

CURRICULUM VITAE

DR. PETER MAHENDE SINDA

PERSONAL DETAILS:

DATE OF BIRTH: 1948
PLACE OF BIRTH: KURIA DISTRICT
NATIONALITY: KENYAN
MARITAL STATUS: MARRIED
PRESENT POST: SENIOR LECTURER
CONTACT: KENYATTA UNIVERSITY,
C/O Geography Department
P.O BOX 43844-00100 NRB.
Mobile Contact: 0721 241 865
Email: pmsinda@yahoo.com

EDUCATION:

PhD in Geography: Moscow State University (Lomonosov)
1972-1975
MSc in Geography: Moscow State Pedagogical Institute
1967 – 1971
University Entrance: Moscow State University (Lomonosov)
1966-1967
Secondary Education: Kisii School
1959-1966
Primary Education: Ikerege/Tarang'anya
1951 - 1958

QUALIFICATIONS:

DEGREE THEMES:

1. MSc: "Physical and Geography Characteristics of Eastern Africa with Emphasis on Natural Resource Evaluation" 1970.
2. PhD: "The Natural Environmental Conditions of Kenya and the Possibilities of their Utilization in Agriculture". 1975

EMPLOYMENT:

1. March – September 1976
Evaluator, Geography Research Programme at Kenya Institute of Education (K.I.E).
2. September 1976 – October 1978
Soil Survey and Geomorphological Mapping in the Integrated Project in Arid Lands (IPAL) for UNESCO in Northern Kenya.
3. October 1977 to October 1978
Ass. Lecturer, Kenyatta University
4. October 1978 – July 1987
Lecturer in Geography Department at Kenyatta University – Kenya.
5. July 1987,
Senior Lecturer in the Geography Department at Kenyatta University

UNIVERSITY TEACHING EXPERIENCE IN THE COURSES BELOW:

UNDERGRADUATE COURSES:

1. Practical Geography for 1st, 2nd and 3rd year students.
2. Techniques in Geography for 1st and 2nd year students.
3. East African Physical Environment for 1st year students
4. Geomorphology for 2nd year students.
5. Physical Geography for 2nd year students
6. Africa – Physical Environment
7. Introduction to Geomorphology.
8. Advanced Geomorphology for 3rd year students and MSc. Students
9. Research Paper for 3rd year students
10. Coordinator for field course for 2nd year students
11. Remote Sensing for 3rd year students
12. Culture, Ethnic groups of people – examples of African for the 1st year students
13. Environmental Studies for 2nd year students
14. Practical Geography for 1st year students
15. Advanced Geomorphology
16. Msc and MA Geomorphology
17. Agricultural Geography
18. Spatial Organization

OTHER TEACHING PROGRAMMES

1. 1968/70 during the MSc. Programme, I taught Geography of Africa with emphasis on physical environment in Moscow Colleges.
2. 1969/71 – summer seasons, I took part in the Soviet East Africa Geological and Geophysical Expedition, studying the East African Rift Valley system covering zones of Kenya, Tanzania, Zambia, Rwanda, Burundi, Uganda etc.
3. 1973/74 – During PhD research programme, I lectured at Moscow State University on the physical Geography of Africa.
4. External Examiner, Geography Department (CEES) University of Nairobi from July 1996 to July 1999.
5. 1998, Chaired a workshop, writing a Degree Curriculum on Urban Development Studies at Blue Post Hotel, Thika. (Asked by the Vice Chancellor; Kenyatta University)
6. July –September 2001, Chaired a workshop, writing Degree Programme on Cooperative Studies and Resource Management (requested by the Vice Chancellor; Kenyatta University.)
7. February 2002 – chaired a workshop, writing the New Degree Curriculum on Renaming the Department of Geography to Institute of Geo-sciences, Resource Management and Tourism at Blue Post Hotel, Thika.
8. January – September 2002, a member of the local organizing committee for the International conference on sustainable management of headwater resources (organized by United Nations University Japan and USIU) at USIU Nairobi.

POSTGRADUATE COURSES:

1. MSG 450: Geomorphological Principles I
2. MSG 451: Geomorphological Principles II
3. MSG 452: Geomorphological Techniques
4. MSG 453: Regional Studies in Landform Development

SUPERVISION:

1. Thomas Brookes: PhD Thesis,
Entitled, “Bird Extinctions Following Tropical Deforestation In Kenya.”
The University of Tennessee Knoxville, Department of Ecology and Evolutionary Biology – U.S.A
2. Charles T. Ndambuki: MSc. Thesis,
Entitled “Soil Erosion rates associated with Social Economic Factors in Kilome Area, Makueni District.”

