



CURRICULUM VITAE

Calvine Kayi (PhD)

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Education:

- **PhD** in Transport Policy and Planning, and Geographic Information Systems (GIS), University of Trier, Germany (June, 2007). Thesis title: *An Analysis of Road Traffic Accidents Using Geographic Information Systems (GIS): The Case of Nairobi City, Kenya*. This work has since been published into a book by Dr. Kovac publishers, Hamburg (Germany). *The book is available on the publisher's website:* <http://www.verlagdrkovac.de/3-8300-3247-1.htm> as well as on Amazon.
- MA. in Geography (**Urban and Regional Planning – specializing in Transport Studies**) (Kenyatta University, Kenya, 2002). Dissertation title: *Effects of the 1997/98 El-Niño on Input Costs and Productivity of Nairobi-based Road Freight Operators*.
- **Master of Business Administration (MBA) – Entrepreneurship** (USIU, Nairobi, 2013)
- Bachelor of Education (Kenyatta University, 1997)

Non-academic Courses attended & Certificates: *Democracy and Good Governance*, Berlin (Germany), March 30 – April 05, 2008; *Human Rights & Good Governance*, Geneva (Switzerland), September 28 – Oct. 04, 2008; *Conflict Resolution Strategies*, Pretoria (South Africa), Nov. 2009; *Governance & the Media*, Bonn (Germany), March 21 – 27, 2010.

Languages: English, German and Kiswahili (Fluently spoken and written).

Nationality: Kenyan

Specialization, Teaching & Research Interests: Transport Planning & Policy, Logistics and Development; GIS; Research Methods; Applied Statistics; Qualitative and Quantitative Data Analysis Techniques.

Selected Organizations/Institutions worked for and experience:

August 2002 to current:

Faculty: Kenyatta University, Department of Geography

April 2015 to Current: Editor - in - Chief, *Chemchemi* – International Journal of Humanities and Social Sciences (ISBN 1563-1028). This is a peer-reviewed print journal of the School of Humanities and Social Sciences (SHSS) of Kenyatta University, Nairobi, Kenya.

June - August 2016

Lead Consultant for CAFOD: A Comparative Study and Analysis of Traditional and Scientific Early Warning Systems in Samburu and Kitui Counties, Kenya

November 2011 to 2013

Training Consultant: African Medical Research Foundation (AMREF) - training participants on project monitoring and evaluation (M & E) as well as qualitative and quantitative research including data collection, analysis and report writing.

Jan 2010 – May 2010

Key team member in the *Baseline Survey for Community Based Disaster Management for Floods, Road Traffic Accidents and Fire in Selected Districts in Kenya* Funded by the Kenya Red Cross (KRC).

May 2009 to February 2010

Data Consultant for the *Ecological and Socio-Economic Determinants of Sustainable Utilization of Plant Resources in Kakamega District, Kenya* study funded by the OSSREA.

April 2005 to July 2007:

Tutor of Transport policy and planning in developing countries at the Department of Urban, Regional Planning and Development at Trier University, Germany as a part-time lecturer.

December 15 – 17, 2007:

Consultant at GTZ for the “*German Development Cooperation (GDC) Strategic Planning Workshop*” held at the Severin hotel, Mombasa. Duties included workshop facilitation, report writing and report production.

December 8 – 14, 2007:

Consultant at GTZ for the “*Needs Assessment Workshop for the Planning Department of the Ministry of Health*” held at the Severin hotel, Mombasa. Duties included developing methodology for capacity needs assessment, workshop facilitation, and report production.

January – April 2003:

Consultant, Evaluation of “Rebuilding Education and Civil Society (RECS)” a project undertaken by CARE Southern Sudan and implemented in Tambura County, Southern Sudan.

October 2002

Data Consultant, “*Role and Development of Private Universities in Higher Education in Kenya*”, a FORD Foundation Funded project administered by Women Educational Research of Kenya (WERK).

May 2002:

Participated in the **Mainstreaming of Gender Issues in HIV/AIDS Epidemic Interventions Project** commissioned by the Government of Kenya and UNDP in ten pilot districts in Kenya. This involved development of research tools/instruments and training/inducting research personnel. The tools aimed at seeking information on the impacts of the HIV/AIDS pandemic with special emphasis on women.

