

CURRICULUM VITAE

Dr. Anne Wangari Kairu

1. Personal details:

Contact address: University of Embu.
P.O Box 6-60100
Embu, Kenya.
Email: kairu.anne@embuni.ac.ke

2. Academic qualifications

2014 – 2021: Ph.D. in Biology of Conservation. Title of thesis: Impacts of forest governance on structure and regeneration of mangroves in Kwale County, Kenya. University of Embu
2008 – 2011: Master of Science Degree in Biology of Conservation.
Thesis entitled: Distribution and population structure of East African green heart (*Warburgia ugandensis*) in Mt. Kenya forest, Kenya. University of Nairobi.
2002 – 2007: B. ED (Science). Botany, Zoology and Education – 2nd Class (Hons.) Upper Division
Kenyatta University

3. Teaching and Research experience

2021 September – to date: Lecturer, Biological sciences department, University of Embu
2012 – 2021: Tutorial Fellow, University of Embu.
1991 – 2009: Teaching biology in various high schools in Kenya.

Research experience

October 2021: USAWA project in collaboration with Professor Mark Huxham Edinburgh Napier University, in Kwale County, Kenya.
September 2019 to February 2020: Forest monitoring and governance in Kwale Kenya.
2018 - 2019: A research on the evolution of forest policies in Kenya and their impacts on mangrove management.
2017: Mangrove forest structure in state and co-managed mangrove forests, in Gazi Bay Kenya.
2014 – 2016: Ethnographic study of mangrove governance in Kwale, Kenya.
2009 - 2010: Research on distribution and population structure of East African green heart (*Warburgia ugandensis*) in Mt. Kenya forest, Kenya.

4. Memberships of professional bodies

- i. Women in Marine Science Network (WiMS)
- ii. Nature Kenya
- iii. Western Indian Ocean Early Career Scientists Network (WIO-ECSN)
- iv. Political Ecology Network.

5. Grants

- i. Funds from the IDRC ‘A thousand flowers will bloom’ grant, for USAWA project in collaboration with Professor Mark Huxham, Edinburgh Napier University, in Kwale County, Kenya. Sterling Pounds 1,990. October 2021.
- ii. Travel grant to attend the Eleventh Western Indian Ocean Marine Science Association (WIOMSA) Scientific Symposium held from 1st- 6th July 2019 in Reduit, Mauritius. USD 870.
- iii. Consultancy for Forest 2020 project on Forest monitoring and governance in Kwale Kenya funded through Ecometrica, UK. £8,500.00. September 2019-February 2020.
- iv. Vice Chancellor’s Research Grant Award. Research on tourism impacts in the integrity of seagrass bed and community livelihood in Diani Beach Area of Kwale County, Kenya. USD 6497. June 2019.
- v. Marine Research Grant (MARG) to The Second Biennial Conference of the Political Ecology Network (POLLEN)” from 20-22 June, 2018 in Oslo Norway. US\$ 2719.
- vi. Coastal ecosystem Services in East Africa project, Funded under Ecosystem Services for Poverty Alleviation (ESPA), 2013-2016. (Doctoral research). Grant No. NE/L001535/1.
- vii. Vegetation and climate change in east Africa (VECEA) project funded by Rockefeller Foundation 2009 – 2010 (Masters Research). US\$ 5,000.

6. Research publications, reports and briefs

- i. Kairu, A., Kotut, K. Mbeche, R., and Kairo, J. (2021). Participatory Forestry Improves Mangrove Forest Management in Kenya. *International forestry review*. 23 (1), 41-54.
- ii. Kairu, A., Upton, C., Ndambiri, J.K, (March 2021). Forest Alerts: Implementation & Evaluation. Forest 2020, funded by UK Space Agency.
- iii. Kairu, A., Upton, C., Huxham, M., Kotut, K., Mbeche, R., & Kairo, J. (2017). From shiny shoes to muddy reality: understanding how meso-state actors negotiate the implementation gap in participatory forest management. *Society & Natural Resources*, 31(1), 74-88.
- iv. Nunan, F., Kairu, A., Kairo, J., & Wanjiru, C. (2016). Achieving multi-level, integrated governance of coastal ecosystems in Kenya. CESEA Research Policy and practice brief. https://www.academia.edu/30086039/Achieving_multi-level_integrated_governance_of_coastal_ecosystems_in_Kenya.
- v. Kairu, A., Gichuki, N., Kanya, J., & Kindt, R. (2014). Environmental factors influencing structure and distribution of east African green heart (*Warburgia ugandensis* Sprague) in Mt. Kenya Forest. *International journal of biodiversity and conservation*, 6(6), 452-458
- vi. Kairu, A., Gichuki, N., Kanya, J., & Kindt, R. (2013). Disappearing medicinal plants in Mt. Kenya Forests, Kenya: a case study of east african green heart (*Warburgia ugandensis* sprague). *Topclass Journal of Herbal Medicine*, 2(7),159-165.

