

CURRICULUM VITAE

BIODATA:

Name : **IRANDU** Evaristus Makunyi (**Professor**)
Profession : Teaching, Research and Consultancy in
Transport, Tourism, Industrial development and
Environmental Management
Date of Birth : 17th April, 1956
Nationality : Kenyan
Marital Status : Married with five children
Postal Address : Department of Geography & Environmental Studies,
University of Nairobi,
P.O. Box 5207 - 00200, Nairobi
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PROFESSIONAL COMPETENCE:

I am a trained and experienced **Economic Geographer** with a wealth of experience in **Transport Infrastructure, Tourism, Regional Development, Industrial Development and Sustainable development**. I have **40 years** of postgraduate research experience focusing on analysis and discussion of air transport, logistics, railway, urban and rural transport systems in Kenya, East Africa and the rest of Africa. In addition, I have teaching and research experience in International Tourism, Ecotourism and Tour Operations Management. I am also a Lead Consultant in Environmental Impact Assessment & Audit. In total I have **32 years** teaching experience at the University level.

I have carried out consultancy services on rail transport in Kenya, transport and trade facilitation in Kenya and air transport in the East African Community. These consultancies were commissioned by international organisations and bodies such as USAID, Technoserve and COMESA.

I was the Chairman of the Department of Geography and Environmental Studies of the University of Nairobi for two terms from **September 1999 to August 2005**. During this period, I participated and presided over the development of new market driven degree and diploma programmes in the Department such as M.A. (Environmental Planning and Management) and Diploma (Natural Resources Management). I also actively participated in the development of B.A. (Tourism), an undergraduate degree programme in the Faculty of Arts. I was involved in the development of harmonized international tourism curriculum for all the Public Universities in East Africa. I prepared the concept note which was approved by the European Union that funded the project. I also prepared the questionnaire that was used for the training needs assessment in tourism sector in East Africa before developing the harmonised tourism curriculum for all Public Universities in East Africa.

I was also the Team Leader for an Environmental Impact Assessment study (EIA) for the Thika Superhighway. This was a joint research project involving the Earth Institute of Columbia University in the USA and the Department of Geography and Environmental Studies of the University of Nairobi. The project started in August 2011 and ended in November 2012. A final report was published by the Centre for Sustainable Urban Development (CSUD) of the Earth Institute of Columbia University and is now used for training students in carrying out Environmental Impact Assessment (EIA) in our Department and at the Earth Institute. I am also a Social and environmental safeguards expert who has done a lot of consultancy work for the World Bank in the preparation of Environmental and Social Management Frameworks (ESMFs) for the Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI) and the Ministry of Devolution. I have also undertaken consultancy work commissioned by the World Bank on Environmental and Social Audit (ESA) and Strategic environmental and social assessment(S-ESA) for the Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI).

ACADEMIC AND PROFESSIONAL QUALIFICATIONS:

- 1995 : Ph.D., University of Nairobi.
Thesis Topic: **Air Transport in Kenya: An Analysis of Domestic and International Airline Networks.**
- 1983 : M.A., University of Nairobi.
Thesis Topic: **The Road Network in the Mombasa Municipal Area: A spatial Analysis of its Effects on Land Values, Population Density and Travel Patterns.**
- 1978 : B.Ed. (Hons), University of Nairobi – **Majoring in Geography and Education.**
- 2005 : Registered **Lead Expert on Environmental Impact Assessment and Auditor** (NEMA Cert. No. 0660).

AWARDS

- 1979: Awarded a Masters Degree Scholarship by Kenyatta University College, then Constituent College of the University of Nairobi to major in Economic Geography in the Department of Geography and Environmental Studies, University of Nairobi.
- 1990: Awarded PhD in- Country Scholarship by the Germany Academic Exchange Programme (DAAD) to pursue Doctorate Degree in Transport Geography at the University of Nairobi.

EMPLOYMENT HISTORY IN THE UNIVERSITY OF NAIROBI:

- 2018-** **Full Professor**
- 2006-2018:** **Associate Professor**
- 1997-2006 :** **Senior Lecturer**
- 1989- 1997:** **Lecturer**
- 1988-1989 :** **Assistant Lecturer**

EMPLOYMENT HISTORY IN OTHER EDUCATIONAL INSTITUTIONS:

- 1982-1987: Kagumo Teachers' Training College (Nyeri County).
1981-1982: Githiga High School (Kiambu County)
1978- 1979: St.Mary's Girls High School, Igoji (Meru County)

CURRENT TEACHING:

Undergraduate Courses:

- Economic Geography
- Geography of World Economies
- Transport Geography
- Industrial Geography
- International Tourism
- Ecotourism
- Tour Operations Management
- Tourist Attractions and Facilities

Post Graduate Courses (M.A. /M.Sc):

- Transport Geography
- Economic Geography or Geography of Development

ADMINISTRATIVE AND OTHER RESPONSIBILITIES

September 1999- August 2005: Substantive Chairman, Department of Geography and Environmental Studies, University of Nairobi

August 2005- September 2014: Departmental Internal Moderator appointed by the Vice Chancellor.

