

CURRICULUM VITAE

1. Personal Data

- (a) Surname: BADAMASI
 (b) Other names: Murtala Muhammad
 (c) Date of Birth: 11th September, 1976
 (d) Place of Birth: Kano
 (e) Nationality: Nigerian
 (f) Marital Status: Married with Four Children
 (g) Residential Address: No 356 Alh. Balarabe Chiroma Street,
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 (i) Current Employer: Bayero University, Kano

2. Qualification and Schools Attended with Dates

School Attended	Years	Certificate Obtained	Year
Gandun Nassarawa Pri. School, Kano	1982-1988	Primary Sch. Leaving Cert.	1988
Govt. Commercial Sch. Wudil, Kano	1989-1991	-	1991
Science Sec. Sch. K/Hausa, Jigawa	1991-1994	Senior Sch. Cert.	1994
College of Arts and Science, Kano	1994-1995	IJMB	1995
Bayero University, Kano	1996-1999	B.Sc Geography (2.1)	1999
Orbit Computer Institute, Makurdi, Benue	April-Sept. 2000	Diploma in Info. Technology	2000
University of Jos	2001-2004	M.Sc. Environmental Resources and Planning	2004
Usmanu Danfodiyo University, Sokoto	2007 - 2014	PhD. Geography (Remote Sensing and GIS application)	2014

3. Working Experience

- i. *N.Y.S.C.* (1999/2000) Central Bank of Nigeria (Account Officer), Makurdi, Benue State.
- ii. *Graduate Assistant* (2003-2005) Bayero University, Kano.
- iii. *Assistant Lecturer* (2005- 2008) Bayero University, Kano.
- iv. *Lecturer II* (2008- 2013) Bayero University, Kano
- v. *Lecturer I* (2013- Date) Bayero University, Kano

4. Research Projects successfully defended (Theses)

1. An Evaluation of Open Well Water Quality in Tarauni Local Government Area, Kano State. Unpublished B.Sc Dissertation, (1999), Bayero University, Kano
2. Uses of Water from the Tiga Dam, Kano State. Unpublished M.Sc thesis, (2004), University of Jos.

3. An Integrated Approach to the Assessment of Vegetation Cover Change in Falgore Game Reserve, Kano State, Nigeria, PhD thesis (2014), Usmanu Danfodiyo University, Sokoto.

5. Publications

a) Conference Papers (Unpublished)

1. **Badamasi, M. M.** (2004) An Appraisal of Irrigation Water Use in the Kano River Project Phase I (KRP I), Being a paper presented at the 46th Annual (International) Conference of Nigerian Geographical Association at Benue State University, Benue State.
2. Adamu, Y. M. and **Badamasi, M. M.** (2006) Hausaman's Knowledge of the Earth. Being a paper presented at the fifth International Conference of Hausa Language Literature and Culture. Bayero University, Kano.
3. Tanko, A. I., **Badamasi, M. M.** and Momale, S. B (2011) An Assessment of woody vegetation structure in protected versus farmed parkland: A case study in Kano Closed Settled Zone, northern Nigeria. Being a paper presented at the International conference on the Future of energy use in Nigeria's Drylands: challenges and opportunities. 12th -15th November, 2012, CDRT, Mambayya House, Bayero University, Kano

b) Articles

1. Ibrahim, M. D and **Badamasi, M. M.** (2009) Urban Development as a threat to urban agriculture in Metroplolitan Kano. In Muhammed, I., U. B. Kyiogwom. W. A. Hassan, A. L. Ala, A. Singh and S. D. Dongondaji (eds.) Sustaining Agricultural Growth to Meet National Economic Development Goal, *Proceedings of the 23rd Annual Conference of the Farm Management Association of Nigeria* held at Usmanu Danfodiyo University, Sokoto. 14th – 17th Dec., 2009. P150-160
2. **Badamasi, M. M.** and Yelwa, S. A. (2010) Change Detection and Classification of Land Cover at Falgore Game Reserve: A Preliminary Assessment. *Biological and Environmental Sciences Journal for the Tropics*, 7 (1): 75-83.
3. Yelwa, S. A., N. B. Eniolorunda, and **Badamasi, M. M.** (2010) Application of remote sensing and GIS to agricultural land encroachment analysis: A case study of Sokoto-Rima valley. *Journal of Agriculture and Environment*, 5 (1 & 2): 97-107.
4. Batyak, A. K., Lar, U. A., Dashan, T. D. and **Badamasi, M. M.** (2011) Utilization of Remote Sensing Products in Jos Metroplis. *Journal of Environmental Sciences*, 15 (2): 67-71.
5. Bello, Y., S. U. Gulumbe, S. A. Yelwa and **Badamasi, M. M.** (2012) Monitoring crime rates with control charts using GIS classifications. *Journal of Engineering and Applied Sciences*, 7 (2): 207-214.
6. **Badamasi, M. M.**, Yelwa, S. A., AbdulRahim, M. A. and Noma, S. S (2012) NDVI threshold classification and change detection of vegetation cover at the Falgore Game Reserve in Kano State, Nigeria. *Sokoto Journal of Social Sciences*. 2 (2):174-194

