

ACADEMIC STAFF PROFESSIONAL PROFILE FORM



1. Personal Data

Name: DR REBECCA KARANJA
Title/Qualifications: PhD IN PLANT SCIENCES
Department/Unit/Section: PLANT SCIENCES
Contact Address: 43844-00100
Position: SENIOR LECTURER
Area of Specialization:
PLANT ECOLOGY/CONSERVATION BIOLOGY
Research Interests: Pollination studies, Biovectoring, Habitat restoration, Sustainable Land Management, Biodiversity baseline and Monitoring studies.

2. Conference Presentations

S/No	Presenter	Title of Paper presented	City/Country	Date of Conference	Funding (US\$)

3. Research

S/ No	Researcher	Year	Title	Donor	Funding (US\$)

4. Funded projects

S/ No	Researcher	Year	Title	Granting Body	Funding (US\$)
	Dr Rebecca Karanja and Dr Silvia Vignolini	2016	An investigation into the interdependence of species with rainforest understory plant <i>Polllia condensata</i> .	ALBORADA	210056
	Prof Mary	2015	An Innovative	JKUAT RPE	45000

	Gikungu, Prof Sheiila Okoth & Dr Rebecca Karanja		Approach on the Use of Managed Bees (Honeybees) as Biocontrol Agents Vectors for Increased Coffee Production in Kiambu County.	Department	
	Dr Anastasia Muia, Dr Rebecca Karanja and Dr Anastasia Ngigi	2014	Assessment of residual herbicides in soils of Western Kenya sugar belt: their removal by native bacteria and their effects on non-target organisms	NACOSTI	28718.10

5. Publications

S/ No	Author	Year	Title	Journal	ISBN/ISS N Reference No.
	Waiganjo R , Karanja RHN, Mureithi, SM, Nyberg G and Mwangi, PN	2016	Impacts of enclosures on restoration of a semi-arid rangeland in West Pokot County, Kenya	Journal of Environment and Earth Sciences	ISSN 2225- 0948.
	Kariuki, C. W., Muia, A. W., Moturi, W. N., Ngigi, A N., and Karanja, R.H.N	2015	Relationships between Soil Physico-chemical Properties and Bacteria Counts in Nzoia SugarCompany Farms of Western Kenya	Egerton J. Sci. & Technol	Volume 15: 123- 131
	Kimtai, R, Karanja, B	2015	Adoption of	International	23197064

	and Karanja R.H.N		Purple Tea Farming as A Coping Mechanism to Climate Change, Kericho County, Kenya	Journal of Science and Research (IJSR)	
	Wangai N. Laura, Brenda Wamae Waithera, Muriira Geoffrey Karau, Ndura Boniface Koimhuri, Philip Karanja Ndura, Rebecca Karanja , Michael Kimani Gitau and Peter Kirira	2015	Investigation of the in vitro antioxidant activity, in vivo antidiabetic efficacy and safety of <i>Capparis tomentosa</i> aqueous roots extracts in male alloxanized mice	Journal of Medicinal Plants Studies	2320-3862 3(1): 42-47
	Rebecca H.N. Karanja, Mary W. Gikungu, Grace N. Njoroge & L.E. Newton	2014	Pollination Efficiency of bee species pollinating <i>Coffea arabica</i> in Kiambu County Kenya	Current Research Journal of Biological Science.	
	Josiah O. Kuja , Robert R. Jackson, Godfrey O. Sune, Rebecca N.H. Karanja, Zipporah O. Lagat and Georgina E. Carvell		<i>Nectar Meals Of A Mosquito-Specialist Spider.</i> Psyche:	A Journal of Entomology.	Article ID 898721, 7 pages: doi:10.1155/2012/898721
	Rebecca H.N. Karanja, Mary W. Gikungu, Grace N. Njoroge, L.E. Newton and John M. Kihoro	2012	<i>The role of bee pollinators in improving berry weight and coffee cup quality.</i>	Asian Journal of Agricultural Sciences	ISSN: 2041-3882; e-ISSN: 2041-3890
	Rebecca H.N. Karanja, Mary W. Gikungu, Grace N. Njoroge, L.E. Newton and John M. Kihoro	2011	<i>Comparison of Bee Pollinators of Coffee in Organic and Conventional Farms.</i>	Asian Journal of Agricultural Sciences	ISSN:2041-3890
	Rebecca H.N. Karanja, Mary W. Gikungu, Grace N. Njoroge, L.E. Newton and John M. Kihoro	2010	Bee interactions with wild flora around organic and conventional coffee farms in	<i>Journal of Pollination Ecology,</i>	1(2), 2010 pp 7-12