3. Williece E. Odhiambo: PhD Thesis,
Reconstructing Quaternary Climates Using Fossil Pollen Records: A Case Study of Lake Kanyaboli Deposits In Western Kenya.”
4. Benedict K. Sikoli: MA Thesis,
Entitled, “Food Security Management towards Sustainable Development; a Case Study of Sabatia Division, Western Kenya.”
5. Boru E. Bareda: Project Thesis,
Entitled, “Towards A Participatory Approach To Sustainable Agricultural Development In Kimna Division Of Isiolo District.”
6. Sr. Masway Neophiltus: Project Thesis,
Entitled; “Youth Education in Traditional Chagga Society, Tanzania.”
7. Samuel O. Odhiambo: MA Thesis,
Entitled; “Effects Of Variability of Selected Climatic Elements on Malaria Prevalence in Awendo Division, Rongo District Kenya Migori County.
8. Odhiambo T. Mboya: MA Thesis,
Entitled, “Effects Of Climate Variability On Fishing Activities In Mbita Division, Mbita District, Homa Bay county, Kenya.”
9. Emma W. Kabiru: MA Thesis,
Entitled; “Landslide Occurances in Mukurweini District, Nyeri County: Influence of Land-Use, Effects on Livelihood and Mitigation.” (On)
10. Ojambi Romans: MA Thesis,
Entitled; “Effectives of Climate Variability On Transport Of Goods And Services in HomaBay County, Kenya.”

WORKSHOP/SEMINARS /CONERENCES ATTENDED:

1. June 1997: MAB (Man and Biosphere) seminar on arid and semi arid lands organized by IPAL project in Marsabit Town.
2. July 1977: Seminar on Land Evaluation for Rangelands Use, organized by soil at University of Nairobi.
3. July 1977: Attended the National Seminar on Desertification, organized by the National Environmental Secretariat at KICC, Nairobi.
4. Aug.to Sept. 1977: The United Nations Conference on Desertification at KICC Nairobi
5. November 1978: International Cartographic Association Seminar on Computer assisted Cartography at the University of Nairobi.

6. July 1981: Water Quality, supply and pollution control in Kenya, organized by the Ministry of Environment and Natural Resources at Kenyatta University.
7. August 1981: International Workshop on strategies for developing the resources of the arid and semi-arid areas of Kenya at KICC.
8. January 1983: Seminar on Environmental Management and Intergrated Rural Development in Eastern and Southern Sub-region at Safari Park Hotel, Nairobi.
9. March 1982: Workshop on Soil and Water Conservation in Kenya at Kabete, Faculty of Agriculture.
10. September 1985: International Conference on the Promotion of Research- Oriented Education and Training at African Universities, organized by DSE, GTX and DAAD at KICC.
11. September 1989: National Leaders Population Conference at KICC, Nairobi.
12. August 1992: Teacher Tutor in-service workshop, organized by Kenyatta University, Faculty of Education at KTTC, Nairobi.
13. September 1992: Commonwealth Geographical Bureau workshop on Applied Geomorphology, Nairobi
14. September 1997: Seminar on Information for Sustainable Resources Planning Management: Seminar for Economists and Resource Users Organized by Ministry of Planning and National Development, Nairobi.
15. September 2002: Seminar on Traditional Water Management Systems in Kuria District, Western Kenya, Presented to the International Conference on Sustainable Management of the Headward Resources at USIU Nairobi.
16. 2009 Attended workshop – secondary Geography Video Production in K.I.E, Nairobi.

Academic Research Grand Awards:

1. 1981: Kenya University Deans Research Grant, “Geomorphological Landform Units of South Western Marsabit District (IPAL – PROJECT)”
2. 1997: Convention Between IFRA and P.M Sinda: “Population Settlements and the Environment within Zimmerman, Githurai and Kimbo Estates of Nairobi City: A study of the Effects of Rural – Urban Migration on Nairobi City Life.”