October 2006- Appointed as Member of the Gender Policy Committee by the Vice Chancellor

September 2013- 2014: Member of the Departmental Post graduate Studies Committee

2014- Chair, Departmental Curriculum Committee

2018 -

Member, Faculty of Arts Curriculum Committee

EXTERNAL EXAMINING

2000-2004: External Examiner, Department of Geography, Kenyatta University

2006-2013: External Examiner, Department of Tourism and Tour Operations Management, School of Tourism and Hospitality, Moi University, Eldoret.

2012-2017: External Examiner, Department of Tourism and Tour Operations Management, University of Eldoret, Eldoret.

2012-2016: External Examiner, Department of Tourism and Tour Operations Management, School of Business, Karatina University, Karatina.

2015- 2018 External Examiner, Department of Social Studies (Geography), Maasai Mara University.

PUBLICATIONS

Peer-reviewed Journal Articles

1. Kemboi, T.H., **Irandu E.M**, and Thenya,T (2018c). Conflicts over resource use in Kamnarok National Reserve and the adjacent community. **Journal of Advanced Research in Environmental Studies. Vol 3. (1), 1-11., www.advarj.com**

2. Kemboi, T.H., **Irandu E.M**, and Thenya, T. (2018b). Human Wildlife Conflicts and Livelihood Diversification among Kamnnarok National Reserve Adjacent Communities in Baringo County, Kenya. *African Environmental Review Journal Volume 3, Issue 1, pp. 51-64.*

3. **Irandu, E.M.** (2018a.). Factors influencing growth of horticultural exports in Kenya: a gravity model analysis in **GeoJournal**, <https://doi.org/10.1007/s10708-018-9888-x>

4. Otieno N.V., **Irandu, E.M** and J.M. Moronge. (2017f) ‘Public Involvement in Environmental Decision Making in Nairobi County, Kenya’ *International Journal of Education and Research*, Volume 5, Issue No. 10, October 2017, pp. 185-193 ISSN: 2411-5681
5. **Irandu, E.M.** (2017e). A review of the impact of the Standard Gauge Railway (SGR) on Kenya’s national development in the **World Transport Policy and Practice**, Volume 23.(2), 22-37
6. Njoroge, I. W, **Irandu, E. M**, Moronge J. M. (2017d). An assessment of the Impacts of Cleaner Production Implementation in Manufacturing Industries in Nairobi Kenya in the **International Journal of Education and Research** Vol. 5 No. 7; 173-186.
7. Bundi, J. M., **Irandu, E.M., and** Mbatia, P.N. (2017c). Analysis of Effects of Environmental Factors on Road Traffic Accidents in Nairobi, Kenya in the **International Journal of Humanities and Social Science Review**, Vol. 3 No. 1; 1-9.
8. F.M. Karema and **Irandu, E.M.** (2017b). Role of Commercial motorcycles in promoting agricultural production in Kenya: a case study of Laikipia East sub-county, Kenya in the **International Journal of Education and Research**, Vol. 5 No. 2, 1-16.
9. Karema F.M., **Irandu, E.M., and** Moronge, J.M. (2017a): The Role of Commercial Motorcycles in Alleviating Poverty in Rural areas: A case study of Laikipia East Sub County, Kenya in **Journal of World Review of Intermodal Transportation Research**, Vol. 6, No. 2, 155—176
- 10 Makunyi, E. W., **Irandu, E.M.,** Kimiywe, J. and Wahome, E. (2016b): Marketing Adventure Tourism in the Mt. Kenya Region by the Kenya Tourist Board: An Analysis of the Changing Roles of Destination Marketing Organizations in **International Journal of Education and Social Science**, Vol. 3, No. 12. 1-17.

11. **Irandu, E.M.** and Makunyi, E. W. (2016a): Sport Hunting as a Sustainable Wildlife Conservation Strategy in Kenya: Prospects and Challenges in **International Journal of Social Science and Business**, Vol. 1, No.4. 1-17.
12. Parita, S., and **Irandu, E.M.** (2015): Ecotourism: The case of Karura Forest, Nairobi in **African Journal of Tourism and Hospitality**, Vol. 1, No.2., 21-40.
13. **Irandu, E.M** and Parita, S. (2014) .The Role of Ecotourism in Promoting Women Empowerment and Community Development: Some Reflections from Kenya in **Journal of Tourism and Hospitality Management**, Vol. 2, No.6, 245-259.
14. **Irandu, E.M.** (2008b): Towards Efficient Management of Public transportation in the City of Nairobi through Application of Intelligent Transport Systems (ITS) in the **Journal of World Review of Intermodal Transportation Research**, Vol.2, No.1: 72-83..
15. **Irandu, E.M.** (2008a): Opening up African Skies: the case of Airline Industry Liberalization in East Africa in the **Journal of The Transportation Research Forum**, Vol.47, No.1: 73-89.
- 16 **Irandu, E.M.** (2006c): Sustainable Tourism Development on Kenya's Coast: a Hospitality Sector View, "in **ANATOLIA: An International Journal of Tourism and Hospitality Research**, Vol.17 No.2: 189 – 209, published in Ankara, Turkey.
17. **Irandu, E.M.** and Rhoades, D. (2006b): The Development of Jomo Kenyatta International Airport as a Regional Aviation Hub in the **Journal of Air Transportation**, Vol.11 No.1: 50 – 64, Published by the Aviation Institute, University of Nebraska, Omaha, USA.