7. Teaching and curriculum development

a) Curriculum development

- i. MSc. Review and updating of MSc. Environmental Science programme - 2020
- ii. BSc. Management of agro-ecosystem and environment course - 2019.
- iii. MSc. Environmental Science - 2018
- iv. BSc. Environmental science – 2018

b) Courses taught

AEM 206- environmental law and policy; AEM 207 Biodiversity and conservation; AEM 406 sustainable development and global environmental change; AWM 401 water resource governance and policy; AWM 405 water resource adaptation to climate change; AEM 101 introduction to environmental science; AEM 103 environmental ethics; AEM 403 principles of environmental and industrial toxicology; SZL101/SBW 121 invertebrate zoology; SZL 103 fundamentals of ecology; SBC 104 plant physiology; SBT 204 plant structure and function; SBT 307 ecophysiology.

c) Postgraduate teaching

SZL 502 Community ecology and production.

8. Review of MSc. Proposals

- i. Determination of sustainability of mangrove wood resources and the value chain in Lamu County, Kenya. Riungu Purity Muthoni. 2020
- ii. 2020 - Assessment of mangrove forest degradation and effectiveness of participatory forest management of the mangrove forest of lamu county, kenya. Gladys Kinya.
- iii. 2019 – Analysis of the effects of rice intensification on small holder rice productivity in Kirinyaga County, Kenya. Kaloi Francis Kadipo.
- iv. 2019 - Vegetation carbon stocks of mangrove forests of Lamu County, Kenya. Anthony Mbatha.

9. Conferences, courses and workshops attended

- i. Eleventh Western Indian Ocean Marine Science Association (WIOMSA) Scientific Symposium, 1-6 July 2019, Mauritius. Oral presentation, Title: Evolution of forest policies and their implications on mangrove management in Kenya.
- ii. The Second Biennial Conference of the Political Ecology Network (POLLEN), Oslo, Norway, from 20 to 22 June 2018. Oral Presentation, Title: Performing PFM: Agency, Accountability and Bricolage in Forest Governance.
- iii. The international Conference on Ecosystem Services for Poverty Alleviation (ESPA) programme, 8-9 March 2018, World Agroforestry Centre (ICRAF) in Nairobi, Kenya. Oral Presentation, Title: From Shiny Shoes to Muddy Reality: Understanding how Meso-State Actors Negotiate the Implementation Gap in Participatory Forest Management.
- iv. The Tenth Western Indian Ocean Marine Science Association (WIOMSA) Scientific Symposium, 30th October- 4th November 2017, Dar es Salaam, Tanzania. Poster presentation, Title: Structure and productivity of mangroves in community and State managed forests in Kwale County, Kenya.
- v. Mangroves and National Determined Contributions (NDCs) National workshop, on 29th -31st October 2019 in Lamu, Kenya.
- vi. Training on use of plagiarism detection software September 2018; University of Embu.
- vii. Nvivo training by Data Solutions Services, U.K. February 2016. Online.
- viii. Stakeholders Workshop on Review of Legal & Institutional Framework governing the coastal zone, 23rd -24th Feb 2016. Bamburi beach hotel, Mombasa.
- ix. Ethnographic methods and practice. The London School of Economics and Political Science. 2014.

Referees

Professor Kiplagat Kotut,
Deputy Vice Chancellor Academics Research and Extension
University of Embu
P. o. Box 6-60100, Embu, Kenya

Dr. Robert Mbeche
Jomo Kenya University of Agriculture and Technology,
P. o. Box 62 000-00200 Nairobi, Kenya