EXAMINED THESES AND SERVED AS BOARD MEMBER:

1. Margaret A. Akol's PhD thesis entitled "Effects Of Two Neem Insecticides Formation on the Tropic Interactions between the Diamond Back Moth and Its Parasitoids."
2. Michael M. Gicheru's PhD thesis entitled "The Vervet Monkey Model For Leishmaniasis: Characterization, Protective Immunity and Vaccination against Leishmania Major Infection."
3. Jacob M. Kadima's Msc thesis entitled "A Magnetic Survey Of Banded Iron Formations in Migori Segment of the Nyanza Green Stone Belt."
4. Edmond T. Nkam's M.P.H.E thesis entitled "Social Cultural Determinants Of Pregnancy And The Spread Of Sexually Transmitted Infections Among Adolescent Residents Of Kakuma Camp, Northern Kenya."
5. Denis Okinyo's Msc. Thesis entitled "Bio-Prospecting for Phytochemicals for Anopheles Gambiae Larval Control."
6. Joseph Baya Msanzu's Msc thesis entitled: "Evaluation Of Nuclear Polyhedropsis Virus for the Control of Helicoverpa Armigera (Hubner) (Lepidoptera: Noctuidae) On Some Vegetable Crops in Kenya."
7. William M. Ndanuko's M.Ed thesis entitled, "Relationship Between School Organizational Climate and Pupils' Academic Performance among Public Primary Schools in Nairobi Province, Kenya."
8. Winfred Moichi Orina's M. Ed thesis entitled, "Availability, Acquisition And Utilization Of Instructional Resources For Teaching Geography In Selected Kisii District Secondary Schools."
9. Onyato J. Achieng's Msc thesis entitled " Use Of Live Attenuated Leishmania Major Parasites as a Candidate Vaccine against Leshmania Major Infections in BALB/c Mice."
10. Joseph M. Kimetu's M. Env. Studies thesis entitled "Nitrogen Fertilizer Equivalency Values for Different Organic Materials Based On Maize Performance at Kabete, Kenya."
11. Mworira Anne's M. Env. Studies thesis entitled "The Status, Values And Management of Indigenous Plants of Upper Imenti Forest Reserve, Meru Central District, Kenya."
12. Mark O. Ongochi's M. Env. Studies thesis entitled "Determination Of Heavy Metals Cadmium, Copper, Iron, Leads, Manganese and Zinc In Ground Water Resources In Kisumu Municipality."

13. Stephen M. Muchoki's Msc thesis entitled "Macro And Micro Propagation of Red Stinkwood (*Prunus Africana*) Hook F. Kalkmana (1965) In Kenya."
14. David Kioko Mutisya's M. Env. Studies entitled "The Impact Of Irrigated Agriculture On River Water Quality: A Case Study Of Sirimon Sub-Catchment Of River Ewaso Nyiro North Basin."
15. Mohammed Rahoy's M.S Thesis Entitled "Clannism And Conflict Among Ajuraan, Degodia nd Ogaden Somali Pastoral Clans in Wajir County, Kenya."
16. Abraham Wekesa Marabu's M. Env. Thesis entitled "Assessing the Potential Life Cycle Management Approaches for Sustainable Production Of Sugar At Mumias Sugar Company, Kenya."
17. Peter M. Musuva's M.sc Thesis entitled "Effects Of Land Use On Water Resource Availability In Muoni Sub-Catchment, Machakos District, Kenya."
18. Richard Murithi Mahugu's M.Env thesis entitled "Effects Of Rain And Sewage Irrigation On Heavy Metal Concentrations In Spinach, Kales And Soils In Mailisaba Village, Nairobi."

DEPARTMENTAL RESPONSIBILITIES:

1. Seminar coordinator in Geography Department; Kenyatta University
2. Departmental representative in the faculty of science – pure and applied science project committee member, Kenyatta University.
3. Member of the faculty of Arts teaching staff exchange programme with other international universities.
4. Departmental representative in the faculty of science post graduate studies committee
5. Departmental post graduate coordinator

UNIVERSITY RESPONSIBILITIES:

1. Acting chairman September 1989 to December 1989
2. Acting Chairman January 1990 to March 1990
3. Acting Chairman February 1997 to February 1998
4. Chairman Student's Bursary Committee 1993 to 1995
5. Warden in Students hostels (Suswa, Lukenya Girls Hostels) in the services of Kenyatta University (1992 – 1995)
6. Faculty of Arts representative to senate, Kenyatta University
7. Teaching Practice coordinator in the following T.P zones: Kakamega, Meru, Kisii, Murang'a,