18. **Irandu, E.M.** and Rhoades, D. (2006a): The Challenges of Sustaining African Aviation: The Case of Jomo Kenyatta International Airport in **World Review of Entrepreneurship, Management and Sustainable Development**, Vol.2, No.4: 362 – 374, USA
19. **Irandu, E.M.** (2005): **Air Transport and Growth of Tourism in Kenya**, in HEKIMA, Journal of Humanities and Social Sciences, Vol.3, No.1: 14 – 26, published in Nairobi, Kenya.
20. **Irandu, E.M.** (2004c): **The Role of Tourism in the Conservation of Cultural Heritage in Kenya** in ASIA PACIFIC JOURNAL of Tourism Research Vol.9 No.2: 133 – 150, Published in Hong Kong, China.
21. **Irandu, E.M.** (2004b): **The Potential for Cruise Tourism in Kenya** “in ANATOLIA: An International Journal of Tourism and Hospitality Research, Vol.15 No.1: 69 – 86, Published in Ankara, Turkey.
22. Mutoro, H. and **Irandu, E.M.** (2004a): **Tropical Urbanism with Riverrine Focus: Settlement Formation and Distribution in Lower Grand Falls, Upper Tana River Catchment** in JOURNAL OF ENVIRONMENT AND CULTURE, Vol.1, No.1: 10-20, Published in Nigeria.
23. **Irandu, E.M.** (1983): “**Urban Transportation and Land Values: the case of Mombasa, Kenya**”, in **ARDHI**, Journal of Land Development, University of Nairobi.

Chapters in Scholarly Books

1. **Irandu, E.M.** and Ndolo, I. J. (2018b). Green Energy for the City of Nairobi: a path to sustainable future in **Food Security, renewable energy and water: Insights on sustainability**, edited by Oluoko-Odingo, Ayiemba, E.H.O, and Muthama, J, N, Kenya Literature Bureau, Nairobi.

2. **Irandu, E.M.** (2018a): Air Transport Security in Kenya in **Air Transport Security: Issues, Challenges and National Policies**. Edward Elgar Publishers, 180-198.

3. **Irandu, E.M.** and Shah P. (2016b). Development of Cultural Heritage Tourism in Kenya: a Strategy for Diversification of Tourism Products in the **Conservation of Cultural and Natural Heritage in Kenya: Cross-Disciplinary Approaches In Theory and Practices**, edited by Anne-Marie D. and Mugwima N. 129-147.

4. **Irandu, E.M.** (2016a): Multimodal Freight Transport Security in Kenya in **Multimodal transport Security: Frameworks and Policy Applications in Freight and Passenger Transport**. Edward Elgar Publishers, 124-142.

5. **Irandu, E.M.** (2015): Global Change and Sustainable Mountain Tourism: The Case of Mount Kenya. In **Impact of Global Changes on Mountains: Responses and Adaptation**. Aw Publication, 187-207

6. **Irandu, E.M.** (2001): “CDM “Transport Projects on Mass Transport and Non Motorized Transport in Odingo, R.S. (Ed): **The Clean Development Mechanism in Africa, a Framework for the Design of Sustainable Development Projects**, pp. 197-201, Climate Network Africa, Nairobi.

7. **Irandu, E.M.** (1999): “Urban Transport and Communication”, in **Environment and Development in Kenya**, pp. 83-110, Kenya National Academy of Sciences, A Public Lecture Series, Nairobi, Kenya

Reviews in International Refereed Journals

1. **Irandu, E.M.** and J.K. Omoke (2000): **Tourism and African Development: Change and Challenge of Tourism in Kenya**, Review of Isaac Sindiga (1999) in Third World Planning Review, Vol.22, No.4: 458-460.

2. **Irandu, E.M.** and Mary N. Kinyanjui (1998): **Geography of Sub-Saharan Africa** review of Aryeetey, S. (Ed) (1998) in the Journal of African and Asian Studies, Vol.32, No.4: 409- 410.

Books:

Edited

Oluoko,-Odingo,A.A., Khroda, G.O., **Irandu, E.M.** and Omoke, J.K. (2019). (Eds).Food Security and Livelihoods in Kenya: Drivers, Challenges and Sustainability Issues. Kenya Literature Bureau, Nairobi.

