **Mukhtar Z.G.**, Ibrahim I, Y. and Kabara, A. (2021). "Alcoholic and Aqueous Extracted oil of *Canarium Schweinfurthii* fruit shows Antioxidant activity and Antipyretic potential in Albino rats " *International Conference Book of Abstracts*. Fourth International Eurasian Conference on Biological and Chemical Science. ‘EurasianBioChem 2021’, Turkey, 24th – 26th November, 2021.
11. **Mukhtar Z.G.**, Ibrahim I. Yusuf, Saydam S., Karataş F. and Özer D. (2020). Total Phenolic Compounds in Five Varieties of Eggplant Fruits. *UDEF, 6th International Student Symposium*, Sakarya University, Edirne, Turkey, 5th - 6th December 2020.
12. **Mukhtar Z.G.**, Ibrahim I, Y., Salihu M. and Saydam S. (2020). Antioxidant Capacity of Five Varieties of Eggplant Fruits. *Fourth International Students Science Congress book of abstracts*, İzmir – Turkey, 18th - 19th September 2020.
13. M. Salihu, S. Haruna, M. Muhammad, **Mukhtar Z.G.**, and Ibrahim I. Y. (2020). Indices of oxidative stress in experimental rats exposed to smoke of meperfluthrin-based mosquito coil insecticide. *Fourth International Students Science Congress book of abstracts*, İzmir – Turkey, 18th - 19th September 2020.
14. **Mukhtar Z.G.**, Ibrahim I, Y. and Saydam S. (2020). Carotenoid Content of Eggplant Fruits. *International Conference Book of Abstracts*. Third International Eurasian Conference on Biological and Chemical Science. ‘EurasianBioChem 2020’ in Ankara, Turkey, 19th – 20th March 2020.
15. Ibrahim I., Y. **Mukhtar Z.G.** and Karatas F. (2020). Cloves (*Syzygium aromaticum*) and Black pepper (*Piper nigrum*) contain high amounts of Resveratrol. *International Conference Book of Abstracts*. Third International Eurasian Conference on Biological and Chemical Science. ‘EurasianBioChem 2020’ in Ankara, Turkey, 19th – 20th March 2020.
16. Yunusa U., Dausayi S.D., **Mukhtar Z.G.**, Abibu W.A. and Yunusa I. (2019). Sero-prevalence of HIV and HBV infections among pregnant women attending some antenatal care services in Kano State, Nigeria. *UDEF International Student Symposium book of abstracts*, Fifth International Student Symposium, Trakya University, Edirne, Turkey, 6th - 8th December 2019.

17. **Mukhtar Z.G.**, Ibrahim I, Bilbis L.S., Jibril M., Alhassan A. J., Demirelli K., Rabi Z., Bala I. and Ozer D. (2019). Cassava-based modified starch: Potentials and prospects in industrialization and GDP growth of Nigeria. *National academic conference book of abstracts*. Thirty –Seventh Annual National Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Umaru Musa Yar’adua University, Katsina, November 4th-8th, 2019.
18. Ibrahim I, **Mukhtar Z.G** and Karatas F. (2019). Assessment of Resveratrol in some selected foods. *National academic conference book of abstracts*. Thirty- Seventh Annual National Conference of the Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Umaru Musa Yar’adua University, Katsina, November 4th-8th, 2019.
19. **Mukhtar Z.G.**, Ibrahim I. Barau, A. and Muhammad B. (2019). Optimizing Column Chromatography Conditions for Isolation of Resveratrol Using Different Column Fillers. *Third International Students Science Congress book of abstracts*, İzmir – Turkey, 3-4 May 2019.
20. Ibrahim I, **Mukhtar Z.G**, Adamu, G., Salihu M. and Muhammad B. (2019). Best Solvent System for Rapid Determination of Resveratrol Using Thin Layer. *Third International Students Science Congress book of abstracts*, 3rd_ISSC_Proceedings-2019.08.02 –EKB.pdf, İzmir – Turkey, 3-4 May 2019.
21. **Zulaiha Gidado Mukhtar**, Yusuf Ibrahim Ibrahim, Hassan T. Kabara, Adamu J. Alhassan, Isa Yunusa, Zainab Rabi, and Ahmad M. Isah (2019). *Leptadenia hastata* leaves elicit medicinal properties. *1st National conference and Exhibition in Science and Technology (SLT 2019) book of abstracts*. Kano State Polytechnic, Dept of Science Lab.Tech. 24th – 27th March 2019.
22. Yusuf Ibrahim Ibrahim and **Zulaiha Gidado Mukhtar** (2019). Polytechnics and Biochemistry as the driving force for self- reliance. *1st National conference and Exhibition in Science and Technology (SLT 2019) book of abstracts*. Kano State Polytechnic, Dept of Science Lab. Tech. 24th – 27th March 2019.
23. Ahmad, I. M., Yunusa, I., Abdullahi, S., Abba, B., Walla, H. A., Wudil, A.M., **Gidado, Z. M.**, Sharif, A.A. and Kabara, H. T. (2016). Assessment of the magnitude and impact of knowledge gap and attitude of parents towards polio immunization; Panacea to wild poliovirus (WPV) interruption. *International journal of arts and sciences (IJAS). International Conference for Social sciences and Humanities, London, UK book of proceedings*. ISSN: 1943-6114:09 (01):371-372 (2016).
24. **Gidado, Z.M.**, Ibrahim, Y., Rabi, Z., and Lawan, U. (2015). Cassava starch and starch-based products for socio-economic development. *African scholar’s publications and research international. International Academic conference book of proceedings*. P. 15-17.
25. Yunusa, I., Ibrahim, M.A., Ahmad I.M., Kabir N., **Gidado Z. M.**, Kabara H.T., and Ezeanyika L.U.S. (2014). Vitamin A status for sustainable development. Cambridge Research and Publication International. *International Academic Conference Book of Proceedings*. P. 27 – 32.

