

## 1. Personal Information

**Name:** Prof. plan. Caleb Mireri, (Dr. phil.)

Sex: Male

Citizenship: Kenyan

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## 2. Preamble

Prof. Mireri is currently an Associate Professor in the Department of Environmental Planning & Management, Kenyatta University having joined the Department as a Tutorial Fellow in 1993. Before joining academics he served as a Physical Planner with the Kenya Government. He is a holder of Dr. phil. (Geography, Economics and Sociology) from the University of Duesseldorf, Germany; Master of Arts in Planning and Bachelor of Arts (Economics & Geography), both from the University of Nairobi. He is a registered and licensed Physical Planner with Physical Planners Registration Board, Kenya. He is also a Fellow of Kenya Institute of Planners and a member of Environment Institute of Kenya. In addition, he is a registered and licensed Lead EIA/EA Expert with Kenya's National Environment Management Authority. He has experience in working for the Kenya Government including World Bank funded projects, the private sector, international agencies including UN as well as local and international NGOs. He has work experience in most parts of Kenya as well as Uganda and Tanzania. His work experience include policy analysis, policy preparation, project evaluation, as well as preparation of spatial plans, physical development plans, strategic plans, local level action plans. Prof. Mireri is actively engaged in research evidenced by publications in refereed journals and books on topical issues, especially in planning, environmental management and natural resources management. He has also served as Chief Examiner of Physical Planners Registration Board (professional examination), External Examiner of Universities: Nairobi, Moi, Maseno, Jaramogi Oginga Odinga, Pwani, JKUAT, etc.

## 3. Qualifications

### a. Academic qualification

1995 – 2000: Duesseldorf University – Germany. (Ph.D. Major subject: Geography and minor subjects: Economics and Sociology), April 2000.

1990 – 1992: University of Nairobi, Kenya. (Master of Arts Degree - Planning)

1986 – 1989: University of Nairobi, Kenya. (Bachelor of Arts Degree - Economics & Geography, Second Class Honours Upper Division).

### b. Professional courses

Nov 28. – Dec. 02.12.2022: Training on Land Value Capture, by Institute of Human Settlement Studies, The Netherlands, (in Mombasa City, Kenya).

05.05. – 08.05.2015: Training on Impact Evaluation, Nairobi, Kenya, Organized by the World Bank & APHRC

15.06.11 – 19.06.2011: Training of Trainers: SCP Teaching Guidelines organised by IHS/UN – HABITAT/IGS, Nairobi

12.08.07 – 24.08.07: Sustainable Communities Course (7 ECTS) – Bridging the gap between Research and Action, organised by Helsinki University of Technology, Finland in collaboration with UNEP and UN-HABITAT

03.09 – 14.09.07: Groundwater Quality and Rural Water Supply, organised by Water and Environment Institute, University of Siegen, Germany in collaboration with DAAD, 12.04 - 24.04.2005: Topics on Integrated Watershed Management, organised by Water & Environment Institute, University of Siegen, Germany in Collaboration with DAAD

#### **4. Employment History/work experience**

1. Associate Professor, Dept of Environmental Planning & Management, Kenyatta University, since November 02, 2012
2. Chairman, Department of Environmental Planning & Management, Kenyatta University, August 2, 2013 – August 01, 2017
3. Senior Lecturer - Department of Environmental Planning & Management, Kenyatta University, July 2003 – November 2012. Teaching and research covers: urban and regional planning; environmental planning & management, environmental economics & Research Methods.
4. Lecturer - Department of Environmental Planning & Management, Kenyatta University, October 1994 – July 2003.
5. Tutorial Fellow - Department of Environmental Planning & Management, Kenyatta University, April 1993 – October 1994
6. Deputy Physical Planning Officer, Nyanza - Ministry of Lands, Settlement and Housing, (August 1992 – April 1993)
7. Physical Planning Officer, Kisii/Nyamira Districts, February 1990/September 1990.
8. Primary School Teacher - Teachers' Service Commission (January 1985 – April 1986).

#### **5. Honorary positions/consultancy**

- A member of the International Jury on the Global Award for Sustainable Development in Cities (Shanghai Award), in Shanghai, China, from 8-9 September 2023.
- Project Planner, Planning, Surveying & Preparation of RAP for 5 informal settlements in Nairobi City County, Nakuru County and Mombasa City County, Kenya, February 2019 – November 2019.
- Team Leader/Principal Consultant, Planning & Surveying of 5 informal settlements in Nyeri County, Client, Kenya Informal Settlement Improvement Programme, Ministry of Transport, Infrastructure, Housing and Urban Development, May 2017 – May 2018.
- Team Leader/Principal Consultant, Planning & Surveying of 8 informal settlements in Nyeri County, Client, Kenya Informal Settlement Improvement Programme, Ministry of Transport, Infrastructure, Housing and Urban Development, April 2016 – April 2017.
- Team Leader/Principal Consultant, Capacity Building Needs Assessment of Physical Planning Department, Ministry of Land, Housing & Urban Development, May – June, 2015.
- Consultant for DFID, Kenya on Sustainable Urban Economic Development in Kenya (October/Nov 2014).
- Principal Consultant/spatial planner, Mapping and Spatial Planning of Iten Town, Elgeyo Marakwet County, October 2014 – June 2015, by EcoVision Consultants.
- Lead EIA Expert, for NKN Ltd, Preparation of ESIA Study Report for Ethanol Plant, Proponent - Sony Sugar Co Ltd, March/May 2014.
- Consultant for Laikipia Wildlife Foundation under SADKTA, Preparation of Laikipia County Forest Conservation Strategy, March/June 2013.