Teaching Modules

1. **Irandu, E.M.** (2012): **SGP/CGP 321: Economic Geography**, published by the Centre for Open and Distance Learning, University of Nairobi.

2. **Irandu, E.M.** & S. Mikalista, (2011): **CGP/SGP 332: Geography of World Economies**, published by the Centre for Open and Distance Learning, University of Nairobi.

3. **Irandu, E.M.** & J.K Omoke., (2010): **CGP/SGP 327: Geography of Recreation and Tourism**, published by University Council, University of Nairobi.

4. **Irandu, E.M.** (2009): **CTO 304: Tour Operations Management**, Published by the Centre for Open and Distance Learning, University of Nairobi.

5. **Irandu, E.M.** and E. Wahome (2008): **CTO 103: Tourist Attractions & Facilities**, published by the Centre for Open and Distance Learning, University of Nairobi.

6. **Irandu, E.M.** (2006): **SGP 307: Economic Geography I**, published by Faculty of Science, University of Nairobi.

7. **Irandu, E.M.** & J.M. Moronge (2005): **SGP 306: Regional Development I**, published by Faculty of Science, University of Nairobi.

Secondary School Books

1. Akivaga, P and **Irandu, E.M.** (2016b): **Star Secondary Geography Revision Paper 2** published by Longhorn Kenya Limited, Nairobi, Kenya.

2. Akivaga, P and **Irandu, E.M.** (2016a): **Star Secondary Geography Revision Paper 1** published by Longhorn Kenya Limited, Nairobi, Kenya.

3. **Irandu, E.M.** & Akivaga, P. (2005): Gateway Secondary Geography Revision, published by Longhorn.

4. **Irandu, E.M.** (2000). Target Secondary Geography. Form 2 Students' Book. Longhorn, Nairobi, Kenya.

5. **Irandu, E.M.** (1999). Target Secondary Geography. Form 1 Students' Book. Longhorn, Nairobi, Kenya.

6. **Irandu, E.M.** (1989): A complete Junior Course in Human and Physical Geography, published by Longman, Kenya.

REFEREED CONFERENCE PROCEEDINGS:

1. Parita S. and **Irandu, E.M.** (2014). “**Ecotourism as a Strategy for promoting Conservation of Biodiversity in the Tana River County**”, A paper presented at the National Scientific Conference for the Tana River County, February 25th to 27th 2014., Published jointly by NEMA, Wetlands International and University of Nairobi.

2. **Irandu, E.M.** (2007): **Wildlife Tourism and Local Communities in Kenya** in ATLAS: Aspects of Tourism in Kenya.

3. **Irandu, E.M.** (1998): “**Promoting Sustainable Mobility in Kenya**”, Published as part of a Study Paper for the Member Churches of the World Council of Churches (WCC), Geneva Switzerland.

4. **Irandu, E.M.** (1996): **The Rural Road Transport Infrastructure and Sustainable Development in Kenya**, A Paper Presented at the Sixth Annual Conference of the Eastern Africa Environmental Network (EAEN), Louis Leakey Memorial Hall, National Museums of Kenya, 26-27th May.

5. **Irandu, E.M.** (1995b): **The Maritime Infrastructure and Economic Development in Kenya**, Proceedings of the 50th Anniversary of Engineers Conference on the Engineer and Infrastructure, KICC, Nairobi, 22-24th November.

6. **Irandu, E.M.** (1995a) **Tourism and Sustainable Development in Kenya**, in the Proceedings of the Fifth Annual Conference of the Eastern Africa Environmental Network (EAEN), Louis Leakey Memorial Hall, National Museums of Kenya, 26-27th May.

7. **Irandu, E.M.** (1989): “**Urban Transportation in Kenya’s Medium Sized Towns**”: **the case of Eldoret**, in the proceedings of the first National Workshop on Planning and Development of Eldoret and Environs, 14th-18th August at Sirikwa Hotel, Eldoret.

8. **Irandu, E.M.** (1988): **The Bus and Rail Commuter Services in Nairobi**, in the proceedings of the first international conference on spatial planning of Nairobi. 13th –17th December, Kenyatta International Conference Centre, Nairobi Kenya

POST GRADUATE SUPERVISION

Post Graduate Diploma

1. Nancy.Aluoch Ounga

I was **sole supervisor**. Research topic: “**The Human Factors Influencing Road Traffic Accidents in Nairobi**”. Admission – 2011, Award of **Postgraduate Diploma in Strategic and Security Studies in 2012**.

Masters Successfully Completed

1. Kuol, Chaw, Johnson

Research topic: **Potential Impact of the Withdrawal of 14 seater Matatus in Nairobi County**. Was first supervisor. Admission 2010. Completed and awarded a Masters Degree in December 2017.