Publications (22):

Peer – reviewed Journals:

26. **Mukhtar, Z.G.**, Ibrahim, Y.I. and Aminu, F. (2025). Commercial Potential of Bambara Nut and Tiger Nut Yogurt: A Low-Cost, Lactose-Free Alternative for Sustainable Rural Enterprise. *Journal of Rural Technology and Entrepreneurship Development, JORTED*, 2(1): 2025
27. **Zulaiha Gidado Mukhtar**, Yusuf Ibrahim and Bashir Musa (2025). Indigenous Underutilized Fruits and Entrepreneurship: Exploring the Commercial Potentialities of *Borassus aethiopum*-based Fruit Products. *Journal of Rural Technology and Entrepreneurship Development, JORTED*, 2(1): 2025.
28. Yusuf, I. I., **Zulaiha, G. M.**, Muhammad, A. W., and Atiku, M.K. (2022). Extraction of Starch from Sweet Potato and its Modification to Cold Water Soluble by Alkaline-Alcoholic Treatment. Special Conference Edition, April, 2022, *Bayero Journal of Pure and Applied Sciences, BAJOPAS*, 13(1): 424 - 432 ISSN 2006 – 6996.
29. **Zulaiha Gidado Mukhtar**, Dursun Özer, Fikret Karataş, Sinan Saydam (2022). Investigation of Amino Acid Amounts in Some Eggplant Species Grown in Different Regions, Publication Information: 2022, *Journal of Iğdır University Institute of Science and Technology*. DOI: 10.21597/jist.1037958.
30. Dausayi, S.D., Yunusa, U.M., Yunusa, I., **Mukhtar, Z.G.**, Sulaiman, A.L., and Gaya, F.S. (2022). Prevalence of Hepatitis-B virus and HIV infections in Pregnant Women Receiving Antenatal Care Services, Kano – Nigeria. *Sci. Res. Comm.* (2022) Volume 2, Issue 1: DOI:10.52460/src.2022.005.

