

CURRICULUM VITAE

BIODATA

Name : Dr. Isaac John Ndolo
Date of Birth : 3rd June, 1957
Marital Status : Married
Contact Address : Department of Earth and Climate Sciences
Office Telephone : 318262 Ext. 28016
Email : ijndolo@uonbi.ac.ke/ johnndolo50@gmail.com
Mobile : 0721 311139

OCCUPATIONAL EXPERIENCE

1. Current - Lecturer, University of Nairobi
Department of Geography
2. 1988 to 1989 - Assistant Lecturer, Egerton University
3. 1986 to 1988 - Tutorial Fellow, University of Nairobi
Department of Geography
4. 1985 - Teaching Assistant, McGill University
Department of Geography, Canada

PROFESSION AND CURRENT DUTIES

Lecturer, University of Nairobi, Department of Geography, teaching the following:

- a) Undergraduate Courses
 - (i) Quantitative Methods
 - (ii) Research Methods
 - (iii) Fieldwork – Data Acquisition and Analysis
 - (iv) Climatology
 - (v) Writing Teaching Modules (MODULE III and B. Ed Science) for CGP/SGP 105, 221, 324 & 422

- b) Postgraduate Courses
 - (i) KCS 606: Statistical Methods and Modeling in Communication.
 - (ii) CPY 502: Advanced Statistics in Psychology
 - (iii) CGP 501: Statistical Techniques and Analysis
 - (iv) Applied Urban Climatology
 - (v) Qualitative and Quantitative Analytical Methods in Social Sciences
 - (vi) Environmental Planning and Management

- c) **Other Responsibilities**
 - (i) Internal Examiner, M.A. and M.Sc University of Nairobi
 - (ii) Internal Examiner, CGP 105, CGP 221, CGP 422, KCS 306, CGP 501, CPY 502, KCS 703
 - (iii) Undergraduate Dissertation and M.A/M. Sc. Thesis/Project Supervisor
 - (iv) Coordinator, Physical Geography II
 - (v) Member, Departmental Library Committee
 - (vi) Member, Senior Common Room Committee
 - (vii) Chair, Departmental Conflict Resolution Committee

EDUCATION

- 1) 1964—1971 Nyaani Primary School- KPE, B.A.B.
1972 – 1975 Machakos Boys School – EACE Division I.
- 3) 1976 – 1977 Machakos Boys School – EAACE 4 Principals & 1 Subsidiary.
- 4) 1978 – 1981 University of Nairobi -- B.ED (Science) – First Class Honours.
- 5) 1982 – 1986 University of Nairobi – M.SC Geography in Agroclimatology.
- 6) 1985 McGill University – Advanced Courses in Climatology and Statistics.
- 7) 2018 University of Nairobi -- Ph.D Geography in Urban Climatology.

Master of Science Thesis Title: **Water balance and Rice Yields in a Tropical**

Environment: Case Study of Mwea Irrigation Settlement. University of Nairobi, 1985

Ph.D Thesis Title: **Effects of Urbanization on Rainfall and Temperature over the City of Nairobi, Kenya.** University of Nairobi, 2018

RECENT RESEARCH PARTICIPATION

Data Analysis on “**Political Economy of Health Care Financing Reforms in Eastern Africa:** sponsored by *African Economic Research Consortium*.

THESES AND DISSERTATIONS SUPERVISED

M.A Communication Studies

1. Kung’u, S. W. (2005) An Investigation of Bias by Audience of Electronic Media in Central Province of Kenya: A Case Study of Murang’a Municipality.
2. Ogola, P. A. (2015) Assessing Communication Channels and The Impact of Agricultural Information Used by Farmers in Watermelon Production in Yimbo East Ward, Siaya County.
3. Ochieng, B. A. (2017) A Study of Agenda Setting on Political Corruption by Two Newspapers in the Period Preceding the 2013 General Elections in Kenya
4. Mary, W. N. (2020) Impact of Social Media Platforms on Family and Household Interactions in Limuru Town.