	Machakos, Kikuyu, Nairobi, Migori and Kisumu
8. Chairman	Faculty of Science, postgraduate Studies (FSBP)
9. Substantive Chairman	October 1998 to November 2002 (Department of Geography)
10. Ag. Dean	Faculty of Arts in intervals within 1999 to 2000
11. Ag. Director	Board of Undergraduate studies (BUS) – October 1999
12. Chairman	Sub-committee, curriculum for satellite degree programme, cooperative studies.
13. Acting Director	Ruiru Campus – April 2009 to July 2009
14. Director	Migori campus – 2011 to 2014

PUBLICATION AND PAPERS PRESENTED IN SCIENTIFIC CONFERENCES:

1. The previous studies of soil cover in Kenya for agricultural utilization, October 1972
2. The role of relief as an important natural factor for growing the most diverse crops in eastern Africa (reference to Kenya) November 1973
3. The present – day state and prospects of vegetative cover conservation in Kenya in scientific problems of environmental conservation (materials of the conference) Moscow University Press 1974
4. Landform units of South Western Marsabit District in IPAL Technical report number C 1981.
5. Resources in low potential areas: an evaluation in Kenya, presented to the International Workshop on strategies for developing the resources of the arid and semi-arid areas of Kenya, August 1981 at KICC
6. Paper on Promotion of teaching Geography using major African languages in Education” 1989. Presented at the UNESCO Regional conference held at BREDA, DAKAR Senegal, 1989.
7. Paper on Land-use zoning to mitigate against landslide damage”, presented at the commonwealth Geographical Bureau Workshop on Applied Geomorphology, held in Nairobi 1992.
8. Population settlement and the environment within Zimmerman, Githurai and Kamiti Estates of Nairobi City (1975 – 1995): a study of the effects of rural-urban migration on Nairobi city life, 1987
9. September 2002: “Traditional water management systems in Kuria District, Western Kenya”: Presented to the international conference on sustainable management of the headward resources at USIU- Nairobi
10. Natural resource concervation and integrated watershed management in the Lake Victoria Basin: a case study of the Kuria community; Kenya: Hydrology in water cooperation and security for sustainable economic development (HSK), 2014

MODULE WRITING:

1. East African Environment for IOL (2005)
2. Introduction to Research Methods and Materials for IOL (2004)
3. Ecotourism for IOL (2004)
4. Physical Geography II for IOL (2004)
5. Tourism Studies Practicum for IOL (2005)
6. Geography of Africa for IOL (2006)
7. East African Flora and Fauna for IOL (2007)
8. Regional Studies in landform development for IOL – Msc / MA (2015)
9. General Geomorphology for IOL (2015)

Current Research Interests:

1. UNEP – MAP Integrated Project in Arid Lands (IPAL) in northern Kenya with soil survey, Geologic-Geomorphological mapping, landform evaluation
2. Study of landscapes and associated soil resources in Macalder Lolgrian Zone (S. W Kenya) with a view to agricultural utilization; reference to Kuria district.
3. Landscape ecology – an assessment within the marginal areas of Kenya working paper I and II
4. Land degradation characteristics through modern and traditional/cultural farming systems in Kuria district, south western Kenya.
5. Environmental appraisal, change analysis, economic valuation and eco-restoration of riverine wetlands in the eastern highlands of Lake Victoria basin, Kenya.
6. Natural resources and their conservation within national reserves and parks in Kenya.
7. Human impact on urban land surface degradation: a case study within Kahawa environment
8. Land degradation characteristics through modern traditional and cultural farming systems in Kuria district, south western Kenya.
9. Bio-diversity conservation within lolgorian and Kuria East sub-counties of Narok/Migori counties, Lake Victoria and Rift valley basins, Kenya.

AVILIATED MEMBERSHIP:

1. Member of MAB – Man and Biosphere Committee within the national environmental and human habitat secretariat and UNEP.
2. Member of UNESCO regional advisory committee on higher education in Africa (UNESCO-DAKAR)

3. Member and examiner of the Kenya National Examination Council
4. Kenyatta University Faculty of Arts representative to the Senate
5. Chairman; board of governors, Tarang'anya High School
6. Member of Geographical Society of Kenya.
7. Member, Kenyatta University Housing Scheme Staff Welfare Committee
8. Member, Kuria District DDC committee