- Team Leader/Principal Consultant, preparation of Integrated Plan for Mandera Town, Ministry of State for the Development of Northern Kenya and other arid Lands, Dec 2011 – July 2012
- Urban Expert, Preparation of Sessional Paper No 6 of 2016 on National Urban Development Policy for Kenya (Office of the Deputy Prime Minister and Ministry of Local Government, Department of Urban Development, June 2011 – April, 2012). (As part of the policy preparation process, we made study tour of Curitiba City, Brazil to appreciate the urban governance and management).
- Analyst for KIPPRA on *A status report on development issues in northern Kenya and other arid lands* (environment and human settlements component), June/July 2009.
- A member of *National Land Policy Formulation Programme, Legal Framework Thematic Group*, Convenor of Land Management Subgroup (written two topical land policy papers: (1) Environmental Management and (2) Natural Resource Exploitation and Conservation, September 2004/05.
- Chairman of *Technical Advisory Committee on Environmental Impact Assessment and Audit* - National Environment Management Authority from March 2004 – June 2005.
- The Vice-chairman, Kenya Institute of Planners (professional body of urban and regional planners), 2005/06.
- Training Consultant for UN-HABITAT/IGS/IHS on *Environmental Planning and Management*, September 27 – October 01, 2010, held at Cooperative College, Kenya
- Consultant for Bushland Ltd on *Agricultural and Economic Viability of geotrofa in Kilifi District, Kenya* June/August, 2010
- Consultant for Nature Kenya on *Conservation Master Plan and Action Plans for Tana Delta*, March/April, 2010
- Training consultant for WWF – Kenya during a one week course on *sustainable development and strategic environmental assessment*, June 2010
- Consultant for WWF-EARPO on *Economic Opportunities for Women and Youth in the Mara Catchments*, June/July 2009.
- Consultant for KIPPRA on *A status report on development issues in northern Kenya and other arid lands* (environment and human settlements component), June/July 2009.
- Consultant for UNDP/Nature Kenya on *Protected Areas Planning, Management and Institutional Development in Western Kenya* (April-September, 2009)
- Facilitator – City Development Strategies for improved Urban Environment and Poverty Reduction - Programme Review, UN-HABITAT/SIDA programme, April 6 – 7, 2009
- Consultant for Lake Victoria Region Local Authorities Commission on *The Review of City Development Strategies*, March/April 2009
- Facilitator Kisumu Integrated Sustainable Waste Management Project (KISWAMP) review, funded by UN-HABITAT, February 12, 2009
- Consultant for IDRC on *Review of Research Proposals on Urban Vulnerabilities to Climate Change in Africa*. January, 2009.
- Consultant for Practical Action (Intermediate Technology Development Group Ltd – Eastern Africa) on *Municipal Solid Waste Management Policy for Kenya*. Jan 2009, ongoing.
- Consultant for WWF-EARPO on *Governance in the Forestry Sector. Dec – January, 2008*.
- Consultant for World Agro-forestry Centre (ICRAF) on *Preliminary Audit of Sasumwa Catchment, Central Province, Kenya. November 2008 – January 2009*.
- Consultant for WWF – EARPO on *Climate Change Adaptation Strategies and Capacities of Local Communities around Freshwater Ecosystems in Eastern Africa. July – Nov. 2008*.
- Facilitator during *Sustainable Communities Course*, Asian Institute of Technology, Bangkok, Thailand, August 11 -22, 2008, organised by UN-HABITAT & UNEP.
- Consultant for UN-HABITAT on *Integrated Solid Waste Management Strategy for Improved Urban Environment and Poverty Reduction in Nairobi City*. October-November, 2008.
- Lead consultant for WWF-EARPO on the *Strategic Environment Assessment, Mara River Basin (Kenya/Tanzania)*. January 2008 – June, 2009.

- Physical Planners Registration Board examiner on ‘*Environmental Planning, Management and Resource Use Practices*’ (2007/09)
- Lead Consultant for Nature Kenya, on the *Economic Valuation of the Proposed Tana River Integrated Sugar Project in Tana River and Lamu Districts, Kenya*. March – April 2008.
- Consultant for FAO – UN, Nairobi office, *National Policy Analyst, Integrated Natural Resource Assessment (Natural Resource Management)*, May/June, 2008
- Consultant for International Fund for Animal Welfare (IFAW) on the *Evaluation of IFAW’s Meru Conservation Area Project and Development of a Habitat Restoration/Rehabilitation Model* (April/June 2007).
- Chairman, Conflict Resolution Meeting between Ministry of Water & Irrigation & National Environment Management Authority on *Water Quality Regulations Legal Notice No. 120 of 2006* (March 14-15, 2007 in Nairobi).
- Consultant for German Technical Co-operation on *Documentation of Best Practices on Integrated Watershed Management of Bwathanaro Sub – Catchment, in Nyambene District, Kenya* (February/March, 2007)
- Resource person during the Lake Victoria City Development Strategy Expert Group Meeting, 29 – 30 January 2007 Organised by UN-HABITAT.
- A facilitator during the “*Regional Partners Meeting on Integrated Solid Waste Management (ISWM) in the Lake Victoria Region*” (September 2006).
- Chairman, Conflict Resolution Meeting between Ministry of Water & Irrigation & National Environment Management Authority on *Water Quality Regulations Legal Notice No. 120 of 2006* (March 14-15, 2007 in Nairobi).
- A consultant for International Union for the Conservation of Nature on ‘*Assessment of Status and Trends of Natural Resource Use*’ – The Drylands Livestock Environment Interface Project, July – September 2006.
- UNHABITAT consultant on *Mid-Term Review of Localising Agenda 21 on Sustainable Urban Development and Environmental Management - Nakuru Municipality Kenya*, November 2005-January 2006.
- Aga Khan Foundation Consultant on *the Integration of Environmental Concerns in the Coastal Rural Support Programme*, Dec 2005– January, 2006.
- Chairman of the task force on *Land Use Planning & Management and Environmental Impact Assessment Thematic Group* on National Housing Bill Formulation, Ministry of Lands and Housing (2005/06).
- A member of *National Land Policy Formulation Programme, Legal Framework Thematic Group*, Convenor of Land Management Subgroup (written two topical land policy papers: (1) Environmental Management and (2) Natural Resource Exploitation and Conservation. Since September 2004/05.
- The Vice-chairman, Kenya Institute of Planners (professional body of urban and regional planners), 2005/07.
- Consultant on *Pathways for Industrialisation of Kenya* with Kenya Institute of Public Policy Research and Analysis September 2004 - June 2005.
- Consultant on *Better Access to Water in Informal Settlements of Nairobi City, Kenya through support to Water - Providing Enterprises* for Intermediate Technology Development Group (Nov. 2003-February 2004).
- Chairman of the task force on *State of Environment Report for Kenya 2003 – Population, Human Settlement and Poverty Alleviation* (National Environment Management Authority).
- A member of the task force on *Land use Regulations, Guidelines and Standards for Environmental Management and Co-ordination Act - 1999*, (Representing Kenya Institute of Planners).
- Consulting Assistant - *Sustainable Development of Community-based Nyakairu Water Project, Laikipia District* (1994/95).
- Consulting Assistant – Socio-economic Evaluation of Minor Roads Programme, Management Centre, Nairobi, Oct – Dec, 1989