January 2002 – April:

Research Associate with the **Institute of Policy Analysis and Research (IPAR)**. Duties involved assisting coordinators of social, education and main (economic) sectors in implementing related projects including planning and implementation of research projects, development of research tools, data collection and computer based analysis using SPSS and MS Excel, report writing and dissemination.

Nov. – December, 2001:

Data Analyst, **A Gender Perspective of Entrepreneurial Activities: Patterns of Access, Control and Ownership of Resources in Selected Target Districts in Kenya**, a UNDP/Government of Kenya Commissioned project. This involved data cleaning, editing, coding, entry and computer based analysis using SPSS and MS Excel, and report writing.

November 12th – 16th 2001:

Chief Rapporteur at **The Role of the Church in Coping with the HIV/AIDS Pandemic in Kenya** workshop held at Limuru conference center under the auspices of National Council of Churches in Kenya (NCCCK).

November 26th – 30th 2001:

Chief Rapporteur at **National Symposium on Environmental Concerns: The Role of the Church in the Conservation of the Environment in Kenya** workshop held at Methodist Guest house under the auspices of NCCCK.

January – April, 2001:

Research Assistant, **Post Injury Welfare of Road Traffic Accident Victims in Kakamega District, Kenya: Building Networks and Partnerships**, a Rockefeller Foundation funded project. This involved the development of data collection instruments, secondary and primary data collection, and lead facilitator during a Consultative Stakeholder Workshop held at Sheywe Guest House, Kakamega on 12th January 2001.

January – February, 2001:

Research Assistant, **Gender Blindness in Housing Policy: The case of Nairobi City**, a project funded by Rockefeller Foundation. This involved preparing data collection instruments used in the project, actual fieldwork/data collection, data cleaning, editing, coding, entry and computer based analysis using SPSS and MS Excel.

October, 2000:

Data Analyst, **Baseline Survey of data collected from Schools in Tambura County, Southern Sudan**, under the auspices "**Rebuilding Education and Civil Society (RECS)**", a project of CARE Somalia/Southern Sudan.

July, 2000:

Research Assistant, **Social and Institutional Mapping of Development Institutions in Kilifi, Makeni, Murang'a, Isiolo and Selected Urban Poverty Settlements of Mombasa**, a project of National Poverty Eradication Commission (Kenya) and UNDP and implemented by **Institute of Policy analysis and Research (IPAR)**.

Research and Publications:

‘Constraints to Profitable Participation in Agro-food Value Chain: A Case of Small-scale Banana Farmers in Meru County, Kenya’ *International Journal of Scientific Research Publications*, Volume 8, Issue 7, 2018. ISSN 2250-3153. DOI: 10.29322/IJSRP.8.7.2018.p7912 (<http://dx.doi.org/10.29322/IJSRP.8.7.2018.P7912>) – Co-authored with Susan Mbuthia and Stephen Wambugu)

‘The spatio-temporal distribution of periodic banana markets in meru county, Kenya’ (2018). *International Journal of Development Research (IJDR)* Volume:8, Article ID: 12222; ISSN 2230 – 9926, www.journalijdr.com/spatio-temporal-distribution - Co-authored with Susan W. Mbuthia and Stephen K. Wambugu

‘Slogans and Mottos on Matatus: A Reflection of Kenyan Urban Youth and Culture.’ (2016). *International Journal of Research in Social Sciences (IJRSS)* – www.ijsk.org/ijrss, Volume 6, Number 6

‘Outdoor Recreation in Urban Forests’. (2011), Published by Lambert Academic Publishing, Saarbruecken, Germany.

‘Transportation Challenges in African Countries’ in *Herausforderung Afrika – Gesellschaft und Raum in Wandel* (Edited by J. M. Nebe 2011), Published by Normos Verlag, Trier Germany.

“Outdoor Recreation in Urban Forests”. (2011), Lambert Academic Publishing, Saarbruecken, Germany.

