

Academic Staff Profile

Personal Profile

Personal Details

Name: CHRISTINE LUCY MAJALE Title/Qualification: PhD Department: Spatial and Environmental Planning Designation: Lecturer Email: Majale.christine@ku.ac.ke Area of Specialization: ■ Public service provision; Gender dynamics ■ Natural Resource management Research Interest ■ Resource value chain mapping ■ Natural resources vs livelihoods Google Scholar: ORCID ID: https://orcid./0000-0002-9068-5714	
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Academic & Professional Qualifications

Academic Qualification

- 2011: PhD in Environmental Policy, Wageningen University, The Netherlands
- 2003: Master of Environmental Planning and Management, Kenyatta University
- 2000: Bachelor of Environmental Studies (Science), Kenyatta University

Professional Qualification

2019: Completed a course on Design Thinking by KU in collaboration with Mount Kenya University- and Partner universities from Germany

2021: Completed a Course on Stakeholder Engagement, Influencing and Impact Course by DANIDA

2022: Completed a Course for Supervisors of Doctoral Candidates At African Universities by Centre For Research On Evaluation, Science and Technology

2023: Completed Training in Air Quality and Science Management by Columbia University

Employment History

- 2021 to 2023: Project Lead- Kenyatta University Governing Solar Electronic Waste in Kenya -Funded by Danish Ministry of Foreign Affairs and administered by DANIDA
- 2011 to date: Lecturer, Department of Spatial Environmental Planning, Kenyatta University
- 2005 to 2011: Tutorial Fellow, Department of Environmental Planning and Management, Kenyatta University
- 2004 to 2005: Research Officer, Kenya Organization of Environmental Education, Nairobi.

Publications

Referred Journals

Abati,O.I, Vikiru G. and **Majale C.** (2024). Artists' Perception and Communication of The Artist's Intended Intrinsic Value in Upcycled Artworks. *African Journal of Emerging Issues*, 6 (11), 84-100.

Majale, C., Opinde, G. and Nygaard, I. (2023). Bringing Light, Connectivity and Waste to Local Communities: A Study of the Post-Consumption Value- Chain for Off-Grid Solar Devices in Kenya

Muthee, K., Duguma, L., **Majale, C.**, Mucheru-Muna, M., Wainaina, P. and Minang, P. (2022). A Quantitative Appraisal of Selected Agroforestry Practices in Sub-Saharan Africa. *Heliyon*.

Amayi. M. K and **Majale C.** (2022) Voluntary approaches to water resource management among flower growing firms in Naivasha Sub County, Kenya. *Current Research in Environmental Sustainability* 4 (2022) 100140

Omedo, M.A., and **Majale, C.** (2022) Gender Dynamics and Human-Wildlife Conflicts in Maasai Mara Game Reserve, Kenya. *East African Journal of Environment and Natural Resources*, Volume 5, Issue 1, 2022

Nabango, H and **Majale, C.** (2022) Towards a Circular Economy: A Review on Asbestos Waste Management Regulations in Kenya. *East African Journal of Environment and Natural Resources*, Volume 5, Issue 1, 2022

Kinuthia, H., **Majale, C.** & Letema, S. (2022). Patterns and Drivers of Land Development in (Greater) Eastern Bypass Peri-Urban Area of Metropolitan Nairobi. *AJSTE* 2022 Volume 3, 2022. <http://journal.kyu.ac.ke/index.php/library1>

Kinuthia H., **Majale C.** and Letema, S. (2021). Influence of public policy planning on peri-urban land speculation in (Greater) Eastern Bypass in Nairobi Metropolitan. *Land Use Policy*. 107 (2021) 105515

Mwangi, W., Kimani, E., Okong'o G. and **Majale C.** (2021). A gendered perspective of knowledge of domestic solid waste management within informal settlement: A case of Kiandutu Informal Settlement, Kiambu County, Kenya. *Journal of African Studies and Ethnographic Research*, Volume 3, Issue 3, 2021

Loki M., Aloyo P., **Majale C.** and Kigundu S. (2020). The Typology of Public Open Spaces: Classification and Challenges from Machakos Municipality, Machakos County, Kenya. *International Journal of Advanced Research*, Vol. 8, Issue 12, pp241-255.