M.A & M.Sc. THESES AND DISSERTATIONS IN GEOGRAPHY AND ENVIRONMENTAL STUDIES

5. Mbogo, J. N. (2014) The Clean Development Mechanism in Kenya: A Case Study of the Olkaria Geothermal Project.
6. Okemwa, O. N. (2017) The Impact of Green Architecture on Energy Consumption in Highrise Office Buildings in Nairobi.
7. Nthuni, J. M. (2017) Climate Variability and Adaptation Strategies on Maize Yield in Meru South Sub-County of Kenya.
8. Kyalo, A. N. (2018) Rainwater Harvesting as an Adaptation Strategy for Enhanced Water Source in Machakos Town.
9. Omondi, C. O. (2018) Impact of Climate Variability on Surface Water Resources in Homa Bay County
10. Muli, J. M. (2014) The Impact of Irrigated Agriculture in Dry Lands on the Natural Environment: A Case Study of Chala Ward in Taita Taveta County, Kenya.
11. Ombogo, M. O. (2013) The Impact of Climate Variability on Pastoralism: Forage Dynamics and Trends in Cattle Population in Kajiado County, Kenya.
12. Kyalo, A. N. (2018) Rainwater Harvesting as an Adaptation Strategy for Enhanced Water Resource in Machakos Town.
13. Amboga, R. M. (2013) An Investigation of Urban Heat Island Phenomenon in Nairobi.
14. Okello, L. O. (2016) Vulnerability of Schools in Urban Informal Settlements to Hazards and Disasters: A Case Study of Mukuru Kwa Njenga Informal Settlement.
15. Nyambane, S. (2020) Effects of Agricultural Drought on Livelihoods Vulnerability in Yatta, Machakos County.
16. Kibii, C. J. (2020) Social and Environmental Effects of Stone Quarrying in Tuluongoi Location, Tenges Division, Baringo County.

PUBLICATIONS

1. **Ndolo, I.J., (1985): Water Balance and Rice Yields in a Tropical Environment: A Case Study of Mwea Irrigation Settlement.** M.SC. Thesis.
2. Lewis, J. and I.J. Ndolo, (1987): **Estimating Moisture Availability for Rice in Mwea, Kenya.** *Agric. Jour. Vol. 41:* (81-90).
3. **Ndolo, I.J., (1989): A Dependable Cumulative Soil Water Balance Model for Rice.** *Paper Presented at WMO Seminar, Nairobi, Kenya.*
4. **Ndolo, I.J., (1998): Some Aspects of the Urban Microclimate of Nairobi City,** *African Urban Quarterly Journal.*
5. **Ndolo, I.J., N. J. Muthama, C. Oludhe, J. K. Ng'ang'a & R. S. Odingo (2017):** **Diagnosis of Urbanization and seasonal Rainfall over the City of Nairobi.** *J. Meteorol, Related Sci.* Vol 10, Issue 1 (25-34)
6. **Ndolo, I. J., N. J. Muthama, C. Oludhe, J. K. Ng'ang'a & R. S. Odingo (2018):** **Influence of Urbanization on Minimum and Maximum Temperature Characteristics over Nairobi City.** *J. clim. chang. sustin.* Vol 1 Issue 2 (73-81)
7. **Irandu, E. M. and I. J. Ndolo (2018): Green Energy for the City of Nairobi: A Path to Sustainable Future.** Chapter 9 in *Food Security, Renewable Energy and Water. Insights on Sustainability.* Kenya Literature Bureau
8. **Omondi, C. O., I. J. Ndolo and I. A. Nyandega (2019): Impact of Rainfall Variability on Surface Water Resources in Homa Bay County, Kenya.** *J. sustain. environ. peace* 1(3) (84-90)
9. **Ndolo, I. J. (2020): Statistics as a Tool for Critical Thinking and Value Creation.** *The Nairobi Journal of Literature No.9 (Special Issue)* (198 -205)

PAST CONSULTANCIES

- 1. Data Analysis on Political Economy of Health Care Financing Reforms in Eastern Africa (1998):** sponsored by *African Economic Research Consortium*
- 2. The Climate and Agricultural Activities of Marsabit District. (2004)** by *Agricultural and Research Foundation (AGREF)*

REFEREES

Prof. Crispus M. Kiamba
Department of the Built Environment
University of Nairobi
Email: cmkiamba@uonbi.ac.ke

Pastor Simon Mwangi
Parklands Baptist Church
Nairobi
Email: simon.mwangi@parklandsbaptist.org

Prof. Evaristus Irandu
Department of Earth and Climate Sciences
University of Nairobi
Email: emirandu@uonbi.ac.ke