‘Exploring Policy options and Strategies in Enhancing the Safety of Non-Motorized Transport Modes in African Cities: The Case of Nairobi City’ (2009), *Transport Research Board (TRB)* under the auspices of *The National Academies of Sciences, Engineering and Medicine*, 500 Fifth Street, NW/Washington, DC – <https://trid.trb.org/view/889639> - Access Number: 01129395

‘Current Practices in recording Road Traffic accidents in Kenya: Implications of Data Quality on Analysis of Road Accidents’ (2008), *Transport Research Board (TRB)* under the auspices of *The National Academies of Sciences, Engineering and Medicine*, 500 Fifth Street, NW/Washington, DC – <https://trid.trb.org/view/877920> - Access Number: 01117313

“An Analysis of Road Traffic Accidents Using Geographic Information Systems (GIS): The Case of Nairobi City, Kenya” Dr. Kovac publishers, Hamburg-Germany, 2007. *The book is available on the publisher’s website:* <http://www.verlagdrkovac.de/3-8300-3247-1.htm> as well as on Amazon.

Mobility Structures and Transportation in Africa (2006). Unveroefflichter Vortrag im Rahmen der Interdisziplinären Vorlesungsreihe “Strukturen und Probleme, Strategien und Chancen.” Universitaet Trier. (Co-authored with Heiner Monheim)

“Effects of the 1997/98 El-Nino Rainfall on Input Costs and Productivity of Nairobi-Based Road Freight Operators” A thesis submitted to Kenyatta University for the award of Master of Geography (Transport Studies) (2002).

Authored ***Revision Geography (II) for Kenyan Secondary Schools***. **Worldlink Press Publishers: Nairobi.** (2002)

Environmental and Socio-Economic constraints to Sustainable Development in Upper Ewaso Ngiro Basin, Kenya. An academic project submitted to Kenyatta University (1997)

Impact of WaterHyacinth (E. Crassipes) on the Fishing Industry in Lake Victoria - Winam Gulf, Kenya. An academic project submitted to Kenyatta University (1996)

Papers presented in Conferences/Workshops

- (i) **‘Slogans and Mottos on Matatus: A Reflection of Kenyan Urban Youth and Culture’**. By Calvin Kayi. A paper prepared for presentation at the 2nd Conference on African Urban Youth Languages (AUYL): Translingual Practices, Gestures, Media, Style. Kenyatta University, Nairobi. 11 – 13 December 2015.
- (ii) **‘Gendered perspectives in public transport sector in Kenya: the case of motorcycle use.’** By Gladys Nyachio, Calvin Kayi & Anne Kamau. Paper presented at the IDS@50 conference, University of Nairobi, 17 – 20 November 2015.

- (iii) **‘The nature of development thinking, past and present: An investigation into the poverty environmental degradation nexus in Kitui County.’** By Mary Mutiso, Calvine Kayi and Cush Lugonzo. Paper presented at the IDS@50 conference, University of Nairobi, 17 – 20 November 2015.
- (iv) **"Road Traffic Accidents as a Global Pandemic: Are there strategies for safe traffic?"** A Paper presented at the *Deutschen Geographentag* in Bayreuth on September 30, 2007
- (v) **“Walking at your Own Risk: The Pedestrian Dilemma in the City of Nairobi, Kenya”** A paper presented at the University of Trier on 06.07.2006
- (vi) **“Mobility Structures and Transportation in Africa”** A Paper presented at Trier University on 21.06.2006
- (vii) **“Transportation in Africa”** A lecture delivered at the University of Trier on 16.02.2006

Some of the PhD & MA Supervised Work and Their Status

Candidate	Level	Topic	Status
Sylvester Hayker	MA	<i>Urban Residents’ Perception on the Use of Greenspaces for Outdoor Recreation: The Case of Nairobi City</i>	Graduated
Echessa M. George	MA	<i>The Role of Residents Association in Urban Services Delivery: The Case of Nairobi City</i>	Graduated
Kerongo R. Mose	MA	<i>An Analysis of the Structure and Organization of Soapstone Carving as a Tourism Enterprise in Tabaka Region Gucha South District, Kenya</i>	Graduated
Odandi Victor	MED	<i>Factors Affecting the Education of Children Living with HIV/AIDS: A Case Study of Nyumbani Children’s Home, Nairobi (Kenya)</i>	Graduated
Mboya Tom	MA	<i>Effects of Climate Variability on Fishing Activities in Mbita Division, Homabay County, Kenya</i>	Graduated
John Chepkilim	MA	<i>Commercial Motorcycles and Insecurity in Nakuru County, Kenya</i>	Graduated
Gladys Moraa	PhD	<i>An Analysis of Emerging Safety Concerns in Motorcycle (BodaBoda) Transport: The Case of Kisumu City, Kenya</i>	Graduated
Susan Mbuthia	PhD	<i>An Analysis of the Efficiency of Banana Value-chain in Meru County, Kenya</i>	Graduated
Irene Awuor Owuor	PhD	<i>The Effects of Motorcycle Taxi Enterprises on Socio-Economic Well-Being of Riders in Homabay County, Kenya</i>	Graduated

