

Dr. Peter Waweru Wangai: Curriculum Vitae

Sex	Male
Nationality	Kenyan
Religion	Christianity
Date of Birth	15 th November, 1979
Official Language	English, Deutsch
National Language	Swahili
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CAREER OBJECTIVE

To be a self-motivated researcher, practicing integrity and discipline in service to the company or institution of work, while at the same time embracing teamwork for quick realization of the research and organization objectives, while embracing the concept of sustainability.

ACADEMIC BACKGROUND

02/ 2014 – 07/ 2017

PhD: Christian-Albrechts-Universität zu Kiel (Kiel University), Germany; *Awarded July 2017.*

Dissertation: Mapping and Assessment of Ecosystem services to improve Resource Management and Human wellbeing in Data-scarce Peri-urban Ecosystems.

10/2008-10/2010

Masters: Master of Science in Sustainable Resource Management from Technische Universität München (University of Technology Munich), Germany; *Awarded October 2010.*

2002-2006

Bachelor: Environmental Studies and Community Development (2nd Class Upper Division Honours) Kenyatta University; *Awarded July 2007.*

WORK EXPERIENCE

01/2020- to Date

Examinations Coordinator: Department of Environmental Studies & Community Development, Kenyatta University, Kenya.

Duties: Coordinating examinations setting, processing and keeping custody all departmental examination materials.

08/2017- to Date

Lecturer: Department of Environmental Studies & Community Development), Kenyatta University, Kenya.

Duties: Teaching, research and community service.

2014-2017

Research: Assessment and mapping of ecosystem services in data-scarce peri-urban areas of Nairobi & Kiambu Counties, *funded by KAAD* for *EUR. 53,700* where I participated as Principal Investigator (PI).

05/2012-07/2017

Ass. Lecturer: School of Environmental Studies (Department of Environmental Studies & Community Development), Kenyatta University

05/2012-June 2013

Coordinator: School of Environmental Studies (Mombasa Campus), Kenyatta University

Teaching scope:

- Introduction to ecosystem services
- Advanced biodiversity and ecosystem services mapping
- Socio-ecological systems analysis
- Integrated Natural Resources Management
- Community/Rural Development & Wildlife Tourism
- Environmental and Natural Resources Economics & Valuation
- Project management
- Environmental Climatology
- Research & Scientific writing
- Advocacy & Networking in Natural Resource Conservation
- Environmental Philosophy
- Natural resource Utilization & development
- Education for Sustainable Development

Achievement:

- Executed satisfactory and participative services to the students
- Mentored students in thesis writing
- Counseled multi-cultural and multi-religious groups of students
- Linked students to organizations for internship skills
- Promoted co-creativity among students
- Cultivated spirit of academic excellence among students

- Coached students during field trips

June 2008-October 2010

Research: Promoting coexistence of pastoralism and wildlife conservation at Kuku Group Ranch, Kenya, *funded by KAAD* for *EUR. 21,200*.

03/2010-10/2010

Maasai Wilderness Conservation Trust (MWCT)

Field Research: Pastoralism-Wildlife coexistence at Kuku Group Ranch (unprotected wildlife inhabited ecosystem).

Achievement: Submitted a **complete Master Thesis** to the Technische Universität München (University of Technology Munich).

04/2009-07/2009

Field course & presentations:

- Biodiversity and ecology at Bavarian State Forest in **Germany** and the European Alps.
- Low Carbon Footprint & Ecotourism Project at Werfenweng in **Austria**.
- Remote Sensing for Natural Resources Management symposium in **Italy**.

2007-2008

Pago Training Institute tutor: Chairman Community Development and Project Management

Achievement: Integrated project planning and management course in the curriculum.

2005-2006

Field research: Child Labour and Poverty.

Achievement: Forwarded the findings to Kenyatta University.

2002& 2007

Voter registration officer: Referendum and general elections in Kenya.

Achievement: Enhanced voter education and accuracy in data entry.