## 6. Postgraduate supervision

### **Successful postgraduate supervision - Ph.D.**

1. Assessment of Implications of Biodiversity Conservation on food Security around Volcanoes National Park, Rwanda, by Madeleine Nyarituza, (finished in January 2013, graduation – July 2023)
2. Petroleum Oil Exploration and Sustainable Environmental Management in South Lokichar Basin, Turkana County, Kenya, by David Mugendi, 2020
3. The influence of spatial design on the utilization of urban parks in Nairobi City, Kenya, by Stella Mbithi, JKUAT, 2020
4. Determinants of Active Transport Among 10 Year Old School Children in Nairobi City County, Kenya, by Silvester Hyker, 2020
5. Contribution of Motorcycle Transport to Safety and Income in Busia, Kakamega and Thika Municipalities, Kenya, by Godwin Opinde 2019
6. The role of development – led urban patterns in configuration of flood risk in Kisumu City, Kenya, University of Eldoret, by Laji Adoyo, graduated in December 2017
7. Effects of the School Physical Environment on Academic Achievement in Selected Secondary Schools in Nairobi City, Kenya, by Paul Aloyo, graduated in August 2017
8. Implications of Highway Development on land use, land values and livelihoods along the Northern Bypass, Kiambu County, by Catherine Gateri, graduated in August 2017
9. An assessment of Disaster Risk Preparedness at Airports: A case study of Wilson Airport, Nairobi City County, by Paul Kanyi, graduated in August 2017
10. The Impact of Geopolitics on Green Space in Nairobi City. Victor Ikawa, graduated in July 2015
11. Assessment of Potential of Life Cycle Management System on Project Performance in the Building Industry in Abuja, Nigeria, Dr Usman Napoleon, graduated in July 2015
12. The Role of Spatial Planning in the Environmental Management of Public Spaces of Residential Neighbourhoods in the City of Nairobi, Kenya, by Michah Makworo, (JKUAT), graduated in December 2012
13. The Impact of Participatory Natural Resource Management on Forest Integrity & Livelihood Systems in Kenya: A case of Arabuko Sokoke, Ph.D. study, by Paul Matiku, Kenyatta University, graduated in June 2012
14. Environmental Planning & Management of Lake - City Interface: A case of Kisumu Municipality. Ph.D., Moi University, School of Environmental Studies, by Patrick Hayombe, graduated in Dec. 2010

### **Successful postgraduate supervision - Msc**

1. Impacts of Land Use Change on Ecosystem Services in Saiwa Wetlands, Trans Nzoia County, Kenya, by Deng Rebecca Awuor, 2018
2. Socio – Economic Effects of Traffic Congestion Along Jogoo Road, Nairobi City County, Nairobi, by Mercyleen Nkatha Ndatho, 2018
3. Investigation of Public Open Spaces in Machakos Municipality, Machakos County, Kenya, by Mathias Loki Mutisyia 2017
4. Active Transport Among School Children in Buru Buru and Githurai Neighbourhoods, Nairobi County, by Everlyne Amile, 2015
5. Potentials for the Development of Public Recreational Parks – Machakos Town People’s Park, by Ambrose Ofaa Omondi 2016
6. Research project titled ‘An Assessment of the Potential for composting of organic Municipal Solid Wastes in Nairobi City, Kenya’, by Gabriel Eloto, Dec 2014
7. Research project titled ‘Investigation of the Challenges in Provision of Adequate Housing in Bondeni Neighbourhood, Nakuru Municipality, Nakuru County, by Kanani, John, Dec 2014
8. Research project titled ‘Effects of ribbon development on urban form and function: A case of Ongata Rongai town, Kajiado County’, by Ekajul, Sylvia, Dec 2014