Mary Mutiso	PhD	<i>An Investigation of Poverty-environmental Degradation Nexus in Kitui County, Kenya</i>	On-going
Matata Francis Baya	MA	<i>Social-Economic Determinants Influencing the Performance of Three Wheelers (“Tuk Tuks”) as a Means of Public Transport in Mombasa City, Kenya.</i>	On-going
Asava Allan Amoi	MA	<i>Assessment of the Periodic Market Infrastructure and Their Effects on Trading Activities in Tezo and Mkoroshoni in Kilifi County, Kenya</i>	On-going
Geoffrey Kipyegon Maritim	MA	<i>Awareness and Compliance Levels with Road Safety Regulations Among Commercial Motorcyclists in Starehe Sub-County, Nairobi City County, Kenya</i>	On-going
Geoffrey K. Kigen		<i>Assessing the Problem of Power Equipment Vandalism: A Case of Kenya Power and Lighting Company in Kiambu County</i>	On-going
Apeles Masiga Chacha	MA	<i>Axle Load Compliance Levels and Enforcement Challenges: The Case of Northern Corridor, Kenya</i>	On-going

Professional/ Consultancy (Editor/ Peer review in journals, Networks/ Collaborations, External Examiner, Patents)

- i) In 2020, as Co-PI, wrote (together with others) and submitted collaborative proposal titled *Urban Transport Infrastructure: Repercussions For Mobility, Safety And Health of Vulnerable Road Users in African Cities* to the Volvo Research & Education Foundation (VREF) for funding by three (3) Universities: University of Cape Coast (Ghana), Kenyatta University (Kenya) and University of Lilongwe (Malawi).
- ii) In 2018, as Co-PI, wrote (together with others) and submitted a collaborative research proposal titled *Status of Road Safety in Kenya: A Survey of Risk Factors and Measures to Mitigate Injuries and Fatalities on Selected Road Accident Black Spots* to the National Research Foundation (NRF).
- iii) In 2017, as a **Transport expert**, wrote (together with a team from Institute for Development Studies – IDS, University of Nairobi) and submitted a proposal for consideration in the **World Bank funded – East African Regional Transport, Trade and Development Facilitation Project (EARTTDFP)**

- iv) **2014 – to date:** Editor-in-Chief, *Chemchemi* International Journal of Humanities and Social Sciences
- v) **External Examination of Theses/Dissertations:**
 - a. **2015:** Dissertation examiner, College of agriculture & Environmental Sciences, Makerere University (2006/HD03/7214U).
 - b. **2020:** Dissertation examiner, Faculty of Science (MSc., Geography), University of Johannesburg (201410234)

Affiliation of Professional Bodies

- i) **Kenya Transport Researchers Network (KTRN)**
- ii) **Africa Good Governance Network (AGGN)**
- iii) **TRANSPORTNET** - A network of eight European leading universities involved in transport research & education.
- iv) **Institute for Transportation and Development Policy (ITDP)** – with updates on projects & publications.
- v) **Sustainable Urban Transport Project - SUTP** (a GIZ project with frequent updates on urban transport issues).

Community Service and Other Engagements

- i) **2020 – to date:** Chairman, Board of Management, Dirubi Secondary School
- ii) **2013 – to date:** Ordained Deacon, Membley Baptist Church

Administrative Positions Held

- i) **2008 – 2012:** Departmental Postgraduate Seminars Coordinator
- ii) **2008 – 2012:** Departmental Examinations Coordinator
- iii) **2014 – 2016:** School of Humanities and Social Sciences (SHSS), Examinations Coordinator
- iv) **2014 – to date:** Editor-in-Chief, *Chemchemi* International Journal of Humanities and Social Sciences

Referees:

1. **Prof. Chris Shisanya**, Dean School of Humanities and Social Sciences, Kenyatta University. Mobile Number: 0722312767
2. **Prof. Joy Obando**, Department of Geography, Kenyatta University. Mobile Number: 0722966134