RECENT RESEARCH AND CONSULTANCY WORK

Month/Year	Project title	Proponent	Role
June 2021-Aug. 2023 (ongoing)	Building Urban Community Networks for Sustainable Cities in Africa (UComNetSus-Africa)	Belmont Forum and Future Earth	<i>Consortium Lead;</i> coordinating project activities undertaken by project partners namely, Georgetown University, Kwame Nkrumah University of Science & Technology, Nature Cares Resource Centre, University of Rwanda, University of Dar es Salaam, Kenyatta University, South Eastern Kenya University, and University of Embu
June 2020- Ongoing	UNESCO Chair initiative on Higher Education Development for a Green Economy and Sustainability (HEDGES)	UNESCO and Kenyatta University	Member of the Technical Working Group (TWG)
Aug. 2019-Oct. 2019	Social and Environmental Abuses along the Salt Manufacturing Belt in Magarini, Kilifi County	Kituo Cha Sheria	Technical Group Leader on mapping spatio-temporal and land use changes in the study area.
Feb.2019-Aug. 2019	Co-management of public forest	Researcher	Investigating the effectiveness of community forest associations: a study of Karura forest.

Nov. 2018-Feb. 2019	Food for Life	Greenpeace Africa	Team leader for Food Systems Mapping at Machakos County
April 2010-July 2011	Youth Jump project on database for Green jobs in Kenya	UN International Labour Organisation (UN- ILO)	Developer of database for SACCOs and Microfinances that fund Green jobs for youth

PUBLICATIONS

Books & reviewed papers

- Müller, F., Bicking, S., Ahrendt, K., Bac, D. K., Blindow, I., Fürst, C., Haase, P., Kruse, M., Kruse, T., Ma, L., Perennes, M., Ruljevic, I., Schernewski, G., Schimming, C., Schneiders, A., Schubert, H., Schumaker, J., Tappeiner, U., **Wangai, P.**, Windhorst, W., Zeleny, J. (2020). Assessing ecosystem service potentials to evaluate terrestrial, coastal and marine ecosystem types in Northern Germany—An expert-based matrix approach. *Ecological Indicators*, 112, 106116. DOI: <https://doi.org/10.1016/j.ecolind.2020.106116>
- **Wangai, P. W.**, Burkhard, B., Müller, F. (2019). Quantifying and Mapping Land Use Changes and regulating Ecosystem Services in a data-scarce peri-urban area in Kenya. *Ecosystems and People*. DOI: <http://dx.doi.org/10.1080/21513732.2018.1529708>
- **Wangai, P. W.**, Burkhard, B., Kruse, M., Müller, F. (2017). Contributing to the cultural ecosystem services and human wellbeing: a study application on indicators and linkages. *Landscape Online* 50, 1-27. DOI: <http://www.landscapeonline.de/1030971o201750>
- **Wangai, P. W.**, Burkhard, B., Mueller, F. (2016). A review of studies of ecosystem service assessments in Africa. *International Journal of Sustainable Built Environment* 5(2), 225-245. DOI: <http://dx.doi.org/10.1016/j.ijbsbe.2016.08.005>
- Müller, F., B. Burkhard, Y. Hou, M. Kruse, L. Ma & **P. Wangai** (2016). Indicators of Ecosystem Services. In: Potschin, M, R. Haines-Young, R. Fish & R.K. Turner (Eds.): Routledge Handbook of Ecosystem Services.

Routledge, London: 157-170.

- **Wangai, P.,** Muriithi, K. & Koenig, A. (2013). Drought related impacts on local people's socioeconomic life and biodiversity conservation at Kuku Group Ranch, Southern Kenya. *International Journal of Ecosystem* 3(1): 1-6 DOI: <http://article.sapub.org/10.5923.j.ije.20130301.01.html>