2. Otieno, Vivvianne, Ndiakha

Research topic: **Improving Public Participation and Consultation in Environmental Impact Assessment (EIA): A case study of Nairobi County**. Admission 2013. Was first supervisor. Completed and awarded a Masters Degree in December 2017.

3. Njoroge, Irene, Wanjiku

Research topic **Determinants of adoption of Cleaner Production in Manufacturing Industries: A study of selected industries in Nairobi**

Admission 2014. Was first supervisor. Completed and awarded a Masters Degree in December 2017.

4. Omondi Jack Frederick

Research topic: **An assessment of Eco-village Tourism Potential as a Model for Sustainable Ecotourism; A case study of western Kenya**. Admission 2011. Was first supervisor. Completed and awarded a Masters Degree in December 2015.

5. Mwangi, Frederick Karema. Was the first supervisor.

Research topic: **The role of Commercial Motorcycles in the Rural Economy: a case study of ILaikipia East sub-county, Kenya.** . Admission 2013. Was first supervisor. Completed and awarded a Masters Degree in December 2015.

6. Catherine Njeri supervising with Mr. Ndogoni. Was the first supervisor.

Research topic: **‘Effects of Dust on the Wellbeing of People in Learning Institutions along Wamagana-Ihithe Road in Nyeri County During its improvement’.** Admission 2010. Completed and awarded a Masters Degree in 2014.

7. Vimbainashe Makombe. Supervising with Dr. Alice O. Odingo. Was the **first supervisor.**

Research topic: **“Analysis of the Environmental Proactivity Strategies in the Zimbabwe Poultry Value Chain’.** Admission 2013. Completed and awarded a Masters Degree in 2014.

8. Jairus Machogu. Supervising with Dr. Omoke,K.J.. I was the **first supervisor.**

Research topic: **“Assessment of the Environmental Impacts of Wildlife based Tourism in Kenya’s protected areas; A case study of Maasai Mara National Reserve.’** Admission 2010. Completed and awarded a Masters Degree in 2014.

9. Wakesho, C. Supervising with Dr. Mooronge, J.M. I was the **first supervisor.**

Research topic: **“Mainstreaming Environmental Management in Corporate Organisations: A Case Study of Kenya Commercial Bank (KCB), M.A (Environmental Planning & Management)** Admission-2009, Completed and awarded a Masters Degree in 2013.

10. Cherotich, E. Supervising with Dr. Opondo, M. I was the **second supervisor.**

Research topic: **‘E-waste Management in Kenya: A Case Study of Mobile Phone Waste in Nairobi’**, M.A (Environmental Planning & Management). Admission-2009. Completed and awarded a Masters Degree in 2013.

11. Moraa, J. Supervising with Prof. David Mungai. I was the **second supervisor**.
Research topic: “**An Assessment of the Adoption and Level of Implementation of Cleaner Production by Star-rated Hotels in Nairobi County, Kenya**”, M.A (Environmental Planning & Management) Admission-2006 Completed and awarded a Masters Degree in 2013.
12. Maina, M. Wanngondi Supervising with J.M. Moronge. I was the **first supervisor**.
Research topic: ‘**An Investigation of Commuter Satisfaction in the Use of Muthurwa Terminus**’. M.A (Transport Geography) Admission-2005 Completed and awarded a Masters Degree in 2013.
13. Katsoleh, G.C. Kahindi. Supervising with J.M. Moronge. I was the **first supervisor**.
Research topic: “**Awareness of Environmental Laws: A case study of Nairobi residents living around Dandora dumping site. M.A. (Environmental Planning and Management)**”. Admission – 2005, Completed and awarded a Masters Degree.
14. Gichira, P.S. Supervising with H. Namai. I was the **first supervisor**.
Research topic “**The Role of Religion in Sustainable Development: A Study of the Work of the Church in Africa in the Conservation of Forests**”, M.A (Environmental Planning and Management). Admission – 2006, Completed and awarded a Masters Degree.
15. Maina N Manyeki. Supervising with J.M. Moronge. I was the **first supervisor**.
Research topic “**Energy Options for Secondary Schools in Thika District, Kenya**”, M.A. (Environmental Planning and Management). Admission – 2005, Completed and awarded a Masters Degree in 2007.
16. Kamithi, Ng’ang’a. Supervised with K.J. Omoke: I was the **first supervisor**.
Research topic “***The Role of Eco-Tourism in Environmental Management: A Case Study of Southern Laikipia Plateau, Laikipia District***”, M.A Project (Environmental Planning and Management). Admission – 2002, Award of M.A. Degree in 2005.

17. Bundi, J. Miriti. Supervised with I. Ndolo. I was the **first supervisor**.

Research topic “*Road Transport Problems: A Case Study of Tea Roads in Meru South*”, **M.A. (Transport Geography)**. Admission – 2000, Award of **M.A. Degree** in 2005.

