

Name: **FANAN UJOH**

Nationality: Nigerian Date of Birth: 13.02.1976

Qualifications:

- B.Sc. (Geography), University of Abuja, Nigeria, 2005
- M.Sc. (Environmental Resources Planning), University of Abuja, Nigeria, 2009
- Ph.D. (Environmental Resources Planning), University of Abuja, Nigeria, 2014.

Marital Status: Married with 3 children

Languages: Tiv; English; Hausa

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Key qualifications

Fanan holds a Doctorate Degree in Environmental Resources Planning. His research interest is in the application of Remote Sensing and GIS to resolving environmental issues such as; urban agriculture, LU/LC change detection, environmental audit, urban sprawl, and sustainable development, and pockets of research in national/regional conflict and security. He has co-authored over 30 research articles and conference papers and has attended several local and international conferences where he made presentations on key contemporary environmental issues prevalent in Nigeria. His research experience includes several field projects in different parts of Nigeria, within the public and mostly private sector. He was part of the secretariat of Bureau of Public Enterprise's Evaluation Team for Rural Telephony Bids in November/December 2008. He was also a team member that prepared Bids for 3 Consortia for the acquisition of Electricity Distribution & Electricity Generation Companies in Nigeria's Power Sector privatization. Fanan is currently the Director of Research at Urban BASE Consulting and an Environmental Impact Advisor at Nigeria Infrastructure Advisory Facility (a DFID-Funded Programme implemented by Adam Smith International) where he has risen to the position of a Lead Consultant/Team Leader. He has worked on several projects ranging from dams with HEP potentials, roads and bridges, to municipal solid waste management audit, establishment of City Development Database System and green/sustainable urban planning. Fanan also lectures at the Urban & Regional Planning Department, Benue State University, Makurdi, and is a member of the Editorial Board of the *International Journal of Tropical Remote Sensing*, domiciled at the International Institute of Geospatial Science and Technology (INSTeG), Universiti Teknologi Malaysia (<http://www.utm.my/insteg/>).

Employment history

Jun/2013 – date	Lecturer I, Department of Urban & Regional Planning, Benue State University, Makurdi, Nigeria
Feb/2013 – date	Director of Research, Urban BASE Consulting, Abuja, Nigeria
Jan/2013 – date	Environmental Impact Advisor (Lead Consultant/Project Manager, Enugu/Kaduna States) NIAF, Nigeria
July/2011 – Dec/2012	Environmental & Social Impact Adviser, NIAF, Nigeria
Oct/2010 – Jan/2013	Research Associate, Urban BASE Consulting, Nigeria
2010	Field Supervisor, MDZ Multimedia Ltd, Nigeria
2006 – 2009	Independent Research
2004 – 2005	Senior Legislative Aide, National Assembly, Nigeria

Experience

NIGERIA: Urban & Regional Planning Dept., Benue State University 2013 -Date

Fanan is assigned Environmental Planning and Project Management Courses at the Postgraduate Diploma and Masters (in Urban and Regional Planning) levels. He also supervises several M.URP dissertations.

NIGERIA: BGL PLC/Urban BASE Consulting 2013

Fanan is Lead Consultant for the Environmental & Social Impact Assessment (ESIA) Scoping Study at the National Arts Theatre, Iganmu, Lagos in the on-going Concession exercise of the facility.

NIGERIA: Nigeria infrastructure advisory facility (NIAF) 2012 - Date

Fanan is Lead Consultant/Project Manager on the NIAF-assisted Kaduna State Government Waste to Wealth Programme for Kaduna Metropolis; and the Enugu City Development Database System Establishment Project. The projects commenced October 2012 and are to be delivered by December 2013.

NIGERIA: Nigeria Power Sector Privatization 2011 - 2013

Technical Bid preparation for the Acquisition of **Kaduna Electricity Distribution PLC** on behalf of **Daniel Power Plants Company Nig. Ltd.**

Technical Bid preparation for the Acquisition of **Oyan Dam** and **Ikere Gorge Dam** on behalf of **Cartlark Int'l Nig. Ltd.**

Technical Bid preparation for the Acquisition of **Ikeja Electricity Distribution PLC** on behalf of **Daniel Power Plants Company Nig. Ltd.**

Successful Technical Bidding for the Acquisition of **Sapele Power PLC** on behalf of **CMEC/Eurafric Energy Ltd.**