SCIENTIFIC CONFERENCES AND WORKSHOPS

Conference papers

- **Wangai, P.,** Burkhard, B., Mueller, F. The connection between the intangible benefits of natural landscapes, human wellbeing and policy recommendations. Ecosystem Services Partnership Conference, Nairobi, 21- 25 November 2016.
- **Wangai, P.,** Burkhard, B., Mueller, F. Current status of ecosystem services research and its applications in the management of natural resources in Africa. Ecosystem Services Partnership Conference, Nairobi, 21- 25 November 2016.
- **Wangai, P.,** Burkhard, B., Mueller, F. Spatio-temporal mapping of land use capacity to supply regulating ecosystem services in peri-urban ecosystems: A case of Karura catchment, Nairobi. Ecosystem Services Partnership Conference, South Africa, 9-13 November 2015.
- **Wangai, P.** Community Conservancy model in wildlife conservation at Kuku Group Ranch, Kenya. Paper presentation at the first International Conference at Karatina University College, 25 -28 July 2012.

Conference/seminars/ workshops:

- Belmont Forum Sept. 2020, Training on “Pathways to Sustainability” and transdisciplinary research
- UN Environment Assembly, 2019, (“SolveDifferent”); Sustainable Consumption and Production
- UN Environment Assembly, 2017 (“Towards a pollution-free planet”)
- Actors in Sustainable Development Goals (Bonn Germany, March 2017)
- Terrorism and religious radicalization (Lingen Germany, June 2016).
- I and we-, we and others: Identity in the globalized world (Bonn Germany, April 2016)
- Ecosystem Services Partnership Conference (Stellenbosch South Africa, November 2015).
- Summer School for Biodiversity and Ecosystem Services (Peyresq France, September 2015)
- The role of professional in bringing change-“How can change be achieved?”

(Tamale Ghana, August 2015)

- KAAD Water Group workshop (Karlsruhe University Germany, May 2015)
- International Workshop on coastal ecosystem service and Land-Sea interface (Kiel Germany, March 2015)
- KAAD Education Commission (Germany, May 2014)
- KAAD Annual Academic Day (Germany, April 2014)
- Role of Professionals in national development (Uganda, August 2012)
- Remote sensing for natural resource management (Italy, May 2009)

VOLUNTARY ACADEMIC CONTRIBUTIONS

- Scientific Journal reviewer (Ecological Indicators)
<https://www.journals.elsevier.com/ecological-indicators> (to date).
- Voluntary advisor to Master students on thesis writing and in facilitating tutorials, Department of Ecosystem Management, Kiel University (2014-2017).

Community Service

- **Secretary General** for the German Catholic Academic Service (KAAD) Association of Scholars from East Africa (KASEA), Kenya Chapter (on-going).
- **Former Director** of Society of KASEA Scholarship programme (2011-2013).
- **Trainer** for Simba scouts on GPS tracking of lions, and verifying cases of predated livestock by wild carnivores (August-October 2009).
- **Former Board member** at Integrated Education for Community Empowerment (IECE) NGO (Year 2007-2008).
- **Former trainer** on capacity Building for Ngei 1 Development Youth Group, *Simama Pamoja* Peace Initiative and an Advisory Board Member for Integrated Education For Life (local NGO) (Year 2007-2008).
- UN conference **planning assistance** for hosting UNFCCC and the Basel Convention at UNEP Complex in Nairobi (July-September 2006)
- **Community educator** on health and sanitation at West Pokot, Kenya (Nov-Dec. 2004).

Awards

Poster Prize 1st Place, 2016 Africa ESP Conference

“Mapping land use potential for ecosystem services in data-scarce peri-urban landscapes: a case of Nairobi-Kiambu transection Kenya”.

Professional Working Tools and Software

Applied Microsoft Office, Vensim PLE, Ganttproject, ArcGIS, STAN 2.0.1703, SPSS 13.0, Eviews 6, TeXStudio, Lyx, CITAVI, MENDELEY, Basic applications in R-Statistics.

Membership

- The Wildlife Conservation Society
- Society of KASEA (a charitable organization for scholars of East Africa)
- KAAD & DAAD Scholars Alumni Association, <http://www.kaad.de/alumni/>
- Registered **EIA expert** with **National Environment Management Authority** (NEMA).
- ALTER-NET, <http://www.alter-net.info/>
- Ecosystem Services Partnership, <http://es-partnership.org/>

Referees

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Nairobi, 09.06.2021