c) *Book Chapter*

1. A. I. Tanko and **Badamasi, M. M.** (2008) The Importance of Social Sciences. In Y. M. Adamu, M. A. Yusuf and B. A. Adepoju (eds.) *Introduction to Social Sciences*. FSMS, Kano: p39-50.
2. **Badamasi, M. M.** (2014) Vegetation and Forestry. In A. I. Tanko and S. B. Momale (eds.) *Kano: Environment, Society and Development*. Adonis and Abbey, London: p43-64.

d) *Technical Reports*

1. Geographical Study of Malaria Vector Behavior in Auyo Local Government Area of Jigawa State: A GPS Survey Report (A World Bank Sponsored Project) submitted to Malaria Control Booster Project, Ministry of Health, Jigawa State. Oct., 2009

6. Collaboration Projects

- i) *GIS and Remote Sensing Resource Person (Aug., 2014 to Dec., 2015)* Spurring Transformation in Agriculture using Remote Sensing (STAR). Being collaboration between Center for Dryland Agriculture, Bayero University, Kano and ICRISAT, India.
- ii) *GIS and Remote Sensing Resource Person (Feb., 2010 to Date)* **Integrated Watershed Mapping and Conservation Management Using Remote Sensing in North Western Nigeria**. Being collaboration between Department of Geography and National Space Research and Development Agency (NASRDA), Abuja, NIGERIA. Funded by NASRDA, Abuja
- ii) *GIS and Remote Sensing Resource Person (Sept., 2010 to Aug. 2013)* **“Urban Growth, Domestic Fuel and Sustainable Forestry in Kano-Nigeria”**. Collaboration between Department of Geography, Bayero University, Kano; University of Birmingham and Bath University, UK. Funded by DelpHE, DFID, UK

7. Courses Ever Taught

a. *Pre-Degree*

- GEO 0303 Element of General Physical Geography

b. *Under-Graduate*

- GEO 1202 Introduction to Physical Geography
- GEO 1305 Map Analysis
- GEO 2207 Laboratory Project
- GEO 2306 Introduction to Cartography & Statistical Mapping
- GEO 2208 Introduction to Geographic Information Systems
- GEO 3302 Introduction to Computer Cartography
- GEO 3303 Principles of Remote Sensing
- GEO 3205 Research Methods
- GEO 3209 Geomorphology
- GEO 3214 Introduction to Geographical Hydrology
- GEO 3315 Geographical Information System

- GEO 4333 Remote Sensing Applications
- GEO 4335 Water Resource Evaluation

c. Post-Graduate

- GEO 7242 Techniques in Rural Land Resource Survey (2006/2007)
- GEO 7212 Remote Sensing in Land Administration (2005/2006)
- GEO 7222 Land Survey & Remote Sensing (2006/07 - 08/09)
- GEO 7223 Soil, Water and Plant Analysis (2009/10 – Date)
- MLR 8301 Research Methods in Land Resources (2007/2008)
- MLR 8306 Quantitative Techniques in Land Resources (2007/2008)
- MLR 8305 Land Survey and Remote Sensing Application (2010/2011)
- MEM 8225 Water & Sanitation (2004/05 to Date)

d. Courses Thought at Usmanu Danfodiyo University Sokoto while on Study Fellowship (2009/2010 Session)

- GEO 404 Applied Cartographic Techniques (Under-graduate)
- GIS 703 Principles of Geographic Information System (Post-Grad: Masters in GIS)