31. Kiyawa, S. A, **Mukhtar, Z. G.**, Bayero, A. S. and Ibrahim, Y. I. (2019). Antioxidant and Antipyretic activities of *Adasonia digitata* (African Baobab) fruit, leaves and bark extract. *Chemistry Journal* Vol 2 (2019) ISSN: 2581-7507.
32. **Mukhtar Z.G.**, Ibrahim Y.I., Kabara H.T., Alhassan A.J., Yunusa I., Rabi Z., and Isah A.M. (2019). *Leptadenia hastata* Leaves Elicit Medicinal Properties. *Chemrj.org/archive/volume-4-issue-4-2019*, P.53-57. ISSN:2455 -8990.
33. **Mukhtar Z.G.**, Ibrahim Y.I., Barau A., and Muhammad B. (2019). Optimizing Column Chromatography Conditions for Isolation of Resveratrol Using Different Column Fillers. *3rd International Students Science Congress book of proceedings, 3rd _ISSC _Proceedings-2019.08.02 –EKB.pdf*, İzmir – Turkey, p. 73-82. 3-4 May 2019. E-ISBN: 978-605-81050-1-0.
34. Ibrahim Y.I, **Mukhtar Z.G.**, Adamu G. and Muhammad B. (2019). Best Solvent System for Rapid Determination of Resveratrol Using Thin Layer. *3rd International Students Science Congress book of proceedings, 3rd _ISSC _Proceedings-2019.08.02 –EKB.pdf*, İzmir – Turkey, p. 82-89. 3-4 May 2019. E-ISBN: 978-605-81050-1-0.
35. **Mukhtar Z.G.**, Ibrahim M.S., Ibrahim Y.I., Karatas F. (2019). Amounts of Vitamin A, Vitamin E, Vitamin C, B-Carotene, Lycopene, Ghrelin, Glutathione, And MDA in Fruits of *Diospyros Kaki L. Gida, The Journal of Food*, (2019) 44(4) 585-592, E-ISSN 1309-6273, ISSN 1300-3070. DOI: 10.15237/gida.GD19033.
36. Ibrahim M.S., Ibrahim Y. I., **Mukhtar Z. G.**, Karatas F. (2017). Amount of Vitamin A, Vitamin E, Vitamin C, Malondialdehyde, Glutathione, Ghrelin, Beta-Carotene, Lycopene in Fruits of Hawthorn, Midland (*Crataegus laevigata*). *J Hum Nutr Food Sci*. 5(3): 1112.
37. Muhammad A.I., Yunusa I., Bolori M.T., Ezeanyika L., Walla H.A., **Mukhtar Z.G.** (2017). Malnutrition among Children under 5 Does Not Correlate with Higher Socioeconomic Status of Parents in Rural Communities. *Open Access Library Journal* 04(09):1-15DOI: 10.4236/oalib.110390, ISSN Online: 2333-9721.
38. Ahmad I. M., Yunusa I., Badayi M. Sani, Abba B., Abdullai S., Ameen Y., Illo I.I., Hassan H. Suleiman., Abubakar A.S., Abubakar Y.K., Ali N.R., Umar M.S., Haladu S. and **Mukhtar Z.G.** (2016). Impact and Cost Effectiveness Study of Harjo Intervention in Polio Eradication. *EJPMR*, 2016, 3(8), 105-110. ISSN 2394 – 3211.
39. **Mukhtar Z. G.**, Ciroma, B. A., Rabi Z., Ahmad, I.M., Ibrahim, Y. and Yunusa, I. (2016). *Cinnamomum cassia*, *Ficus carica* and *Fumaria officinalis* possesses aphrodisiac activity in male Wistar rats. *Annals of Experimental Biochemistry*. 2015, 3(3):14-17.
40. Yunusa I., Ibrahim M. A., Yakasai H. A., Ahmad I. M., Odo C. E., **Gidado Z. M.**, Rabi Z., Kabir N., Ezeanyika L. U. S. (2015). Heavy Metals in Female Adolescents. *International Journal of Public Health Research*. Vol. 3, No. 1, 2015, pp. 37-43.
41. Ahmad I. M., Yunusa I., Wudil A. M., **Gidado Z. M.**, Sharif A. A., Kabara H. T. (2015). Knowledge, Attitude, Perception and Beliefs of Parents/Care givers About Polio Immunization. *International Journal of Public Health Research*. Vol. 3, No. 5, 2015, pp. 192-199.
42. Ahmad, I.M., Wudil, A. M., Yunusa, I., **Gidado, Z. M.**, Sharif, A.A. and Kabara, H.T (2015). Oral administration of aqueous bark extract of *Vitex doniana* affects serum electrolytes levels in Albino rats. *Point J. Med. Med. Res*. 1(1): 001-005.
43. Yunusa, I., Ibrahim, M.A., Ahmad I.M., Kabir N., **Gidado Z.M.**, Kabara H.T., and Ezeanyika L.U.S. (2014). Vitamin A status for sustainable development. *Scholars Academic Journal of Biosciences*. 3(1).
44. Adamu R.T., Mukhtar M.D., Samaila A.A., **Gidado, Z.M.**, Yunusa, I., Ahmad I.M., Magaji N., Abdulkadir, R.S., and Bala, J.A., (2014). Detection of *Helicobacter pylori* in suspected peptic ulcer patients by faecal antigen test. *Journal for Med. and Med. Res*.
45. Yunusa I., Ahmad I.M., **Gidado Z.M.**, Rabi Z., Kabir, N., Kabara, H.T., Ezeanyika L.U.S. (2014). Antioxidant vitamins and body mass index in adolescents. *American Journal of Food Science and Nutrition Research*. 6(1): 60 – 65.