NIGERIA: Nigeria infrastructure advisory facility (NIAF) 2011 – 2012

The Critical Infrastructure Delivery Framework (CIDF) / Nigeria Infrastructure Advisory Facility (NIAF) focuses on “increased access to improved, reliable and affordable infrastructure services in Nigeria”. Fanan’s contributions (which are Rapid Social and Environmental Appraisals) are expected to provide the basis for understanding the extent to which project interventions disaggregate socio-cultural, livelihood and environmental components of rural and urban communities. During the 1st Phase of NIAF, Fanan carried out environmental impact appraisals on the physical environment of host communities for existing and proposed dams with hydro-power potentials, roads and proposed bridges projects across the Niger and Benue Rivers in Nigeria. In the ongoing 2nd Phase of NIAF, Fanan has worked on Rapid Environmental Appraisal of *Solid Wastes Management* and *Urban Green Spaces* for the Enugu City CBD Establishment Programme Support Project, an advisory support provided by NIAF2 for Enugu Capital Territory Development Agency (ECTDA), and Solid Waste Management Audit of Kaduna Metropolis.

NIGERIA: General elections observation

Fanan was Head of Research for the April 2011 General Elections Observation Team in Delta State under the auspices of **Stakeholder Democracy Network**, Nigeria. He was responsible for visiting election polling units in 6 local government areas of the State from where he filed a written report on the status of elections in Delta State, Nigeria.

NIGERIA: RivREP Feasibility Framework for RAREP

Rivers State Renewable Energy Programme (RivREP) was designed to take advantage of the World Bank’s Rural Access to Renewable Energy Programme (RAREP) policy to develop renewable energy sources in rural Rivers where the national grid access is a huge challenge. Fanan served as the head of field data collection and analysis as well as contributing to the final report which is expected to provide a feasibility framework for RE in rural communities of Rivers State. He worked on the project from October 2010 to February 2011.

NIGERIA: Owerri City Guide Project

The Office of the Surveyor General of the Federation (OSGOF) commissioned MDZ Multimedia Ltd to produce the Owerri City Street Guide. The last of such project was carried out in 1988. As Field Supervisor, Fanan was responsible for carrying out street-to-street ground truth exercise of the city using hand-held GPS device. His assignment ensured that satellite data was validated or otherwise replaced to develop an accurate City Guide for Owerri City in June 2010.

NIGERIA: Mapping electoral polling units in AMAC, Abuja

MDZ Multimedia was commissioned by the Independent National Electoral Commission (INEC) to map electoral polling units within the Abuja Municipal Area Council (AMAC) using Remote Sensing data, GIS & GPS. Fanan was a field team leader in this process. The project was carried out in March 2010 and submitted to INEC Cartographic Unit, headquarters, Abuja.

NIGERIA: Legislative duty, National Assembly, Abuja

Fanan served as a Senior Legislative Aide/Personal Assistant to the Chairman, sub-committee on Area Councils under the House Committee on FCT. His schedule included the day-to-day running of office, official correspondence, Liaison with

Constituency Political Leaders, research & input in on-going House Bills, etc. He served in this capacity between July 2004 and May 2005.

NIGERIA: National Service, GDSS, Marama, Borno State

Fanan taught and prepared Senior Secondary School students for their final WASSCE examinations in Geography. He worked in this capacity for 1 year between February 14, 2006 and February 13 2007.

Publications

Journal articles

Ujoh, F. Ifatimehin, O.O. & Kwabe I.D. (2014) "Estimating Plume Emission Rate and Dispersion Pattern from a Cement Plant at Yandev, Central Nigeria". *Resources and Environment* Vol. 4, No. 1

Ujoh, F. and Ifatimehin, O.O. (2014) "Globalization and Governance: Impact on Environmental Sustainability in Nigeria's Niger Delta Region". *International Journal of Economy, Management and Social Sciences* (article under review)

Ujoh, F., & Alhassan, M.M. (2014) "Oxides and Heavy Metals Concentration in Soils around a Cement Plant in Central Nigeria". *International Journal of Plant and Soil Science* (article under review).

