


**DIVERSITY, ABUNDANCE AND THREATS TO MEDICINAL PLANTS
USED IN MANAGEMENT OF RESPIRATORY ILLNESSES IN MIGORI
COUNTY, KENYA**

ACADEMIC STAFF PROFILE TEMPLATE

1.1 Personal Profile

1.1.1 Personal Details

<p>Name: Jacinter Aluoch Amadi Title/Qualification: Dr. Department: Plant Sciences Designation/Position: Lecturer Email: amadi.jacinta@ku.ac.ke Contact Address: 43844-00100, Nairobi Area of Specialization:<ul style="list-style-type: none">▪ Ecology and Conservation Biology▪ Climate Change and Adaptation: Public health perspectiveResearch Interests:<ul style="list-style-type: none">▪ Climate Change Policy and gender mainstreaming▪ Climate Justice and the Commons governanceORCID ID: orcid.org/0000-0003-3302-8387</p>	
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1.1.2 Academic & Professional Qualifications

- Ph. D. in Climate Change and Adaptation: Institute for Climate Change and Adaptation, University of Nairobi
- Master of Science (Ecology), Zoological Sciences Department, Kenyatta University
- Bachelor of Education Science (Botany and Zoology), First Class Honours, Kenyatta University
- Certificate in Environmental Impact and Assessment (EIA) and Environmental Audit (EA), from Jomo Kenyatta University of Agriculture and Technology
- Geographic Information System (GIS) and Remote Sensing, from Regional Centre for Mapping of Resources for Development

1.1.3 Employment History

- Nov. 2018- Present: Lecturer, Ecology and Conservation Biology; Department of Plant Sciences, Kenyatta university.
- July 2014- Oct. 2018: Tutorial Fellow, Ecology and Conservation Biology; Department of Plant Sciences.
- Sep. 2012- April 2014: Part-time Lecturer, Department of Plant Sciences of Kenyatta University

- 2012-2013: Project Assistant, Kenya Tuna Uwezo (We have the Power): A community and conflict resolution program in the informal settlements in Nairobi Kenya. PeaceNet-Kenya; P.O. Box 49806-00100; Nairobi, Kenya

1.1.4 Achievements

1.2 Publications

1.2.1 Referred Journals

Jacinter A. Amadi, Daniel O. Olago, George O. Ong'amo, Silas O. Oriaso, Isaac K. Nyamongo, Benson B. A. Estambale. 2018. "We don't want our clothes to smell smoke": Changing malaria control practices and opportunities for integrated community-based management in Baringo, Kenya. *BMC Public Health*, 18:609. doi.org/10.1186/s12889-018-5513-7

Jacinter A. Amadi, George O. Ong'amo, Daniel O. Olago, Silas O. Oriaso, Isaac K. Nyamongo, Benson B. A. Estambale. (2018). Mapping the potential *Anopheles gambiae s.l.* larval distribution using remotely sensed climatic and environmental variables in Baringo, Kenya. *Medical and Veterinary Entomology*. doi: 10.1111/mve.12312

Jacinter A. Amadi, Daniel O. Olago, George O. Ong'amo, Silas O. Oriaso, Mark Nanyingi, Isaac K. Nyamongo, Benson B. A. Estambale (2018). Sensitivity of vegetation to climate variability and its implications for malaria risk in Baringo, Kenya. *PLOS ONE*

Mwangi, B., Ombogo, M., **Amadi, J.**, Baker, N. and Mugalu, D. (2012). Fish species composition and diversity of small riverine ecosystems in the Lake Victoria basin, Kenya. *International journal of science and technology*, 2: 9

1.2.2 Books and Books Chapters

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1.2.3 Conference/Workshops/Seminar Papers

1.2.3.1 Conference Papers

- **2017- Jacinter A. Amadi**. Sensitivity of vegetation to climate variability and its implications for malaria risk in Baringo, Kenya. A paper presented at the African Institute of Mathematical Sciences, Cape Town, South Africa.
- **2011 - Amadi, J.**, Mwangi, B. and Gichuki, J.W. Diversity, Abundance and Distribution of Macroinvertebrate in two rivers in Lake Victoria basin: Awach-eme and Kisian. In Oguge, N.O., Omollo, E.J. and Lumosi, C. eds. 2011. Climate Change and Natural Resource use in Eastern Africa: Impacts, Adaptation and Mitigation. Proceedings of the 3rd scientific conference of the Ecological Society for Eastern Africa, Regal Press, Nairobi, Kenya

1.2.3.2 Workshops Papers

- 2018- ICIPE, Mbita- Mapping the potential *Anopheles gambiae s.l.* larval distribution using remotely sensed climatic and environmental variables in Baringo, Kenya.

- 2012, Nairobi - Effects of weir installation on water quality and macroinvertebrate community structure of two rivers in Lake Victoria Basin, Kenya.
- 2010, Nairobi - Diversity, Abundance and Distribution of Macroinvertebrate in two rivers in Lake Victoria Basin: Awach seme and Kisian

1.2.3.3 Seminar Papers

1.2.5 Student Co-authored Publications

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1.2.4 Other Publications

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1.3 Research

2016: Small grants for Theses and dissertations by Association of African Universities (AAU)
Amount USD 3,500.

1.4 Funded Projects

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1.5 Conferenced/Workshops/Seminars Attended

1.5.1 Conferences Attended

- EAI 4th International Conference on Innovation and Interdisciplinary solutions for underserved areas, Online 12-13th April 2021. Theme: Nature based solutions, gender equity and interconnectivity for climate resilience in Africa.
- Kenyatta University Biennial Research and Innovation Conference, June 2019

1.5.1 Workshops Attended

- Patent drafting, Chandaria Business and Innovation Centre, KU, March 2019
- Vector Ecology and Disease Workshop, Mbita, Kenya, August 2018

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1.5.1 Seminars Attended

- Webinar, Impact of Science and biotechnology in times of pandemic, NACOSTI, February, 2022
- Webinar, Green Economy and Sustainability, UNESCO-Chair Hedges, October 2021
- , COP-26: African Negotiations and East African Priorities, ICPAC, October 2021
- Webinar, Climate Change, Migration and displacement in Eastern Africa, ICPAC, January 2021
- Internationalization of research and resource mobilization, Kenyatta Univesity, November 2019
- Corporate Social Responsibility to Green business, Strathmore University, October, 2019

1.6 Supervision of Postgraduate Students

1.6.1 Masters

1. Joseph, Mwangi, Department of Plant Sciences; Topic: Carbon Stock Assessment in Dakatcha Woodland, Kilifi County, Kenya. Status: On going
1. Levy Omambia, Department of plant Sciences; Topic Diversity, abundance and threats to medicinal plants used in management of respiratory illnesses in Migori County, Kenya- Ongoing

1.6.2 Ph. D

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

- Reviewer, BMC Public Health Journal
- Reviewer, PLOSONE Journal

- Reviewer, Infectious Diseases of Poverty
- Reviewer, Journal of the Kenya National Commission for UNESCO
- Associate Consultant –TAABCO Research and Development Consultants. <https://taabco.org/>

1.8 Community Service and Other Engagements:

1.9 Affiliation of Professional Bodies

- East African Wildlife Society
- Ecological Society for Eastern Africa
- African Youth Initiative on Climate Change

2.0 National and International awards and Recognitions

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2.1 Administrative Positions Held

2.1.1 Recognized university administrative positions

- Departmental Examination Coordinator

2.1.2 Other administrative positions Held

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