Books\Chapter (2)

46. **Preservative Potential of Hibiscus sabdariffa Extracts: Antioxidant and Antimicrobial Evaluation Zulaiha Gidado Mukhtar.** *Advances in Scientific Research* Editor: Prof. Dr. Mehmet ÇEVİK - ISBN: 978-625-5885-84-5
47. **Zulaiha Gidado Mukhtar**, Ibrahim, Y. I., and Muhammad, I.Y. (2016). Practical and Experimental Biochemistry, ABU Press Ltd, 1st edition. ISBN 978-978-54653-8-9.

48. Zainab Rabi, Fatima U. Maigari, Umma Lawan, and **Zulaiha Gidado Mukhtar** (2018). Pineapple Waste Utilization as a Sustainable Means of Waste Management in: Sustainable Technologies for the Management of Agricultural Wastes, eds. Zakaria, Zainul Akmar. Springer pub. eISBN (PDF): 9789811050626; Printed ISBN: 978-981-10-5061-9.
- 49.

Achievements

- Project Lead- Innovation Development and Effectiveness in the Acquisition of Skills (IDEAS) Innovation Grant Facility (IGF) for training 500 trainees in Digital skills for Federal Ministry of Education, funded by World Bank – 2024 -2025.
- Lead author for 'Practical and Experimental Biochemistry' published by ABU press, sponsored by TETfund -2016.
- Awarded the TETfund Institution-based research (IBR) grant – 2014.

Referees

- On request

YUSUF IBRAHIM IBRAHIM

Key Skills

My key strengths are strategic analysis, project management, industrial applications innovative thinking, strong teamwork and excellent communication skills.

Personal Information

Gender: Male
Date of Birth: 2 April, 1981
Place of Birth: Kano State
State of Origin: Kano State
Nationality: Nigerian
Languages spoken: Hausa (Mother tongue), English (Intermediate), Arabic (Basic)
Recent Rank & Date: **Senior** Lecturer,

Education

2018 - 2024 Bayero University Kano - *Doctor of Philosophy*
Industrial Biochemistry
2015 - 2017 Firat University, Elazig, Turkey -- *Master of Science*
Area of Specialization: Biochemistry Industrial
2004 - 2008 Bayero University, Kano - *Bachelor of Science*
Area of Specialization: *Biochemistry*

Related Work Experience	Date	Tasks
Senior Lecturer	2010 – to date	Teaching Biochemistry courses, coordinating corresponding Practical classes and supervising project students.
Member, School ARDC committee	January, 2023 to date	To coordinate and manage staff training funds

Deputy Coordinator Operations, Central Laboratories and Workshops Coordination Unit	December, 2022 to date	To perform operational function of all Laboratory management .
Secretary, ARDC committee of LS department	Jan, 2019 - Date	As secretary of the committee, I coordinated meetings and prepared reports.



Republic of Turkey

Firat University

MASTER'S DEGREE

THE GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES

YUSUF İBRAHİM İBRAHİM

Having Satisfactorily Completed All Requirements in the Department of

CHEMISTRY

Has Been Awarded the Degree of MASTER OF SCIENCE with All the Rights, Honours and Privileges

Thereunto Appertaining.


Prof. Dr. Soner ÖZGEN

DIRECTOR


Prof. Dr. Kutbeddin DEMİRDAĞ

RECTOR



DİPLOMA SAĞLAMAK İÇİN	
1	T.C. KİMLİK NO
2	KT. İZLENİMLERİ (YENİ NİHAZ)
3	AD SOY ADI
4	(NİHAZ SİGNE) İ
5	BAĞLADI
6	(FATİHESİNİN)
7	ANNE ADI
8	(AĞRIHESİNİN)
9	FAKULTE VE FAKÜLTİ
10	(DATE OF THE ACT AND BIRTH)
11	İLİ İLÇESİ
12	(CTY / TOWN)
13	DİPLOMA VERİLEN TARİHİ
14	(DİPLOMA DATE OF GRANT)
15	MEZUNİYET TARİHİ
16	(GRADUATION DATE)
17	GRADUATION NOT ORTALAMA
18	(GRADE POINT AVERAGE)
19	DİPLOMA NO
20	(DİPLOMA NUMBER)
21	ACULAMA
22	(PERSONALITY)
23	İMZA ADI
24	(SIGNATURE)