Wekisa E. and **Majale C.** (2020). Spatial Distribution of Waste Collection Points and Their Implications on Quality of Life in Mombasa County, Kenya. *Journal of Urban Management*- Volume 9, Issue 2, Pp 250-260. <https://doi.org/10.1016/j.jum.2020.02.003>

Majale C. Kitonga J. and Mugenya K. (2016). Waste Management Value Chain Mapping and Analysis in Low Income Neighborhoods- Nairobi, Kenya. *Journal of Solid Waste Technology and Management* Vol. 42 No.4, pp278-286

Majale C. and Mireri, C. (2014). 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. *International Journal of Environment and Waste Management* Vol. 13, No.4, pp412-428.

Books and Books Chapters

Majale C. (2011). *Modernising Solid Waste Management at Municipal Level: Institutional Arrangements in Urban Centres of East Africa*. The Netherlands: Wageningen Academic Publishers-open access

Majale, C. L. (2013). Policy Arrangement for Waste Management in East Africa's Urban centres in : *Environmental Change and Sustainability*, Eds. Silvern, S. and Young, S. InTech - open science | open minds. ISBN 978-953-51-1094-1 (<http://www.intechopen.com/books/environmental-change-and-sustainability/policy-arrangement-for-waste-management-in-east-africa-s-urban-centres>)

Majale, C., Oosterveer, P. and Mireri, C. (2014). *Urban Waste and Sanitation Services for Sustainable Development: Harnessing Social and Technical Diversity in East Africa*. Eds. Van Vliet, B. Van Buren, J. and Mgana, S. 2014. [Routledge Studies in Sustainable Development](#). ISBN 978-0-415-83377-6

Conference/Workshops/Seminar Papers

Conference Papers

Majale, C., Opinde, G. and Nygaard, I., 2023. *Bringing light, connectivity and waste to local communities - A study of the post-consumption value chain for off-grid solar devices in Kenya*- Page 379

14th IST Conference on Responsibility and Reflexivity in Transitions, 28th August to 2nd September 2023 – Copernicus Institute of Sustainable Development- Utrecht, Netherlands.-

Opinde, G., **Majale, C.** and Nygaard, I., 2023. *Hibernation of off-grid solar e-waste in Kenya - An unintended response to an emerging waste issue*- Page 206

14th IST Conference on Responsibility and Reflexivity in Transitions, 28th August to 2nd September 2023 – Copernicus Institute of Sustainable Development- Utrecht, Netherlands.

Workshops

Solid Waste management Trends in Urban Kenya in Naivasha, Kenya. On 27th November 2014 by UN-Habitat

<https://unhabitat.org/waste-management-key-to-poverty-alleviation-among-africas-youth>

Transitioning to pathways of sustainable Development: The Case of Nairobi presented at Ain Shams University in Cairo- Egypt on 29th February 2016

Solar E-waste Governance in Kenya -Workshops in Nairobi 2021, 2022, 2023. Organised by Technical University of Denmark; University of Nairobi and Kenyatta University.

Air Quality Management and Science Training at Kenyatta University. By US Department of State and Columbia University, 14th to 18th August 2023

Design Thinking by KU in collaboration with Mount Kenya University- and Partner universities from Germany at Mount Kenya University , 2019

Course on Stakeholder Engagement, Influencing and Impact Course – Online by DANIDA, 2021

Course for Supervisors of Doctoral Candidates At African Universities by Centre For Research On Evaluation, Science and Technology- Online- 2022

Other Publications

Short communication in Journals:

Majale C. and Kitonga, J. (2015). Waste Management Value Chain Mapping and Analysis in Nairobi's Low-Income Neighborhoods in: A Glance at the World. *Waste Management* 43 (2015) I-IV.

Policy Brief:

Ulrich Elmer Hansen, Paul Kamau, **Christine Majale**, Caleb Mireri, David Mugendi, Ivan Nygaard, Godwin Opinde, Herbert Wamalwa, Martin Enevoldsen. 2023. *Off-grid Solar Electronic Waste Management : Lessons from Kenya*. Published by Technical University of Denmark

Research

2021-2023: Solar E-waste Governance in Kenya

Funded by the Ministry of Foreign Affairs of Denmark (research grant no. 20-M07DTU) and administered by Danida Fellowship Centre.