Ujoh, F., & Alhassan, M.M. (2014) "Assessment of Pollutants in Streams around a Cement Plant in Central Nigeria". *International Journal of Science and Technology* Vol. 4, No. 1

Ujoh, F. (2014) "Population Growth and Land Resource Conflicts in Tivland, Nigeria". *Resources and Environment* Vol. 4, No. 1

Ujoh, F.T. & **Ujoh, F.** (2014) "Effects of Different Tillage Operations on Rice Yield at Yandev, Central Nigeria". *Journal of the Technical Institute of Dadaab* (Article accepted for publication)

Ifatimehin, O.O. & **Ujoh, F.** (2014) "Application of Remotely-sensed Data for Modelling Malaria Infection in Lokoja, Nigeria". *International Journal of Tropical Diseases & Health*, (Article under review)

Ifatimehin, O.O., **Ujoh, F.** & Eneche, P.U. (2014) "The Attributes of Topographic Mapping of a Fast Urbanizing Area in Nigeria, Using Geospatial Technology" *Journal of Scientific Research and Reports* Vol. 3, No. 1, pp. 170-184. Available at: <http://www.sciencedomain.org/issue.php?iid=290&id=22>

Aku, D. & **Ujoh, F.** (2013) "Environmental Degradation and Nigeria's National Security: Options for A Sustainable Future". *Africa Peace Review* Vol. 11&12, No. 1, pp. 41-57

Adamgbe, E.M. & **Ujoh, F.** (2013) "Effect of Variability in Rainfall Characteristics on Maize Yield in Gboko, Nigeria". *Journal of Environmental Protection* Vol. 4, No. 9, pp. 881-887. Available online at: <http://www.scirp.org/journal/JEP/>

Adamgbe, E.M. & **Ujoh, F.** (2012). "Variations in Climatic Parameters and Food Crop Yields: Implications on Food Security in Benue State, Nigeria". *Confluence Journal of*

Environmental Studies, Kogi State University, Anyigba, Vol. 7, pp. 59-67. Available online at: (<http://www.journalhome.com/cjes/>)

Adefioye, S.A. & **Ujoh, F.** (2012) "Geospatial Analysis of Wetlands Areas in Ile-Ife, Nigeria: Imperative for Sustainable Urbanization". *Nigeria Geographical Journal* Vol. 8, No. 1, pp. 56-69

Ifatimehin, O.O., **Ujoh, F.** & Omale, J.S. (2012) "Remote Sensing and GIS for Assessing the Effect of Landuse/Landcover Changes in Anyigba, Nigeria". *Nasarawa State University Journal of Science & Technology* Vol. 2, No. 1, pp. 53-65

Ujoh, F., Ifatimehin, O.O., & Ajigah, F.O. (2012) "The Paradox of Extreme Underdevelopment amidst Immense Wealth: Absence of Basic Infrastructure in Ogoniland, Nigeria". *Journal of Social Sciences, Delta State University, Abraka*. Vol. 7, No. 2, pp. 65-78

Alhassan, M.M., & **Ujoh, F.** (2012) "An Assessment of the Chemical Quality of Potable Water Sources in Abuja, Nigeria". *British Journal of Applied Science and Technology* Vol. 2, No. 2, pp. 146-172. Available online at: (<http://www.sciencedomain.org/issue.php?iid=115&id=5>)

Ujoh, F., Ikyernum, J. & Ifatimehin, O.O. (2012). "Socio-Environmental Considerations at the Usuma Reservoir in Abuja, Nigeria". *Frontiers in Science*, Vol. 2, No. 6, pp. 169-174. Available online at: (<http://article.sapub.org/10.5923.j.fs.20120206.06.html>)

Ujoh, F., & Ifatimehin, O.O. (2011) "Incidence of Malaria at Reservoir Sites: Lessons from the Lower Usuma Reservoir, Abuja-FCT". *African Journal of Modern Society*, Vol. 2, No. 2, pp. 34-44

Alhassan, M.M., & **Ujoh, F.** (2011) "An Assessment of Ground Water Quality for Drinking from Hand-Dug Wells in Masaka, Nigeria". *Bayero University Journal of Social and Management Studies* Vol. 14, No. 1, pp. 79-95

Ujoh, F. & Yanet, A.M. (2011) "A Framework for Understanding the Tiv-Jukun Land Conflict: Towards Sustainable Peace in Nigeria". *Africa Peace Review* Vol. 10, No. 2, pp. 73-86

Aku, D. & **Ujoh, F.** (2011) "Implications of Democratic Upheavals in Cote d'Ivoire and Nigeria's Interference: An Analysis". *International Journal of Modern Political Economy*, Vol. 2, No. 2, pp. 54-73