18. Mary-Anne Njeri Kamau. I was **sole supervisor**.

Research topic “*The Role of Tourism in Regional Development: A case study of Village Tourist Centres of the Coast Province, Kenya*”. Admission – 1997, Award of **M.A. Degree in Geography**– 2000.

19. Kariga, John Ng’ang’a. I was **sole supervisor**.

Research topic “*An Investigation of Some Economic Impacts of Feeder Roads in Rural Areas: A Case study of Thika District, Kenya*”. Admission – 1996, Award of **M.A. Degree in Geography**– 2000.

20. Achieng’ Bertha Othoche. I was **sole supervisor**.

Research topic “*The Economic Impact of Tourism on the Kenyan Economy: A case study of Lake Victoria Region*”. Admission – 1995, Award of **M.A. Degree in Geography** – 2000.

21. Kyaka Joshua Mbunya. I was **sole supervisor**.

Research topic: “*The Spatio-Temporal Structure of Periodic Livestock Markets and their Associated Environmental Effects in Laikipia District, Kenya*”. Admission – 1996, Award of **M.A. Degree in Geography** – 1999.

22. Bernard Wasike Wafukho.

I was sole supervisor. Research topic: “*Industrial development planning: The case of development inducing and development supporting industries of Western Province, Kenya*”. Admission – 1993, Award of **M.A. Degree in Geography** – 1997.

23. Stephen Lugarire Ongaro.

Supervised with the late Prof. R.B. Ogendo: I was **second supervisor**. Research topic: *“Transportation as a medium for spatial Interaction: A case study of Kenya’s Railway Network”*. Admission – 1989, Award of M.A. Degree in Geography – 1995.

Masters on-going

1. Lydia N. Masikonte. M.A (Environmental Planning and Management). Admission 2013. An investigation of the environmental and socio-economic impacts of the geothermal exploitation on the local Maasai community: (a case of Suswa geothermal plant). Proposal stage.

2. Priscilla Muchibwa. M.A. Transport Geography. Admission 2016. Analysing Potential for Bike share in an African City: The Case of Upper Hill Area, Nairobi, Kenya. Proposal stage.

3. Kithuka Daniel Muoki. .MA in Economic Geography. Admission 2017. An analysis of the Role of Periodic Markets in Rural Development in Mukaa Sub-county; Makueni county. Submitted Draft Project.

4. Wachuka, M. George. M.A in Economic Geography. Admission 2017. The Effects of Tourism Development on Poverty Reduction in Rural Communities: Case Study of Laikipia County. Project stage.

5. Cosmas Likhanga. M.A (Environmental Planning and Management). Admission 2016. Challenges and Potentials of Ecotourism as a form of Conservation and Sustainable Development on Kakamega Forest Ecosystem. Proposal stage.

6. Benvinda S. Coutinho Luis . M.A Transport Geography. Admission 2015. The Impact of Informal Transport on Daily Commuting. a Case Study of Maputo City, Mozambique.. Proposal stage.

7. Diana Ochieng. M.A (Environmental Planning and Management). Admission 2013. The Impact of Green Business Practices on an Organization’s Performance. A Case Study of Safaricom Limited, Nairobi-Kenya. Proposal stage.

8. Nicholaus J. Mwakasege. M.A (Environmental Planning and Management).
Admission 2012. Tourism Growth and its Impacts on Sustainable Use of Freshwater Resources: A Case Study of Zanzibar Stone Town. Submitted Draft Project.

Doctorate Successfully Completed

1. James Moronge Miyogo. I was the **sole supervisor.**

Research topic “**Industrial Restructuring in the City of Nairobi: A Case Study of Industries in the Formal Manufacturing Sector**”, **Ph.D. Research work.** Admission – 1998. Already awarded Ph.D.

2. Ondicho, T: Supervising with Dr. L.Muruli: I am the **second supervisor.**

Research topic “**Tourism, Power and Politics: The Challenges of Maasai Involvement in Tourism Development**”, **PhD Research Work.** Admission – 2000.

Already awarded PhD.

3. John Kioko Musingi. Supervised with Prof. Elias O. Ayiemba, was second supervisor.

Research topic “**Effects of Large-Scale Multi-Purpose Dams on Public Health and Food Security: A Case Study of Masinga Dam, Kenya.**” **PhD Research Work.**

Admission – 2006. Already Awarded.

4. Bundi, Jeremy Miriti. Main Supervisor.

Research Topic “**An Analysis of the effects of Environmental and Governance Factors on Road Safety Problems. A Case Study of Road Accident Black Spots in the City of Nairobi, Kenya**”, **PhD Research Work, Admission, 2011,** has submitted Final Draft waiting to submit.

Doctorate on-going

1. Kilaka, B. Kithome. Supervising with Dr. Wambua B. Am main supervisor.

Research topic: “**Effects of declining Agricultural Land Units on Food Security; A case of Makueni County, Kenya**”. Admission 2014. Correcting First Draft of PhD Thesis.