Funded Projects

2021-2023: Solar E-waste Governance in Kenya

Funded by the Ministry of Foreign Affairs of Denmark (research grant no. 20-M07DTU) and administered by Danida Fellowship Centre.

Supervision of Postgraduate Students

Ph. D

Successfully Completed

Mwanzia Patrick Mwendwa N85/20723/2012: Role Of Non-Timber Products Extraction on Kakamega Forest Plant Biodiversity Loss And Community Livelihoods

Hannah Kinuthia- N85/37554/2016: Peri-Urban Land Speculation and Its Implication on Land Development in Ruiru Sub-County, Kiambu County

Maureen Amayi- N85/38749/2017: Determinants of Sustainable Water Resource Use with Respect to Flower Growing Firms in Nairobi Kenya

Ongoing

Regina Wango Kasau- N85/21426/2020: Promoting psychological wellbeing of Prisoners through the Built Environment in Kamiti Maximum Prison, Kiambu County, Kenya

Kennedy Wahome Muthee- N85/28854/2019: Factors Influencing Uptake of Agroforestry Technologies Among Smallholder Farmers in Central River Region Of The Gambia

Anna Adoyo Otieno- N85/28854/2019: Land Use and Land Cover Change Influence On Water Quality, Macroinvertebrate And Macrophyte Distribution In Ondiri Swamp, Kiambu County, Kenya

Isaac Abati- M88F/39216/2017: The Correlation Between Artist Intended Value and Audience Perception Value of Upcycled Artworks from South Western, Nigeria.

Masters

Successfully Completed

2010: Opinde Godwin Omondi N50/10397/2008 : Actors and their contributions to Solid Waste Management in Eldoret Municipality, Kenya.

2011: Mureithi Anne Waithera N50/13427/2009: Sustainable Management of Solid Waste in Fast Food Outlet- A Case Study of Nairobi Central Business District

2013: James Kitonga N50/13409/2009: An investigation into the factors influencing Apiculture in Arid and Semi-Arid Lands of Kenya- Case Study of Central Division, Mwingi District, Kitui County

2012: Yvonne Twizerimana N50/EA/20967/2010: The Impact of Poor Sanitation in Kangondo and Kibiraro Unplanned Settlement in Gasabo District, Kigali, Rwanda

2013: Kitur David N50/24115/2010: Assessment of Environmental Governance in Solid Waste Management- A Case Study of Nakuru Municipality, Nakuru County

2015: Malawi John Paul N50/CTY/PT/28123/2013 : Value Addition of Plastic Waste in Buruburu and Mathare Neighborhoods, Nairobi County.

2015: Cheserek Kiprotich Titus N50/24635/2013: Water Supply and Demand Management in Iten Town, Elgeyo Marakwet

2015: Chepngeno Beatrice Kemei N50/CTY/PT/24981/2013: Evaluating The Efficiency of Solid Waste Management in Cement Manufacturing Industries in Kenyan: A case Study of East Africa Portland Cement Company Limited.

2020: Ruth Kamene Kioko Q22/CTY/PT/27344/2014: Stress Levels among Construction Workers in Kibwera Resettlement Action Plan Project in Nairobi City County, Kenya

2018: Ezra Wekisa N50/CTY/PT/32467/2015: Spatial Distribution of Waste Collection Points and Their Implications on Quality of Life in Mombasa County, Kenya

Ongoing

Audifas Bonaventura-N50/EA/38527/2017: Barriers to Smallholder Farmers Production and Marketing of Wheat in Karatu District, North Tanzania

Irene Mutahi- N50/CTY/38048/2016: Trader Environmental Awareness levels and Its Implication on Management of Waste at Mukuyu Market, Muranga County, Kenya.