CURRICULUM VITAE

Position Title and No.	Process and Production Manager
Name of Expert:	Yusuf Muhammad Sani
Date of Birth:	26 – 08 – 1984
Country of Citizenship/Residence	Nigeria

EDUCATIONAL HISTORY

Institution Attended with Dates:

Duration	Institutions Attended	Qualification Obtained
1991-1996	Spring Nursery and Primary School kano	Primary School Certificate
1996-1999	Government Junior Sec School Sabuwar Kofa Kano	SSCE Certificate
1999-2002	Government Technical College Kano	National Technical Certificate
2003-2007	Kano State Polytechnic School of Technology, Kano Nigeria	ND Mechanical Engineering
2008 – 2010	Kano State Polytechnic School of Technology,	HND Mechanical Engineering
2015-2016	Bayero University Kano,	PGD Sci. and Tech. Education
2019-DATE	Abubakar Tafawa Balewa University Bauchi, Nigeria	M. Tech. Ed Metal Work Technology

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
Sept 2010 – to date:	Kano State Polytechnic: School of Technology, Kano i. Technologist	Nigeria	
2005 – 2006	National Population Commission Demarcator		

Feb 2011 – Feb 2012	Hope Nursery, Primary & Secondary School, Ogun, NG NYSC A National Youth Service program: Teaching		
2019 – Date	Alfatech Engineering Solutions, Kano, NG i. Project Site In charge		

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS AND PUBLICATIONS:

A. Membership in Professional Association

- i. Council for the Regulation of Engineering in Nigeria R6238ET
- ii. International Association of Engineers 320205

PROFESSIONAL CERTIFICATIONS

- Level 3 in Assessing Competence in the Work Environment (NVQ Cert.)
- Level 4 in Internal Quality Assurance of Assessment
- Professional Diploma in Data Processing and information Technology (DDPI)
- International Diploma In computing
- Leadership and teamwork
- Communication Skills

Language Skills (indicate only languages in which you can work): Hausa and English Language

Adequacy for the Assignment:

List all deliverables/tasks as in the technical proposal in which the Expert will be involved	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ul style="list-style-type: none"> • Led and supervise the design and operations, covering installation, troubleshooting, and maintenance. • Work with others to refine and update the production line. • Assess performance and provide feedback to enhance and optimize the process. • Ensure all aspects of the project follow safety protocols and industry standards. 	<p>The expert's technical experience in the field ensures he is well-qualified for the role:</p> <p>Technologist – School of Technology, Kano State Polytechnic: Gained substantial hands-on experience, supporting both practical training and technical operations in the School of Technology.</p>

<ul style="list-style-type: none">• Support the overall project team in achieving project objectives.	
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Experts contact information : (e-mail : yusufsani44@gmail.com, Phone No. : + 2 3 4 8 0 3 6 8 5 3 3 6 7)

CURRICULUM VITAE

1. Personal Information

Full Name: ENGR. MARIYA GARBA MUSTAPHA

Date of Birth: 27/7/1980

Gender: FEMALE

Nationality: NIGERIAN

Marital Status: MARRIED

Contact Address: 1213 ALFINDIKI LINK DORAYI BABBA YAMADAWA, KANO

Email: mariyamustapha6@gmail.com

Phone Number: 08035579947

2. Present Position

Current Rank/Designation: SENIOR LECTURER

Institution Name: KANO STATE POLYTECHNIC, SCHOOL OF TECHNOLOGY.

Department: ELECTRICAL/ELECTRONICS TECHNOLOGY ENGINEERING.

Years of Experience in Teaching/Research: SEVENTEEN YEARS

Employment Status: PERMANENT

3. Academic Qualifications

M ENG / ELECTRICAL ENGINEERING / BAYERO UNIVERSITY KANO / 2013

B ENG / ELECTRICAL ENGINEERING / BAYERO UNIVERSITY KANO / 2005

4. Professional Certifications/Memberships

COUNCIL FOR THE REGULATION OF ENGINEERING IN NIGERIA (COREN)

5. Teaching and Research Experience

- ASSISTANT LECTURER / SCHOOL OF TECHNOLOGY / AUG 2008 - JAN 2011 / RADIO/TELEVISION CERTIFICATE LEVEL COORDINATOR, DEPARTMENTAL SIWES COORDINATOR, ND1 LEVEL COORDINATOR, PROJECT SUPERVISION FOR ND II STUDENTS
- LECTURER III / SCHOOL OF TECHNOLOGY / JAN 2011 - SEPT 2013 / HND1 AND HNDII LEVEL COORDINATOR, LECTURING ND1, ND11 & HNDI, PROJECT SUPERVISION FOR NDII & HNDII, DEPUTY DEPARTMENTAL EXAM OFFICER, DEPARTMENTAL EXAM OFFICER