9. Research project titled 'Assessing Water Demand and Supply in Industries and Commercial Enterprises: A case study of Athi River Town, Machakos County, Odongo, Jaoko, Dec 2014
10. Research project titled "Institutions of Higher Learning as Drivers of Urban Development: A case study of University of Eastern Africa, Baraton, by Okongo Herbert, Dec 2014
11. Research Project titled 'Nexus between Environmental Security and Solid Waste Management: A case of Study of the Kenya Defence Forces. By Wando, David, Dec 2014
12. Strengthening Adaptive Capacity to Climate Change: Participatory Infrastructure Planning in Kibera – Silanga, Gerald Muriuki, June 2013
13. The role of indigenous knowledge systems among the Samburu Pastoral Community in the Conservation of Gravy Zebra in Kenya, by Gordon Ocholla, Dec, 2012
14. An evaluation of the site and service scheme approach to low income housing: A case study of Dandora project, Nairobi City, Kenya, Caroline Kabilu, Dec 2012
15. Conservation of Indigenous Medicinal Plants among the Samburu Pastoral Community in Kenya, Master of Environmental Planning & Management, (Master of Environmental Planning & Management Research Project) by Samson Omondi, graduated in Dec 2011
16. Sustainable management of solid waste in fast food outlets: A case study of Nairobi Central Business District, (Master of Environmental Planning & Management), by Anne Waithera, graduated in Dec, 2011
17. Provision of water and sanitation in informal settlements: A case study of Laini Saba, Kibera, Nairobi, (Master of Environmental Planning & Management), by Sophie Kamau, graduated in Dec 2011
18. Assessment of the household management of domestic solid waste in the informal settlements: a case study of makina area, Kibera division, Nairobi City, Msc. Thesis, by Catherine Mwangi, Msc, graduated in June, 2011
19. Enhancing Socio – economic and Ecological Benefits of Peri – urban agriculture in Nairobi, Kenya. Msc Thesis, Maingi, M.N. Msc Thesis, graduated in June 2011
20. Assessment of actors and their contribution to solid waste management in Eldoret municipality, (Master of Environmental Planning & Management Research Project), by Opinde Godwin Omondi, graduated Dec. 2010.
21. Assessing the Viability of Landfill Technology for Solid Waste Management in Nairobi City, Kenya by Thaithi, Catherine, Master of Environmental Planning & Management, 2008.
22. Gender Issues in Water Supply and Management in Mutito Division, Kitui District, by J. K. Wambua (Master of Arts Thesis in Sociology, 2008.
23. Assessment of the opportunities and challenges of infrastructure and service delivery in Kianda area, Kibera Slum Settlements, Nairobi. Msc Thesis, by Mwikali, 2008
24. Assessment of the Effects of Habitat Transformation on the Nairobi National Park and Kitengela Ecosystem' Msc thesis, 2008
25. The Effects of Unauthorised House Extensions on the Management of Buru Buru Neighbourhood, Nairobi City, (Master of Environmental Planning & Management Research Project – 2007, by D. K. Kanja)
26. The Impact of Mwea Irrigation Scheme on the Development of Wang'uru Town, Kenya (Master of Environmental Planning & Management Research Project – 2007, by J. W. Kagai)
27. Evaluation of Natural Building Stones for Sustainable Housing in Juja Location, Thika, Kenya (Master of Environmental Planning & Management Research Project – 2007, by D. K. Kirimi)
28. An Evaluation of the Grazing Systems and their Implications on the Emerging Community Wildlife Conservancies in Samuburu District, Kenya, (Master of Environmental Planning & Management Research Project – 2007, by S. Machan)
29. Integrating Hawking in the Urban Governance, Planning & Management in Nairobi Central Business District, (Master of Environmental Planning & Management Research Project – 2007, by D. Muigai)
30. Challenges and Opportunities for Slum Upgrading in Mathare 4A, Nairobi, by Erastus Gitari Njeru, (Master of Environmental Planning & Management Research Project - 2005).
31. Management of Open Spaces in the City of Nairobi: A Case of City Park, by Micah Makworo, (Master of Environmental Planning & Management Research Project - 2005).
32. Assessment of Tenant – Purchase Housing Service Delivery in Komarock Estate Nairobi, by Patrick Mugo Karugo, (Master of Environmental Planning & Management Research Project - 2005).

33. Development and Maintenance of Urban Services in Nyamira Town, by Samuel Abaya, (Master of Environmental Planning & Management Research Project - 2005).
34. Conservation and Management of Historic Buildings in Nairobi: Status and Challenges, by Munala Gerrysom, Master of Environmental Planning & Management Research Project, 2004.
35. Social Determinants of Road Traffic Accidents Along Nairobi Thika Highway, by Kenyanitto Toure, (Master of Environmental Planning & Management Research Project - 2003).
36. Institutional Capacity of Kipsigis County Council in Rural Poverty Alleviation, by Mr. Isaac Kirui, (Master of Environmental Planning & Management Research Project - 2003).
37. Sustainable Wildlife Management in Nairobi National Park, by C. Mango, (Master of Environmental Planning & Management Research Project - 2003).
38. Planning and Management Problems in Small Urban Centres in Kenya: A case of Nyansiongo Town, by Mr Felix Ming'ate, (Master of Environmental Planning & Management Research Project 2002).
39. Public Private Partnership in Solid Waste Management in Webuye Town, by Ms Caroline Kundu, (Master of Environmental Planning & Management Research Project 2002).
40. Planning for Service Provision in Peri-Urban Areas of Eldoret Municipality, by Mr. Sammy Letema, (Master of Environmental Planning & Management Research Project - 2002).

#### **Ongoing postgraduate supervision: Ph. D.**

1. Portable Water and Sanitation Services Delivery in Kisumu City; Assessment from the Users' Perspective, by Gordon Ocholla (Has already defended, awaiting graduation in December 2023)
2. Urbanization and its Impact on Infrastructure and Services in Lokichar Town and Peri – Urban Centres, Turkana County, by Mark Ewesit Ewoi
3. Access to Public Open Spaces among Children in Nairobi City County, Kenya, by Everlyene Amile
4. Sustainable Green Interior Design Practice in Kenya's Commercial Buildings for Undergraduate Curriculum Framework, by Oduho Achieng Rose

#### **Ongoing Supervision (Master of Environmental Planning & Management)**

1. Assessment of Recreational Public Open Spaces Management in Kisii Municipality, Kisii County, Kenya by Judith Nyabuto
2. Land Cover Changes and their Impacts on Soil Erosion and Agricultural Landscapes in Keekonyokie-Suswa Area, Narok County, Kenya, by Lucas Kipchirchir Tanui
3. Modern Breeding Practices and their Implications on Milk Production amongst Small Scale Farmers in Engineer Ward, Nyandarua County, by Martin Ngatia Mwangi
4. Impact of Universities on Urban Development in Kenya: A case of Kwa-Vonza Town, Kitui County, by Benjamin Kalungu

#### **6. Conferences/seminars/workshops**

##### **1. Participation/attendance of conferences/workshops**

1. Attended the 3<sup>rd</sup> Symposium on Climate Change Adaptation in Africa “Strengthening the capacity of African countries to handle the challenges of a changing environment”, 23<sup>rd</sup> – 24<sup>th</sup> January 2020 at the University of Nairobi
2. Presented a paper titled “*The role of sport in achieving the Sustainable Development Goals*”, during World Under 18 Athletics Championships Pre-games International Symposium – “Enhancing Youth Sports for Good Health & Well – being”, held at Kenyatta University, 10 – 11 July 2017, organized by Kenyatta University.
3. Presented a paper (jointly by Prof. Vincent Onywera) titled “*Spatial configuration, attractiveness and physical activity in Nairobi County, Kenya*”, during the 2<sup>nd</sup> International Conference on Physical Activity and Sports for Health and Development in Africa, 21<sup>st</sup> – 23<sup>rd</sup> September, 2016