2. Togocho Kemboi. Supervising with Dr. Thuita Thenya. I am the Lead supervisor. Research topic: **Analysis of Human-Wildlife conflict on livelihood diversification among communities living adjacent to Kamnarok National Reserve in Baringo County, Kenya.** Finalising Final Draft

3. Karema, Mwangi Fredrick. Supervising with Prof. Paul Mbatia. Research topic: **An assessment of the role of non-motorized transport in promoting rural mobility: a case study of Laikipia County, Kenya.** Completed data collection and analysis.

SEMINARS/CONFERENCES/WORKSHOPS/SYMPOSIUMS

1. **Irandu, E.M.** Gave **keynote speech** on ‘**Tourism and Travel Industry: Emerging issues and good practices that will influence the future of the industry in Africa**’. At the Moi University 11th International Conference, September 13, 2016 – September 17, 2016, Margaret Thatcher Library (MTL), Moi University-Main campus, Eldoret.
2. Wanshou Forum on a New era of China-Africa Cooperation in the context of South-South cooperation, Crowne Plaza, Nairobi, 2nd June, 2018.
3. China-Africa Infrastructure cooperation in Africa: The case of the Mombasa-Nairobi Standard Gauge Railway Conference, jointly organized by the Government of Kenya and the Chinese Embassy, 24th -26th June, 2018, Intercontinental Hotel, Nairobi.
4. Joint University of Nairobi and Kenyatta University New Generation Researchers Workshop at Utalii Hotel, Nairobi, 8th August 2018
5. Wanshou Forum on Targeted Poverty Alleviation, Beijing, China, Wednesday, 24 October 2018, attended as a member of the African Think Tank delegation.

6. **Irandu, E.M.** and Parita Shah. 2014. **The Potential and Challenges of Promoting Ecotourism in Kenya's Wetlands**, a paper presented at the First African Workshop on Sustainable Tourism jointly organized by Strathmore University and African Fund for endangered Wildlife, 23RD -25TH October 2014.
7. **Irandu, E.M.** and Parita Shah. 2014. **The Role of Ecotourism in Promoting Women empowerment and Community Development; Some Reflections from Kenya**, a paper presented at the Symposium organised by the French Research Institute in Africa and the National Museums of Kenya, Louis Leakey Hall, Nairobi, 16th – 17th July. 2014.
8. Parita S. and **Irandu, E.M.** (2014). **Ecotourism as a Strategy for promoting Cnservation of Biodiversity in the Tana River County**, A paper presented at the National Scientific Conference for the Tana River County, February 25th to 27th
9. Workshop for the Preparation of **Yala Swamp Management Plan** organised by the National Environment Management Authority (NEMA), 18th November-22rd November 2013, at Siaya Technical Institute, Siaya, Siaya County.
10. Joint Workshop to discuss **Lssons Learned on Major Road Projects** organised by the Earth Institute of Columbia University, New York and the Department of Geography and Environmental Studies, University of Nairobi, Main Campus, University of Nairobi, 19th November 2012. I presented our Environmental Impact Assessment Report on Thika Superhighway.
11. **Irandu, E.M.** (2011): **Findings of Scoping Study on Environmental Impacts of Thika Superhighway** an Invited Paper for the Public Forum, Pan Affric Hotel, 25th November, 2011, Organised by KARA (Kenya Association of Residents Alliance).
12. Regional Workshop on the Implementation of COMESA Facilitation Instruments along the Northern Corridor, 20th - 21st July 2009, Hilton, Nairobi, Kenya. I presented the Final Report on **Assessment of the Implementation of the Transit Transport Facilitation Instruments in Kenya** at the Workshop.

13. **Irandu, E.M. (2007): Draft Report on the Assessment of the Implementation of the Transit Transport Facilitation Instruments in Kenya, Common Market for Eastern and Southern Africa, National Assessment Workshop, Nairobi, 13th – 14th December, 2007.**
14. **Irandu, E.M. (2005): Trade and Transport Facilitation with specific Reference to the East African Community**, an Invited Paper for the Seminar on the East African Community Customs Union, Silver Springs Hotel, 21st -22nd March, Organised by the Centre for Trade and Facilitation and Capacity Building Africa.
15. **Irandu, E.M. (2003): Wildlife Tourism and Local Communities in Kenya**, An Invited Paper for the ATLAS Conference, Arusha, Tanzania, 20 – 22 Feb.
16. East African Rail Study Review Workshop Organised by the East African Community (EAC) Secretariat and Technoserve Inc., EAC HQs, Arusha Tanzania, April, 29th-30th, 2002.
17. Workshop to Review the First Draft of Kenya's Initial National Communication to the Conference of the Parties to the United Nations Framework. Convention on Climate Change (UNFCCC), Outspan Court and Country Club, Nyeri, 17th-18th Dec. 2001.
18. Workshop on Factoring Weather and Climate Information into an Integrated Disaster Management Policy, 13th-14th Sept. Nairobi Safari Club - participated as Reviewer for Paper on Energy, Industry, Transport and Communications Sector, 2001.
19. HIV/AIDs and Transport Workshop, Kampala, Uganda, organised by the Uganda National Transport Forum, July. 23rd-25th, 2001.
20. Consultative Pre-Plan Workshop for Preparation of the 9th National and 7th District Development Plans, AFC Training Institute, Lang'ata, 4th-7th March 2001.