Ujoh, F., Ifatimehin, O.O. & Kwabe, I.D. (2011) "Urban Expansion and Vegetal Cover Loss in and around Nigeria's Federal Capital City" *Journal of Ecology and Natural Environment*, Vol. 3, No. 1, pp. 1-10. Available online at: (<http://www.academicjournals.org/jene/PDF/Pdf2011/Jan/Fanan%20et%20al.pdf>)

Ujoh, F., Ifatimehin, O.O. & Baba, A.N. (2011). "Detecting Changes in the Landuse/cover of Umuahia, South-Eastern Nigeria Using Remote Sensing and GIS Techniques". *Confluence Journal of Environmental Studies*, Kogi State University, Anyigba) Vol. 6, pp. 72-80 Available online at: (<http://www.journalhome.com/cjes/259682/volume-6-2011.html>)

Ifatimehin, O.O., Kolawole, M.S. & **Ujoh, F.** (2010) "An Integrated Approach to Watershed Resources Conservation in the Upper Niger River Basin, Nigeria". *The Cardinal Point*, Vol. 2, No. 1, pp. 48-55

Ifatimehin, O.O., Ishaya, S. & **Ujoh, F.** (2010) "An Analysis of Temperature Variations Using Remote Sensing Approach in Lokoja Area". *Production Agriculture and Technology Journal*, Vol. 6, No. 2, pp. 35-44

Ujoh, F., Ifatimehin, O.O. & Jenkwe, E.D. (2010). "Spatio-Temporal Changes in Landuse Pattern and its Impact on Urban Agriculture: The Case of Makurdi, Nigeria". *International Journal of Agriculture and Rural Development*, Vol. 1, No. 3, pp. 113-123

Ujoh, F., Kwabe, I.D. & Ifatimehin, O.O. (2010) "Understanding Urban Sprawl in the Federal Capital City: Towards Sustainable Urbanization in Nigeria". *Journal of Geography and Regional Planning*, Vol. 3, No. 5, pp. 106-113. Available online at: (<http://www.academicjournals.org/jgrp/PDF/pdf2010/May/Ujoh%20et%20al.pdf>)

Ujoh, F., Jenkwe, E.D. & Kwabe, I.D. (2010) "Occupational Dislocation and Poverty Levels among the Usuma Dam Communities, Abuja-FCT". *International Journal of Agriculture and Rural Development*, Vol. 1, No. 2, pp. 108-114

Ujoh, F., Ifatimehin, O.O. & Jenkwe, E. (2009) "Analysis of the Spatial Diffusion of Post-Primary Schools in Benue State, 1915-2002". *Journal of Technology and Education in Nigeria*, Vol. 13, Nos. 1& 2, pp. 1-11

Ujoh, F., Ifatimehin, O.O. & Alaci, D. (2009) "Remote Sensing & GIS for Estimating Slum Expansion on the North-Eastern Fringes of Abuja, Nigeria". *Journal of African Development Studies*, Vol. 2, No. 2, pp. 13-21

Ifatimehin, O.O., **Ujoh, F.** & Magaji, J.Y. (2009) "A Geoinformatic Approach in the Evaluation of Landuse/cover Change and its Impact on Surface Temperature in Lokoja Town, Nigeria" *African Journal of Environmental Science and Technology (AJEST)* Vol. 3, No. 3, pp. 086-090. Available online at: (<http://academicjournals.org/AJEST/PDF/pdf%202009/Mar/Oluseyi%20et%20al.pdf>)

Matinja, S.L. & **Ujoh, F.** (2009) "Sustainable Small-Scale Industrialization: A Tool and Stimulant for Nigeria's Economic Development?" *Journal of Social and Policy Issues*, Vol. 6, No. 2, pp. 52-55

Keynote Presentation

Ujoh, F. (2013). "A Multi-Temporal Digital Earth Approach for Monitoring Natural Resources in Sub-Saharan Africa, Illustrated by Means of Selected Case Studies: A Sustainability Discourse". *Keynote Speech, 8th International Symposium on Digital Earth, Kuching, Sarawak, Malaysia*. 26 – 29 August 2013. Keynote speakers' page available online at: (<http://isde2013kuching.com/speakers.php>)

Conference papers

Ujoh, F., & Kwabe, I.D. (2013) "Modelling Plume Dispersion Pattern from a Point Source Using Spatial Auto-correlational Analysis". *Conference Paper, 8th International Symposium on Digital Earth, Kuching, Sarawak, Malaysia*. 26 – 29 August, 2013.