4. Presented a paper (jointly by Prof. Vincent Onywera) titled "*The interplay between policy and institutional framework on public open spaces and active transport in Kenya*", during the 2<sup>nd</sup> International Conference on Physical Activity and Sports for Health and Development in Africa, 21<sup>st</sup> – 23<sup>rd</sup> September, 2016
5. Attended *Climate Impacts Research Capacity Leadership Enhancement (CIRCLE) for supervisors and mentors Workshop*, held at Africa Academy of Sciences, Nairobi, 17 – 19 May, 2017, organized by CIRCLE & African Academy of Sciences
6. Attended "*Impact Evaluation Research Workshop*", Nairobi Kenya, May 5 – 8, 2016, organized by APHRC & World Bank.
7. Attended "East African Scholars Initiative" meeting, organized by National Socio-Environmental Synthesis Center (SESYNC) in Annapolis, Maryland University, USA, November 9-13, 2015
8. Attended a national conference on "*Urbanization and Planning in the context of Devolved Governance systems in Kenya*" organized by Kenya Institute of Planners 2<sup>nd</sup> – 5<sup>th</sup> December 2015, Machakos, Kenya
9. Attended a national conference on "*Second Conference on Planning Under Devolved System of Government in Kenya*", held in Kisumu City, 27 – 28 November, 2013.
10. Attended International Conference on and jointly presented (Dr. Vincent Onywera) a paper titled "*Non – communicable disease prevention in Africa: Challenges & opportunities for increasing physical activity levels and active transport in Kenya*", during 13<sup>th</sup> World Congress on Public Health 'Moving towards Global Health Equity: Opportunities Threats', 23 – 27 April, 2012, in Addis Ababa, Ethiopia, organized by IDRC.
11. Attended a *Regional Consultation Meeting on the Development of the Global Climate Change Adaptation Network in Africa*, January 19 - 20, 2009, organized by UNEP, UN Complex, Nairobi, Kenya.
12. Attended a MESA International Conference on *Environment, Development and Climate Change: Universities Responding*, held on 24 – 28.08, in Nairobi, organised by UNEP.
13. Attended a workshop on *Access to Useful Services Workshop*, held in Nakuru Municipality, organised by Practical Action. November 28, 2008.
14. Attended a scientific workshop on *Strengthening Scientific Output – Socio-economic Instruments and PROACT*, organised by Partnership for Research on Viable Environmental Infrastructure, at Arusha, Tanzania, 6 – 8.10.2008
15. Attended a National Workshop on *Integrated Approaches to Urban Development*, Nairobi. 7-8 December 2005 organised by Intermediate Technology Development Group.
16. Attended a workshop on *Reinvigorating University Mandate in a Globalising World: Challenges, Obstacles and the way forward*, 26-27.05.2005, at Kenyatta University, organised by German Academic Exchange Service and Kenya DAAD Scholars Association
17. Attended regional workshop on Lake Victoria Research Initiative, 18.05 - 19.05.2005, at Arusha Tanzania, organised by Inter-University Council for East Africa
18. A resource person during an Integrated Environmental Management Workshop - Sensitisation of Policy Maker and Chief Officers of Nakuru Municipality, May 2005 at Naivasha, organised by Intermediate Technology Development Group.
19. Attended a Stakeholder Workshop on Nairobi Urban Transport Study, Nairobi (September 2004).
20. Attended a Regional Workshop on Environmental Impact Assessment Guidelines on Shared Ecosystems of East Africa, Arusha Tanzania – August 2004.
21. Attended a workshop on State of Environment Report for Kenya, organized by National Environment Management Authority (in Embu - 2003).
22. Attended a workshop on Land Use Regulations, Guidelines and Standards for Environmental Management and Co-ordination Act – 1999, organized by National Environmental Management Authority (in Nakuru - May 2003 and in Nyeri - September 2003).
23. Attended a workshop on Developing a Strategy for Environmental Education for Sustainability in Kenya, jointly organised by National Environmental Management Authority and Kenya Organisation for Environmental Education, July 2003.
24. Attended Urban Rivers Symposium in Nairobi on Sustainable Environmental Planning and Management of Urban Rivers, organized by United Nations Environmental Programme, May 2003.

25. During an International Workshop on Urban Policy Implications on Enhancing Food Security in African Cities (May 27-31, 2002 in Nairobi) I presented two papers: 1. The Implications of Urban Planning & Management on Urban Agriculture in Kenya and 2. Credit & Investment in Urban Agriculture in Kenya.
26. A facilitator during the Seventh Africa Training Course on Local and Regional Development Planning and Management (October/November 2001) organised by the United Nations Centre for Regional Development, Africa Office.
27. A facilitator during the Sixth Africa Training Course on Local and Regional Development Planning and Management (October/November 2000) organised by the United Nations Centre for Regional Development, Africa Office.