8. Responsibilities

a) University

- Level Co-ordinator 2003- 2010
- Departmental Assistant Examination Officer 2003 – 2005
- Departmental Assistant Examination Officer 2008 – 2013
- Member, Faculty (SMS) Exam Malpractice Comtt. 2003 - 2005
- Member, Faculty Computer Comtt. 2004/2005 Session
- Member, Departmental Comtt. on GIS and Cartography 2007- 2011
- Member, LOC 2009 Biological Association Conference 2009 Sept. 2008- Feb., 2009
- Member, LOC West African University Games 2010 (WAUG) 2009/2010
- Member, Departmental Rep. on CIT Comtt. 2008- May 2010
- Member, Faculty (SMS) Sports Advisory Comtt. Jul., 2010- Jul., 2012
- Member, Departmental Direct Teaching and Laboratory Commtt. 2010- 2014
- Member, Land Management Committee Jul., 2011- Date
- Departmental Examinations Officer Jun., 2014- Date
- Member, Faculty (SMS) Exam Malpractice Comtt. Jun., 2014- Date

b) Non-University

- Member, Steering committee of Waste Management, Refuse Management and Sanitation Board (REMASAB) Aug. 2007 – Nov. 2009
- Vice Chairman, Association of Nigerian Geographers (ANG) North West Zone June 2009-Date
- Financial Secretary, German Alumni Association of Nigeria

9. Award and Honours Received

- Best J.S.S Two Student in Mathematics, Agricultural Science and Hausa Language (1990): Government Secondary Commercial School, Wudil-Kano State
- Kano State Government of Nigeria Award of Undergraduate Scholarship 1995 – 1999 to study Geography leading to B.Sc. qualification in the Bayero University Kano.
- Best Graduating Geography Student (1999), Bayero University Kano.
- Federal Republic of Nigeria Award of Post-graduate Scholarship 2001 – 2002 to study Environmental Resources and Planning leading to M.Sc. qualification in the Geography Department, University of Jos- Plateau State, Nigeria.
- Certificate of Honour for *Most Hardworking Staff* (2004/2005 academic session) by National Association of Geography Students, Bayero University Kano Chapter
- Ph.D Fellowship, Bayero University, Kano (2007)
- Bayero University Kano Research Grant 2007/'08/URC/01 for the purpose of Ph.D. Research Supplement.
- Letter of commendation on successful handling of first semester examinations (2013/2014 academic session) as the Examinations officer by the Department of Geography, Bayero University, Kano

10. Membership of Association

- African Association for Remote Sensing of the Environment (AARSE) Member
- Association of Nigerian Geographers (ANG) Member
- Association of American Geographers (AAG) ID 90043629 Member
- Earth Information System (EIS) Africa Member
- Geoinformation Society of Nigeria (GEOSON) Member
- Waste Management Society of Nigeria (WAMASON) Member/State Secretary.
- Member, German Alumni Association of Nigeria

11. Workshops and Conferences Attended

- i) Insurance Agency Seminar for Unemployed Graduates. NAICOM. 3rd April, 2003, Daula Hotel, Kano.
- ii) 46th Annual Conference of the Association of Nigerian Geographers (ANG) held at the Department of Geography, Benue State University, Makurdi. 2003
- iii) Workshop on Qualitative Research Using Social Mapping, Transect Work, In-depth interviews and Focus Group Discussion by PATHS. July 26- 28, 2004.
- iv) Satellite Remote Sensing (Nigeria Sat-1) and GIS: A Solution to Sustainable National Development Challenges organized by NASRDA, Abuja. 15th – 17th June, 2004, Le Meridien Hotel, Abuja.
- v) 47th Annual Conference of the Association of Nigerian Geographers (ANG) held at the Department of Geography, University of Port Harcourt, Rivers State. 2004.
- vi) 2nd National Workshop on Principles of GIS and Applications, held at the Auditorium, Federal School of Surveying, Oyo, Oyo State. 26th- 30th June, 2006.
- vii) Remote Sensing and Geographic Information Systems Applications, National Centre for Remote Sensing, Jos, Plateau State. 1st – 19th August, 2006.