Ujoh, F., & Kwabe, I.D. (2013) "Rapid Appraisals of Solid Waste Management Status of Enugu Metropolitan Area, Nigeria". *Conference Paper, 19th International Interdisciplinary Conference on Environment (IICE), Portland, USA.* June 14 – 17, 2013.

Ifatimehin, O.O. & **Ujoh, F.** (2013) "The Correlates of NDVI, Surface Temperature and Urban Landscape Change in Estimating Incidences of Malaria Infection in a Part of Nigeria". *Conference Paper, 35th International Symposium of Remote Sensing of the Environment (ISRSE35), Beijing, China.* October 22 - 26, 2013. Available online at: (<http://www.isrse35.org/noview/56.html>)

Ujoh, F., & Kwabe, I.D. (2012) "Rapid Appraisals of Urban Green Spaces in Enugu Metropolis, Nigeria". *Conference Paper, 18th International Interdisciplinary Conference on Environment (IICE), Portland, USA.* June 30 – July 3, 2012.

Ujoh, F., Ifatimehin, O.O. & Kwabe, I.D. (2010) "The Military Invasion of Zaki-Biam: Implication on Nigeria's Security". *Book of Abstracts, 51ST Annual Conference of the Association of Nigerian Geographers, Kogi State University, Anyigba, Nigeria.* March 7-11

Mashi, S.A. & **Ujoh, F.** (2009) "Estimating Urban Agricultural Land Loss in Makurdi, Nigeria Using Remote Sensing and GIS Techniques". *Conference Paper, 6th International Symposium on Digital Earth, Beijing, China.* September 9-12, 2009. Available online at: (<http://news.digitalearth-isde.org/isde6index.pdf>)

Ujoh, F., Ifatimehin, O.O., Agoha, S.C. & Magaji, J.Y. (2009) "Geoinformatics: An Environmental-Friendly Tool for Developing Environmental Education in Nigeria". *Conference Paper, 11th Annual Conference of the National Association for the Advancement of Knowledge, Nnamdi Azikiwe University, Awka, Nigeria.* 9-13 March, 2009.

Completed research (awaiting publication)

Ujoh, F. & Alhassan, M.M. "Multi-Temporal Change Detection at a Limestone Mining and Cement Production Facility in a part of Nigeria"

Ujoh, F. & Kwabe, I.D. (2013). "Spatial Injustice in the Distribution of Health Facilities in Benue State, Nigeria".

Research in progress

Ujoh, F. & Ifatimehin, O.O. "Geo-spatial Distribution of Hotels in Owerri City, Eastern Nigeria"

Ujoh, F., Ifatimehin, J. and Kwabe I.D. "Assessment of Medical Waste Management Practices in Makurdi Metropolis, Nigeria".

Ebohon, J.E., Gusah, S. and **Ujoh, F.** "Awareness and Perception of Renewable Energy Delivery to Rural Nigeria: Evidence from Rural Communities in Rivers State".

Academic degrees research works

Ujoh, F. (2014). "An Assessment of the Environmental Impact of Limestone Mining and Cement Production at Yandev, Nigeria". *Ph.D. Research Thesis, Department of Geography and Environmental Management, University of Abuja, Nigeria*

Ujoh, F. (2009). "Estimating Urban Agricultural Land Loss in Makurdi, Nigeria Using Remote Sensing and GIS Techniques". *MSc. Dissertation, Department of Geography and Environmental Management, University of Abuja, Nigeria*

Ujoh, F. (2005). "Spatial Distribution of Post-Primary Schools in Benue State". *BSc. Project, Department of Geography and Environmental Management, University of Abuja, Nigeria*

Professional Training

1st International Training Workshop on Disaster Mitigation in Developing Countries, Sanya, organised by CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation (SDIM) and hosted by Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences, China; November 2013.

Workshop on the Practical Use of GIS Software for Mapping, National Space Research and Development Agency (NASRDA), Abuja, Nigeria; February, 2008.

Membership

Member, International Society of Digital Earth (ISDE), Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences (CAS).

Member, Research and Development Network, International Research and Development Institute, Nigeria.

Referees

1. Academic Referee

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2. Employer Referee

Prof. Timothy T. Gyuse (Departmental Head)
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3. General Referee

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Additional References

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