## 2. Presentation of papers in academic and professional conferences

1. Co-presented a paper titled '*Non – communicable disease prevention in Africa: challenges and opportunities for increasing physical activity levels and active transport in Kenya*', during 13<sup>th</sup> World Congress on Public Health: Towards Global Health Equity: opportunities and threats, 23 – 27.05.2012, Addis Ababa Ethiopia.
2. Presented a paper titled '*Challenges and Possibilities of Ecologically Conscious Technologies in Africa: A Case of Kenyan Environmental Governance*', during a Symposium and Peace Building, Hekima College, Nairobi, March 5 – 7, 2012.
3. Presented two papers jointly with my postgraduate students (*Assessment of the opportunities and challenges of infrastructure and service delivery in Kianda area, Kibera Slum Settlements, Nairobi.* (Mwikali & Waswa) and *Assessment of the Effects of Habitat Transformation on the Nairobi National Park and Kitengela Ecosystem* (Wanja and Waswa) during the National Environment Conference on *Conserving and Managing the Environment for Sustainable Livelihoods*, held on 19-21 May 2008 at Kenyatta University
4. Presented a paper titled '*Climate Change Adaptations among selected rural communities in the freshwater ecosystems in East Africa*' during the African Climate Change Fellowship Program round 1 culmination Conference, 8 – 10 December, 2010, held at Le Meridien President, Dakar, Senegal.
5. Presented a paper titled '*Socio-economic Impact of Community Based Wildlife Conservation in Samburu District, Kenya*, during a Scientific Workshop on Sustainable Natural Resource Management, held in Naivasha, organised by National Centre for Competence in Research North – South Programme hosted by CETRAD, (15 – 16.12.08)
6. Presented a paper titled '*Development of Environmental Protection Concepts*' during Fifth training course on Industrial Waste Water Management for Agro-based and allied Industries and Local Authorities, held in Kisumu Municipality, organised by Osianala, May 25 – June 06, 2008.
7. Presented a paper titled '*The Potential Impacts of Human Settlement on Groundwater Quality: A case study of Kisumu Municipality, Kenya*, during a Summer School on Groundwater Quality & Rural Water Supply. Organised by Siegen University, Germany, September 03 – 15.2007
8. Presented a research paper on *Socio – economic Impact of Wildlife Conservation* during a Regional Workshop on Dryland Ecosystems: Challenges and Opportunities for Sustainable Natural Resource Management, (Arusha Tanzania, June 2006).
9. Attended a two-weeks training on Topics of Integrated Watershed Management at Siegen University, Germany (12.04 - 24.04.2005). During the training a presented a paper titled *Challenges Facing the Conservation of Lake Naivasha, Kenya*.
10. Presented a paper titled "*Environmental Planning and Environmental Impact Assessment*" during the 12<sup>th</sup> Africa Training Course on Local & Regional Planning, (February 22, 2007), Juja, organised by United Nations Centre for Regional Development
11. Presented a paper titled "*Emerging Issues on Sanitation and Solid Waste Management in East Africa*, during a workshop on Partnership for Research on Viable Environmental Infrastructure in East Africa at Wageningen University, Netherlands November 30<sup>th</sup> /December 12, 2006
12. Presented a paper titled *Land and Water User Conflicts, Population Structure and Growth in the Bwathonar Watershed Nyambene Hills, Meru North District, Kenya* during the '2006 Meru Summer School on Integrated Watershed Management', July 2006

13. Presented a paper titled *Theoretical and Empirical Dilemma of Industrialisation* during 2005 Jomo Kenyatta University of Agriculture and Technology Scientific, Technological and Industrialisation Conference at JKUAT, Nairobi, 27-28.10.2005.
14. Presented a paper on *'The Nexus between Spatial Planning and Disaster Management'* during an International Workshop on Disaster Management at Makerere University, Uganda, September 12-13, 2005. Organised by Makerere University.
15. I presented a paper titled *'The Impact of Export Processing Zones on Industrial Development in Kenya'* during the Association of Third World Studies Kenya Chapter Conference between 17<sup>th</sup> and 19<sup>th</sup> September 2001 at Egerton University.

## 7. Convening and coordination of workshops/Conferences

1. Co-Chairman of Kenya Urban Forum Conference Preparation Committee, held in Lake Naivasha Resort, Naivasha Municipality June 13 – 16, 2023
2. Co – Chairman of the preparatory committee on National Conference on Solar Electronic Waste in Kenya, September 14, 2023, La Mada Hotel, Nairobi
3. Participated in the organisation of National Environment Conference on *Conserving and Managing the Environment for Sustainable Livelihoods*, held on 19-21 May 2008 at Kenyatta University
4. Organised an international workshop on *Partnership for Research on Viable Infrastructure Development in East Africa* (involving Kenyatta University, Wageningen University, Makerere University and Ardhi University, held in Sunset Hotel Kisumu, 21 – 23, Nov 2007.
5. Organised a Stakeholder Workshop on the Africa Network for Ecological Modernisation of Urban, Nairobi, September 2004, AVU Hall, Kenyatta University.

## 8. Research and publications

### 1. Articles in refereed journals – international journals

1. Co – author (Oduho, R. A., Vikiru , G., & Mireri , C) *Assessing the sustainability content in Kenya's interior design curricula*. Journal of Pedagogy and Curriculum (JPC), 1(1), 1–13. <https://doi.org/10.51317/jpc.v1i1.237>, 2022
2. Co – author (Oduho, R. A., Vikiru, G., & Mireri, C.) *Users' awareness and perceptions of green building in Kenya*. Journal of Environmental Sciences and Technology (JEST), 1(1), 28–36. <https://doi.org/10.51317/jest.v1i1.232>, 2022
3. Co-author (Gordon Ocholla & Sammy Letema) *"Socioeconomic determinants of water delivery satisfaction in a medium sub-Saharan Africa city: A case of Kisumu, Kenya"*. Water Supply Vol 22 No 12, 8682 doi: 10.2166/ws.2022.388
4. Co – author (Mugendi D. & Muraya, M) *"Review of environmental governance in oil and gas exploration fields in Kenya: analysis of constitutional, environmental policy, legal institutional framework and management practices in South Lokichar Basin, Turkana County"*. Int. J. Environmental Policy and Decision Making, Vol. 3, No. 2, 2022, 97.
5. Author of a scientific article titled *'Environmental and Public Health Risk of Urban Agriculture in Kisumu City, Kenya'*. African Journal of Food, Agriculture, Nutrition and Development, Vol. 22 No 1. pp 19045 – 19087, 2022
6. Co – author (Stella K. Mbiti, M. Makworo) *"Level of Participation in Urban Parks within Nairobi City County, Kenya"*. *Africa Habitat Review Journal*. Volume 14, 1; pp 1711 – 1717; 2020
7. Co – author (Stella K. Mbiti, M. Makworo) *"Factors Influencing Diversity in Urban Park Utilization in Nairobi City County, Kenya"*. *Africa Habitat Review Journal*. Volume 14, 1; 2020; pp 1765 - 1772
8. Co-author (Dr. Paul Aloyo, Dr. Solomon Mwaniki, Dr. Peter Kamau and Dr. Dennis Karanja) *"Mainstreaming the School Physical Environment in Learning Institutions: The Case of Secondary Schools in Nairobi County, Kenya"* *International Journal of Current Research*. Vol. 12, 05, pp.11674-11683, 2020