- viii) Capacity Building on the Use of Landsat Datasets for Sustainable Management in Africa, ARCSSTE-E (Affiliated to United Nation), OAU, Ife. September 11th - 13th 2007
- ix) 49th Annual Conference of the Association of Nigerian Geographers (ANG) held at the Department of Geography, University of Abuja, 15th – 19th October, 2007.
- x) AARSE2008 pre-conference workshop: Global Earth Observation System of Systems (GEOSS) Workshop XXIV *Water Security and Governance in Africa*. In collaboration with IEEE, ITC, NASA, AARSE, 52north, OGCii, isprs and University of Johannesburg at Alisa hotel, Accra, Ghana, 24th – 26th October, 2008.
- xi) 7th African Association for Remote Sensing of the Environment (AARSE) International Conference, *Earth Observation and Geo-Information for Governance in Africa*, held at Accra International Conference Centre, Accra, Ghana, 27th – 31st October, 2008.
- xii) One Day International Workshop on *The Hydrocarbon Potential of The Sokoto and Bida Basins*, Centre for Energy Research, Usmanu Danfodiyo University, Sokoto, on 30th April 2009
- xiii) 2nd Regional Interdisciplinary Alumni Conference hosting the 13th International Business Forum, *Global Crises-African Challenges*, held at Palm Beach Hotel, Accra, Ghana, 4th-17th November, 2009.
- xiv) Workshop on *Use of Statistics and Statistical Software in Agricultural Research for Development*, Center for Dryland Agriculture, Bayero University, 17th -21st February, 2014.
- xv) Workshop on *Practical Training Course in Terrain Analysis using ArcGIS*, National Center for Remote Sensing, Jos, under supervision of National Space Research and Development Agency, Abuja-Nigeria. 24th- 28th February, 2014.

12. Consultancy Engagements

- i. *Research Assistant* (17th – 24th Nov., 2003) Study of Erosional Blight in Dawakin Kudu Local Government Area of Kano State, for Inter-Tropical Consultants Limited, Kano.
- ii. *Research Assistant* (July-August, 2004) Study of Community and Systematic Factors Affecting Uptake of Immunisation in Nigeria, PATHS
- iii. *Research Assistant* (8th April- 2nd June, 2005) Research into Evidence of Climate Change in Nigeria for Ecological Funds, for Energy Research Centre, Minna.
- iv. *Consultant* (October, 2006) “*HIV/AIDS Leaflets Pre-test*”: In depth Interview. Report submitted to the John Hopkins University, Centre for Reproductive Communications Programs, Kano Office.
- v. *Consultant* (November 2006) “*HIV/AIDS*”: Focus Group Discussion. Report submitted to the John Hopkins University, Centre for Reproductive Communications Programs, Kano Office.
- vi. *Consultant* (Dec., 2006 to Jan., 2007) “*Pre-test of Radio Program*”: Focus Group Discussion. Report submitted to the John Hopkins University, Centre for Reproductive Communications Programs, Kano Office.
- vii. *Consultant* (Oct., - Nov., 2007) A Study of the Ecological Problems in Jigawa State, for Woodhill Engineering Limited, Kano.