Fredrick Nicholas Mwai- N50/28703/2019: Demographic Change and its Impact on Rural Land Use Change Dynamics in Rongo Sub-County, Migori County

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

Networks/Collaborations

- 2021-October 2023: Solar E-waste Governance in Kenya. Collaboration amongst Kenyatta University, University of Nairobi and Technical University of Denmark
- 2015 November to 2020: Took lead in Collaboration with Swiss Federal Institute of Aquatic Science and Technology to undertake research project on Sustainable Urban Sanitation Regimes in Africa (SuSARA) in Nairobi, Kenya. Within this programme:
 - one of our Masters students in the Department went and wrote her Thesis in the Swiss Federal Institute.
 - Follow-up, a PhD student in the Department went and wrote his Thesis in Switzerland- October 2020-December 2020
- 2017 Collaboration between Kenyatta University -Department of Environmental Planning and Management and African Centre for Technology
- 2015 November to 2019: Took lead in the Development of Joint Interdisciplinary Masters Programme on Resource Efficient Cities in collaboration with colleagues from Ain Shams University (Faculty of Engineering), Cairo, Egypt ; TH Köln (University of Applied Sciences), Institute for Technology and Resources Management in the Tropics and Subtropics (ITT)- German; University Gadjah Mada (Faculty of Geography), Yogyakarta, Indonesia and Autonomous University of San Luis Potosí, (Agenda Ambiental), San Luis Potosí, Mexico

Editorship/Peer Review:

- 2020 Reviewer, Journal of Land Management and Appraisal
- 2015 Reviewer, Journal of Cleaner Production
- 2012 Reviewer, Habitat International
- 2012 Reviewer, International Journal of Water Resource and Environmental Engineering

External Examiner:

Nazarene University- Department of Department of Environment and Natural Resources Management School of Science and Technology of Africa Nazarene University

Consultancy:

Consultant for Kenya Informal Settlement Improvement Project (KISIP), Nairobi and Nakuru

Seeks to improve access to basic services and tenure security of residents in participating urban informal settlements and strengthen institutional capacity for slum upgrading in Kenya.

Consultant (Urban issues), World Vision, Nairobi and Changamwe in Mombasa
Waste Management, Value Chain Mapping and Analysis - Kariobangi Waste Management Project. And Changamwe Plastic Waste Management

Consultant for Water Resource Authority under KORADIS LIMITED
Water Quality and Pollution Assessment in Gold mining Areas of Macalder (Migori County) and Ikolomani (Kakamega County)

Consultant for Far Sight Africa Group:
Developing Feasibility documents for solid waste Management within UN camps in Somalia .

Consultant for Action Aid – Social Expert
Assessing the Environmental and Social Impact of Solid Waste Disposal at Mwakirunge Dumpsite in Mombasa

Consultant for National Irrigation Board- Environmental Expert
Environmental Auditing of Mwea Irrigation Scheme; Mwea Irrigation Agricultural Development (MIAD) Centre; Bura Irrigation Scheme and Tana Irrigation Scheme

Consultant for Lake Victoria South Water and Services Board- Waste Management Expert
Feasibility Studies and Preliminary Design Documents for Solid Waste Management

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Community Service and Other Engagements

- **The Riara springs Girls High School- Nairobi -The Annual Career Day on 4th July 2015:**
 - 1) Expose the students to different careers in the job market.
 - 2) Equip them with first-hand information through open discussion with professionals.
 - 3) Help students understand the concept of career development.
 - 4) Enlighten students on the subject clusters for different careers through talks on admission requirements.
 - 5) Sensitize learners on the need to work smart during in high school as they prepare for their future careers.
- **Samia Girls Secondary School in Busia- January 30th 2020**
Guest speaker to speak to the student

Affiliation of Professional Bodies

2011 to Date: Member of National Environment Management Authority. Lead Expert No. 0345
2020-to Date- Member of Environment Institute of Kenya

National and International awards and Recognitions

Post-doctorate position under the Climate Impacts Research Capacity Leadership Enhancement (CIRCLE) fellowship programme

Administrative Positions Held

Recognized university administrative positions

2022 September- Chairperson, School Board of Postgraduate- School of Engineering and Architecture

2020 to date: School of Environmental Studies-Examination Coordinator

2017 to 2021: Chairperson, Departmental Curriculum Review Committee

2017 to 2022: Chairperson of Departmental Board of Post Graduate Studies

2012 to date: Member University Environmental Committee

8TH June 2020: Technical Working Committee-UNESCO Chair KU

2015: Technical Advisor -KU Next Generation of Academics and Research Network

2019 to date: Member Committee of Establishment of School of Environmental Studies Scientific Journal

2017 to date: Member Departmental Research and Extension Committee

16th September 2014 to date: Secretary of Social welfare Committee,
Department Environmental Planning and Management