9. Co – author (David Mugengi, Jacob Kibwage) “Assessment of heavy metals concentration in mud cuttings of reserve pit 7 in Twiga 1 well pad South Lokichar Basin relative to acceptable levels in drinking water”. *Journal of Biodiversity and environmental sciences*. Vol 15, 1. pp 87 – 94, 2019
10. Co-author (Adoyo Laji, Fatuma Daudi, Jeremiah Ayonga) “The Dual Pathways in the Process of Urban Development and their influence on Flood Damage in Kisumu City, Kenya” *International Journal of Scientific and Research Publications*. Volume 7, 10, 2017
11. Co – author (Paul Muthee Kanyi, Dr.P.K Kamau) Assessment of the security preparedness and adherence to international civil aviation standards at Wilson Airport, Kenya. *Journal of Humanities and Social Science*. Volume 21, Issue 6, Ver. 3 (June. 2016) PP 23-41.
12. Co – author (Dr C. Majale) Cooperation among small urban centres in the Lake Victoria Basin as a necessary strategy for managing solid waste: the case of Kisii, Homa Bay and Migori municipalities. *Int. J. Environment and Waste Management*. Vol. 13, No. 4, 2014; pp. 412 – 428
13. Author of a scientific article “Assessment of the Contribution of Urban agriculture to employment, income and food security in Kenya: A case of Kisumu Municipality”. *African Journal of Agricultural Research*. Vol 8(23), pp. 2884 – 2896, 2013
14. Co – author (Paul Matikua, Ogot Callistus) “The Impact of Participatory Forest Management on Local Community Livelihoods in the Arabuko-Sokoke Forest, Kenya”. *Conservation and Society*. 11(2): 112-129, 2013
15. Co – author (M. Makworo, B. O. Moirongo) “The effect of spatial planning on distribution of pedestrians in public places of residential neighbourhoods in Nairobi City. *JAGST*. Vol. 15(1) 2013
16. Co-author (Ocholla, G.O., Koske, J., Asoka, G. W., Bunyasi. M.M., Pacha, O. Omondi, S. & Mireri, C.) of a scientific article titled ‘Assessment of Traditional Methods Used by the Samburu Pastoral Community in Human Wildlife Conflict Management’, *International Journal of Humanities and Social Science Vol. 3 No. 11; June 2013*
17. Co – author of a scientific article (Matiku Paul, Ogot Callistus) “Does participatory forest management change household attitudes towards forest conservation and management?”. *African Journal of Environmental Science and Technology*. Vol. 6(5), pp. 237-346, 2012
18. Co-author “*Is participatory forest management (PFM) an asset or liability to local community households adjacent to Arabuko Sokoke Forest, Kenya?*”, *Journal of African Studies and Development*, Vol.4(3), pp 96-104, April 2012
19. Co – author of a scientific article titled “*Participatory Natural Resource Management: Policy and Institutional Framework*” (Part II), *Environmental Policy and Law, The Journal of Decision – Makers*, 41/6 (2011), pp 292 – 298;
20. Co – author of a scientific article titled “*Participatory Natural Resources Management: policy and institutional framework*”, (Part I), *Environmental Policy and Law, The Journal of Decision – Makers*, 41/4 – 5 (2011), 232 – 239;
21. Co – author of a scientific article titled “*The impact of participatory forest management on forest integrity and biodiversity in Arabuko-Sokoke forest, Kenya*”, *African Journal of Ecology*, pp 184 -192, 2011;
22. Corresponding author of a scientific article titled ‘*Public Open Spaces in Nairobi City - Kenya under Threat*’, *Journal of Environmental Planning & Management*, 2011, Vol. 54, No. 8 pp 1107-1125;
23. Corresponding author of a scientific article titled “*The Socio – economic Impacts of Community – based Wildlife Conservation in Samburu District, Kenya*”, *Hekima Journal of the humanities and social sciences*, Vol. V, Number 1, 2011, pp 80 – 94;
24. Corresponding author of a scientific article titled “*The Liberalisation of State – led Agriculture and its Implication on Rice Production and Growth of Wang’uru Town, Kenya*”. Vol. 1, No. 2010;
25. Lead author of a scientific article titled “*Environmental Risks of Urban Agriculture in the Lake Victoria Drainage Basin: A case of Kisumu Municipality*”. *Habitat International Journal*, 2007, Vol. 31/3-4 pp 375-386.
26. Author of a scientific article titled ‘*Private Investment in Urban Agriculture in Nairobi City, Kenya*’. *Urban Agriculture Magazine* No 7, 2002. [www.ruaf.org](http://www.ruaf.org).
27. Author of a scientific article titled, “*The Impact of Export Processing Zone Development on Employment Creation in Kenya*”, *Singapore Journal of Tropical Geography*, Vol 21 No. 2, 2000.

## **2. Chapters in books**

1. Co – author of a scientific article (Mireri, C. & Letema, S.) titled *Review of Environmental Governance in Kenya: Analysis of Environmental Policy and Institutional Frameworks* in African Political Economic and Security Issues: Kenya Political, Social and Environmental Issues, pp 153-165, New York: Nova Publishers. 2013
2. Co – author of a scientific article (Mireri, C. & Letema, S.) titled *Review of Environmental Governance in Kenya: Analysis of Environmental Policy and Institutional Frameworks* in Handbook of Environmental Policy, pp 371 – 380, ISBN No. 978 – 60741 – 635 - 7, Nova Science Publishers, ([www.novapublishers.com](http://www.novapublishers.com)) 2010
3. Author of (book chapter) titled ‘Irrigated Urban Agriculture in Kisumu Municipality, Kenya: Opportunities and Challenges’ in *Agricultural Irrigation Research Progress*. Eds Alonso, D. & Iglesias, H.J. Nova Science Publishers, 2008. ISBN 978-1-60456-579-9.
4. Author of a scientific article titled ‘Challenges Facing the Conservation of Lake Naivasha, Kenya’. *Weiterbildung Siegen, No 18 Vol. 3, Research Institute for Water & Environment, University of Siegen, Germany. DAAD Alumni Summer School 2005, Topics on Integrated Watershed Management.*
5. Lead author of a scientific article (Mireri, C., Letema, S. & Majale, C.) (book chapter) Water and Sanitation Service Delivery in Kenya in *Environment & Sustainable Development: A guide for Higher Education in Kenya Vol II*, 2007. Eds. – Waswa, F., Otor, S., Olukoye, D., and Mugendi D., pp 275 – 295. Downtown Printing Works: Nairobi. ISBN: 9966-776-34-6.
6. Author of a scientific article, book chapter - *Urbanisation Challenges in Kenya* in a book ‘Environment & Sustainable Development in Kenya. Nairobi Downtown Printing Works, 2006 ISBN No. 9966-776-02-8
7. Author of a book titled, “Trends and Instruments of Industrial Development in Kenya” in May 2000, ISBN 3-8265-7496-6, Shaker Verlag, Aachen.