- viii. *Research Assistant* (Nov., 2007 - Feb., 2008) Feasibility Survey for the Design of School Bus Scheme, Sokoto State Government, for Link Development and Transport Consultants Limited, Kaduna.
- ix. *Technical Assistant* (Jan., 2008) Baseline Study for Kano State Transportation Master Plan, for Woodhill Engineering Limited, Kano.
- x. *Consultant* (Feb.-Dec., 2008) Development of Spatial Database for Katsina State Local Empowerment and Environmental Management Project (LEEMP).
- xi. *Environmental Engineer* (Mar., 2008) "Environmental Impact Assessment (EIA) of Bunza Water Supply Treatment Plant in Kebbi State", for Inter-Tropical Consultants Limited, Kano.
- xii. *Technical Assistant* (July-Nov., 2008) Development of Atlas Map of Government Offices in Kano State for Woodhill Engineering Limited, Kano.
- xiii. *Zonal Coordinator (North West-Nigeria)*(Sept.-Oct., 2008) National Geospatial Data Infrastructure (NDGI) Survey Questionnaire, for National Space Research and Development Agency (NASRDA), Abuja.
- xiv. *Resource Person*: Second Training Session of the Environmental Management Capacity Building the Nigerian Mining Sector (EMCBP-NMS) Programme on Detailed EIA processes (Screening, Scoping, Monitoring and Community Consultation). Organized by Mines Environment Compliance Department of the Ministry of Mines and Steel Development in collaboration with the World Bank held at Chida International Hotel, Abuja, 11th -15th May, 2009. Papers presented are:
 - a. Using EIA to add value to project planning
 - b. Data collection (field exercise) at mining/quarry site for Environmental Management Plan (EMP)
 - c. Mitigation and Impact management
 - d. Modeling in EIA Studies
- xv. *Resource Person*: Third Training Session of the Environmental Management Capacity Building for the Nigerian Mining Sector (EMCBP-NMS) Programme on Mitigation Measures for Mining Sector, Remediation of Abandoned Mines, Decommissioning/Closure of Mines and Sectoral/Strategic Environmental Assessment. Organized by Mines Environment Compliance Department of the Ministry of Mines and Steel Development in collaboration with the World Bank held at The Maybach Hotel, Enugu, 26th -31st July, 2009. Papers presented are:
 - a. Decommissioning/Closure of Mines- Policies
 - b. Practices for the Reclamation of abandoned mines, Case studies of Kano, Jos and Lagos.
 - c. Data collection (field exercise) on Mitigation measures for Coal mining. (Co-presented with Prof. Akeredolu, F.)
- xvi. *Global Positioning System (GPS) Consultant* (20th Aug., 2009 to) Mapping Malaria Prone Areas in Auyo Local Government Area of Jigawa State, for Roll Back Malaria Project- World Bank Assisted Programme, Nigeria
- xvii. *Global Positioning System (GPS) Consultant* (29th – 31st Aug., 2009) Mapping Malaria Prone Areas in Ringim Local Government Area of Jigawa State, for Private American Investor on Malaria Larviciding Pilot Project.

- xviii. *Facilitator* (Aug., 2007 to Nov., 2009) Application of Theory of Constrain to Kano State Solid Waste Management in collaboration with Inwent, Germany. UN-Habitat Sustainable Urban Development Programme.
- xix. *Consultant* (Oct. – Nov., 2009) Land Holding Survey for Magaga and Tomas Irrigation Schemes (As part of Suitability Assessment for Rice Production in Kano) for MADITECH, Malaysia.
- xx. *Consultant* (28th January and 8th March, 2010) Identification of Intervention Areas and Selection of High Priority Rural Roads in Jigawa State for Amal Engineering Services Ltd on behalf of the Federal Ministry of Agriculture and Water Resources, Abuja.
- xxi. *Resource Person* (Jan., 2010) Training of Staff from Kamadugu-Yobe River Basin Development Authority (KYBDA): Spatial Database Creation and Management for Water Resources Using ArcView 3.2a software, Department of Geography, Bayero University, Kano
- xxii. *GIS/Database Consultant* (March, 2014 to Date) Effective City Development: Establishment of City Development Office and Staff Training on GIS at Kano State Urban Planning and development Authority (KNUPDA), for Urban Spatial Infrastructure Management on behalf of Nigeria Infrastructure Advisory Facility (NIAF), Abuja, Funded by DFID.

13. Software Exposed to

- ArcView GIS 3.2a
- Arc GIS 9.2; 9.3 and 10 series
- ENVI 4.5, 4.7
- ERDAS Imagine 9.1
- IDRISI (17.0 Selva versions)
- ILWIS (3.7)
- MVSP (3.22)
- SPIRITS (NDVI Time Series Analysis)
- Office Packages (2013) including Microsoft Access
- Statistical Package for Social Science (SPSS) (version 20)
- JMULTI,
- Stat-graphic
- Minitab 16
- R statistical software (average skill)

14. Interest

- Geographical Information System and Remote Sensing applications; Natural and Water Resource Management; Environmental Modeling and Impact Assessment; Landscape Ecology; Climate change and Ecohydrology; Waste Management.

15. Key qualifications for the Current Position: Monitoring and Evaluation; Field Work Coordination and Facilitation; Spatial Database Development; Application of Remote Sensing and GIS in Population and Census taking.

16. Travels

Country	Reason	Date from - Date to
Ghana (Accra)	Academic Conference (African Association for Remote Sensing of the Environment (AARSE))	2008
Ghana (Accra)	World Business Forum	2009
United Kingdom(London, Bath, Birmingham)	DelPHE Academic Linkage	2012
Saudi Arabia (Makka, Madina, Jedda)	Lesser Hajj	2012

17. Referees

1. M. A. Liman

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2. Dr. J. Afolabi Falola

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3. Dr. A. I. Tanko (FRGS)

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