21. International Workshop on understanding and integrating sustainable development into the Clean Development Mechanism (CDM) of the Kyoto Protocol-Focus on Africa - A Climate Network Workshop for African Experts held on 27th-29th September 1999 at Hilton Hotel, Nairobi. Presented two Prototype Projects on Mass Transport and Non-Motorised Transport.
22. Annual Engineers Conference on the Role of the Engineer in Industrialisation at KICC, Nairobi 13th-15th November, 1996 Presented a Paper on Prospects and Constraints of Ecologically Sustainable Industrial Development in Kenya.
23. Workshop on Appraising Kenya's Urban and Regional Planning Policy and Development Strategies, Silver Springs Hotel, 14th-15th December. Presented a Paper on the Role of Air Transport System in Regional Development in Kenya, 1995.
24. Environment 2000 Conference on Kenya's state of the Environment United Nations Accommodation Centre, Gigiri, Nairobi, 23rd-27th October. Presented a Paper on the "Urban Transportation and the Environment. The Case of Nairobi, Kenya".

INTERNATIONAL REFEREED JOURNAL EDITORSHIP:

- World Review of Intermodal Transport Research, Indescience, USA.

MEMBERSHIP IN PROFESSIONAL ORGANISATIONS:

1996 to-date	:	Member of Eco-tourism Society of Kenya
1996 to-date	:	Member of National Transport Forum
1995 to-date	:	Member of Eastern Africa Environmental Network
2014-	:	Member, Environmental Institute of Kenya (EIK)

CONSULTANCY AND PROFESSIONAL SERVICES:

- Prepared a research paper titled ‘The China-Africa infrastructure cooperation: reflections on the Standard Gauge Railway (SGR) in Kenya and the East African Region’ which formed basis for breakout sessions in the just concluded Seminar on China-Africa infrastructure cooperation organised jointly by the African Economic Research Consortium (AERC) and Chinese Embassy of the People’s Republic of China in Nairobi, 24th -26th June 2018.
- Involved in the Maasai Mara Research challenge for the next 20 years (2015-2035), a joint research project involving five Universities in Kenya (Maasai Mara and University of Nairobi) and Aarhus University in Denmark. Project is funded by EU and Danish Universities. One of its major components is impact of climate change in the Mara ecosystem especially on tourism and wildlife management. I am the main researcher in that area.
- Carrying out research on climate compliant tourism development in Kenya using own resources.
- Team Leader for the development of methodologies and tools for assessing climate change risks in Agriculture in ASALS, Kenya for the Ministry of Agriculture and Irrigation.
- Team Leader for the preparation of Environmental and Social Management Framework (ESMF) for the Ministry of Devolution and Planning (2016).
- Team Leader for Environmental and Social Assessment (ESA) in 21 counties in Kenya for the Kenya Agricultural Productivity and Agribusiness Project (KAPAP), Ministry of Agriculture and Irrigation (2015).
- Supervising masters projects .on climate proofing in transportation in Kenya.
- Undertook a joint EIA Scoping study on Thika Highway with the Centre for Sustainable Urban Development of Earth Institute, Columbia University (2013)
- Has been involved in many EIA and Audit projects involving bore holes, hotels etc For example, carried out Environmental audit for Mr. John G.Kiburi’s New Site Bar and Restaurant in Umoja II in July 2011 and another audit for Mr. David N. Ngoi’s Hotel in January 2012.

- Involved in Curriculum Review Project on Sustainable Tourism in East Africa as part of ACP-EU EDULINK Programme funded by European Union (2007).
- Carried out consultancy work on country assessment study on implementation of COMESA Transit Transport facilitation instruments in Kenya (2007). The findings of the study were presented in a stake-holders workshop held in December 2007 in Hilton Hotel, Nairobi.
- Team leader of a Study on Quantification of Non-Tariff Barriers and Cargo Diversion along the Northern Corridor, for Technoserve Inc., 2002, funded by USAID. The study identified various Non-Tariff Barriers such as cumbersome customs clearance procedures at the border posts and numerous road blocks.
- Undertook a Study on Air Transport as a Mode of Transport for Regional Trade in East Africa, for Technoserve Inc., 2001, funded by USAID. The findings of the study were presented to a peer review workshop in Nairobi Safari Club.
- Undertook a Study on Improving Railway Transport in Kenya: Policy Options and Achievements to date, for Technoserve Inc., 2000, funded by USAID. The findings of the study were presented to a peer review workshop in Nairobi Safari.

REFEREES

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