## **3. Publications in Conference Proceeding**

1. Corresponding author of a paper (Mwele, E., Mireri, C. Ogue, N.) titled *Socio – economic Impact of Wildlife Conservation in Samburu District, Kenya*, in conference Proceeding on Drylands Ecosystems: Challenges and Opportunities for Sustainable Natural Resource Management. Dar es Salaam: Research Programme on Sustainable Use of Drylands Bio – Diversity. ISBN: 9987-9034-2-8
2. Author of a paper titled *Theoretical and Empirical Dilemma of Industrialization* in the conference ‘Leveraging Indigenous Products and Technologies through Research for Industrialization and Development. Jomo Kenyatta University of Agriculture and Technology, 2006. ISBN No. 9966-923-28-4.

## **9. Networking and Collaboration with External Organizations**

1. *Partnership for Research on Viable Environmental Infrastructure in East Africa* ( 4 year research collaboration between Kenyatta, Makerere, Dar es Salaam and Wageningen universities
2. Victoria Research Initiative (Inter – University Council of East Africa, Researcher on Land Use Management for Sustainable Livelihood and Poverty Alleviation in the Lake Victoria Drainage Basin
3. Earthwatch Institute where two students received research funds

## **10. Projects/Research Grants**

1. Researcher -DSCA (Support mechanism for collaboration with sub-Saharan Africa) DSCA (Dispositif de soutien aux collaborations avec l’Afrique sub-saharienne), Kenya-France Geothermal Social Science Research Partnership (KFGSSRP), 2022- 2023.
2. Researcher - Governing solar electronic waste recycling in Kenya, funded by Danida Fellowship Centre, 2021 – 2023
3. Department of Environmental Planning & Management as Regional Centre of Excellence under DAAD Scholarship Programme – Ph.D. & Msc ( as Chairman, I successfully led the Department in winning the Award) from 2014, ongoing)

4. Principal Researcher of Multi – Disciplinary Research on *Assessment of Productivity and Safety of Urban Agriculture in Nairobi City County*, Funded by Vice Chancellor’s (Kenyatta) University Research Grant 2013, (2013/2014).
5. In collaboration with researchers from University of Nairobi, Masinde Muliro University, Maseno University and Ministry of Energy, we won a three year research grant (funded by National Council for Science and Technology) to undertake a research on “*Developing biomass pyrolysis stoves for sustainable bioenergy use by rural households and small business enterprises in Kenya*”, since November 2011
6. Researcher in a programme on *Partnership for Research on Viable Environmental Infrastructure in East Africa* ( 4 year research collaboration between Kenyatta, Makerere, Dar es Salaam and Wageningen universities beginning August 2006) (two staff members got Ph.D. scholarships).
7. Land Use Management for Sustainable Livelihood and Poverty Alleviation in the Lake Victoria Drainage Basin: A case of Urban Agriculture in Kisumu, Mwanza and Entebbe. A three-year (2004 – 2010) collaborative research project funded by Victoria Research Initiative (Inter-University Council of East Africa), involving four researchers from Kenya, Tanzania and Uganda.

## **11. International assignments**

1. Reviewer for Lake Victoria Region Local Authorities Cooperation on *The Review of City Development Strategies*, March/April 2009
2. Reviewer for IDRC of *Research Proposals on Urban Vulnerabilities to Climate Change in Africa*. January, 2009.
3. Mantor during *Sustainable Communities Course*, Asian Institute of Technology, Bangkok, Thailand, August 11 - 22, 2008, 13rganized by UN-HABITAT & UNEP.
4. Analyst for FAO – UN, Nairobi office, *National Policy Analyst, Integrated Natural Resource Assessment (Natural Resource Management)*, May/June, 2008
5. UN-HABITAT Consultant on *Mid-Term Review of Localising Agenda 21 on Sustainable Urban Development and Environmental Management – Nakuru Municipality Kenya*, November 2005-January 2006.

## **12. Academic Leadership**

1. Chief Examiner of Physical Planners Registration Board 2019/2023
2. External Examiner, Department of Environmental Science, Pwani University, from 2020, ongoing
3. External Examiner, Institute for Climate Change & Adaptation, University of Nairobi, from 2020, ongoing
4. External Examiner, Centre for Advanced Studies in Environmental Law & Policy (Environmental Policy Programmes – M.A. & Ph.D.), University of Nairobi, 2015/2018
5. Chairman, Department of Environmental Planning & Management, Kenyatta University, 2013/2017
6. Chairman, Regional Centre for Capacity Development, Kenyatta University, 2010/12
7. External Examiner, Department of Urban and Regional Planning, Maseno University, 2010/2014
8. External Examiner, School of Spatial Planning and Natural Resources, Jaramogi Oginga Odinga University, 2010/14
9. Physical Planners Registration Board examiner on ‘*Environmental Planning, Management and Resource Use Practices*’ (2007/09), *Oral examination*, 2014
10. Physical Planners Registration Board Examiner, 2013
11. External Examiner of several Ph.D. theses and M.sc. theses.

## **13. Professional Affiliation**

1. A Fellow of Kenya Institute of Planners
2. A Registered and licensed Physical Planner with Physical Planners Registration Board
3. A member of Environment Institute of Kenya
4. Registered and Licensed Environmental Impact Assessment Lead Expert