- LECTURER II / SCHOOL OF TECHNOLOGY / JAN 2014 - FEB 2017 / LECTURING HNDII, HNDI, PROJECT SUPERVISION FOR NDII & HNDII
- LECTURER I / SCHOOL OF TECHNOLOGY / FEB 2017 - SEPT 2021 / LECTURING HNDII, HNDI, PROJECT SUPERVISION FOR NDII & HNDII
- SENIOR LECTURER / SCHOOL OF TECHNOLOGY / NOV 2021 TO DATE / LECTURING HNDII, HNDI, PROJECT SUPERVISION FOR NDII & HNDII, POSTGRADUATE DIPLOMA STUDENTS

6. Publications

- ASSESSMENT OF WIND POWER POTENTIAL AT KANO STATE NIGERIA FOR EFFICIENT ENERGY UTILIZATION. Sarcouncil Journal of Applied Sciences, ISSN (online): 2945-3585, Vol. 01, Issue 07, 2022
- AN IMPROVED BERSEN ALGORITHM STEPS FOR TURKISH LICENCE PLATE NUMBER RECOGNITION USING ARTIFICIAL NEURAL NETWORK. Sarcouncil Journal of Applied Sciences, ISSN (online): 2945-3437, Vol. 02, Issue 07, 2022
- IMPROVED DESIGN COMPACT MICROSTRIP PATCH ANTENNA FOR FUTURE 5G APPLICATIONS. Int. Journal of Advanced Academic Research, Vol. 4, Issue 7, July 2018
- ANALYSIS OF LINEAR AND NON-LINEAR EFFECT OF DISPERSION IN A SINGLE MODE OPTICAL FIBER TRANSMISSION SYSTEM. Int. Journal of Advanced Academic Research, Vol. 4, Issue 6, June 2018
- UNCLUTTERED GAIN ROLL OUT IN ERBIUM DOPED FIBER AMPLIFIER. Int. Journal of Computer and Communication Engineering, Vol. 1, No. 1, pp. 64-67, 2014.

7. Conference Presentations

- CHARACTERIZATION OF OIL AND BIODIESEL PRODUCED FROM *Sesamum indicum* L. SEED. 4th National Conference, ASUP Kano State Polytechnic, 11–14 Nov 2019
- MODIFIED ELECTROMAGNETIC BAND GAP STRUCTURES FOR NOTCH BAND IN ULTRA WIDEBAND APPLICATIONS. 4th National Conference, ASUP Kano State Polytechnic, 11–14 Nov 2019
- DESIGN AND SIMULATION OF INSET GAP MICROSTRIP PATCH ANTENNA FOR WiMAX APPLICATIONS. 2nd Annual CORSET Conference, Kazaure, 24–25 Apr 2018
- SIMULATED GSM MODULE LPG DETECTION, NOTIFICATION, AND CONTROL SYSTEM. 1st Int. Conference on Innovative Academic Studies, Konya/Turkey, 10–13 Sept 2022
- PIPELINE ROBOTIC INSPECTION MONITORING SYSTEM OVERVIEW. 1st Int. Conference on Innovative Academic Studies, Konya/Turkey, 10–13 Sept 2022

8. Research Supervision

ND/HND:

- DESIGN AND INSTALLATION OF DIGITAL SECURITY SYSTEM WITH RECORDING AND VIEWING FACILITIES FOR SCHOOL OF TECHNOLOGY KANO STATE, DECEMBER 2019
- DESIGN AND CONSTRUCTION OF FINGER PRINT SCAN DOOR, NOVEMBER 2021.
- DESIGN AND CONSTRUCTION OF LATEST ARTIFICIAL EGG INCUBATOR, OCTOBER 2023.
- UPGRADE OF 33.5KV TO 10KV SOLAR SYSTEM AT ROBOTICS LABORATORY OF DEPARTMENT OF ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY, OCTOBER 2024.

9. References

- PROF. ADO DAN ISA / BAYERO UNIVERSITY KANO / 08037050304
- PROF. MUHAMMAD AJIYA / BAYERO UNIVERSITY KANO / 08139418201
- PROF. IBRAHIM TAFIDA / BAYERO UNIVERSITY KANO / 08035868653