			Kiambu district, central Kenya.		
	Karanja R.H.N	2009	<i>Conservation status of exploited endangered species, Mount Kenya.</i>	VDM Publishing house	
	Njoroge, G.N, Ngamau, K., Wanjala, C. & Karanja R. H.N	2008	Pollination studies in various cropping systems in Mwingi: Case study of Agrobiodiversity.	F.A.O	

6. Consultancy and community service

S/ No .	Consultant (s)	Consulting Person/ Body/ Organization	Year	Title Consultancy Service	Payment (US\$)
1	Dr Rebecca Karanja	AfDB	2016/17	Independent Evaluation Of Two (2) AFdB - Funded Agriculture Projects In Kenya: Kimira OLUCH Integrated Water and Sanitation Project and Kenya Green Zones Development Support Project for Climate change adaptation and mitigation.	
2	Dr Rebecca Karanja by AGRICOM Consultants	IFAD	2015/2016	Desk and Field Appraisal of Common Interest groups for IFAD Upper Tana Natural Resources Management Projects Phase 2	
3	Dr Rebecca Karanja by AGRICOM Consultants	EU/DANIDA	2014	Midterm Evaluation of Community Development Trust Fund Environment projects for Youth and Women Enterprises in Narok, Migori, Kilgoris, Kapenguria and Laikipia	
4	Dr Rebecca Karanja	UNDP (United Nations Environmental Program)	2014	Midterm Evaluation of projects geared towards Mainstreaming Sustainable Land Management In Agro pastoral Production Systems In Kenya (Daadab, Kyuso, Mbeere and Narok)	
5	Dr Rebecca Karanja, Dr Lydia Wambugu and Ms. Purity Muthoni	UNDP	2013	Baseline assessment of Sustainable Land Management Practices in Laikipia County region in line with the COMDEKS approach (Community Development and Knowledge Management for the Satoyama) and identification of gaps for Small Grant Program- Individual Consultancy.	
6	Dr Rebecca Karanja/OCR A Consultants	FAO	2013	Study on Opportunities and Threats of Irrigation Development in Kenya's Drylands	
7	Dr Rebecca	EU/CDTF	2012	Team leader, Technical Evaluation of	

	Karanja/OCR A Consultants/A gricom Consultants			Community Proposals, Field Verification, ESIA and Training communities on Proposal Writing (For the Vulnerable Groups, Youth and Women Groups) for Community Development Trust Fund (CDTF/Agricom Consultants)	
	Dr Rebecca Karanja/ICRA F/JKUAT	Jomo Kenyatta University collaborating with University of Readings	2008	Building Ecosystem Services Research Capacity In Semi-Arid Africa (Bessa) .Biodiversity Appraisal In The Sasumua Water Catchment	

7. Affiliation to Professional Bodies

S/No	Name of professional body
	Registered Environmental Impact Assessment and Audit Lead Expert, National Environmental Management Authority, Kenya (NEMA). Registration Number 2680
	Member, of Environment Institute of Kenya
	Member, Ecological Society of Eastern Africa (ESEA)
	Member, Society for Conservation Biology (SCB)

8. National and International awards and Recognitions

S/No	Name of award or Recognition	Awarding Organization/Body	Year

9. External Examination (if any)

S/No	Institution	Year
	Nairobi University	2012-to now. Msc and PhD Thesis Supervision

10. Supervision of postgraduate students (if any)

S/No	Name of student	Thesis title	Status of project(e.g.Fiest year etc)
1	Angelina Nduta Mwenda (PhD).	Spatial Information in Public Consultation within Environmental Impact Assessments	Graduated
2	Teresa Njeri (PhD):	Quantification and economic valuation of selected ecosystem services in	Data Collection

		small scale farms in Maragua subcounty	
3	Regina Wambui Waiganjo	Impacts of enclosures on range productivity in Chepararia, West Pokot, Kenya.	Graduated
4	Anita Owino	Variations of physiological and biochemical characteristics of exotic species <i>Alternanthera philoxeroides</i> in different ecotypes with atmospheric CO ₂ increment	Graduated
5	Edwin Luguba Kadiori	Reproductive Strategies in Response to Climate Change in Alpine Plants: a Meta-Analysis	Graduated
6	Brenda Waithera Wamae	Investigation of the phytochemicals, antioxidant activity and anti-diabetic efficacy and safety of <i>Capparis tomentosa</i> roots	Defended Successfully
7	Ronald Kimtai Kirichwa	Determining The Socio-Economic And Technical Factors Hindering Adoption Of Purple Tea Farming By Farmers As An Adaptation Mechanism In Tea Sector To Climate Change In Kericho County	Almost Submitting
8	Charles Nyamwamu	Abundance And Diversity Of Weed Species In Farms In Kisii Central Sub County, Western Kenya	Almost Submitting
9	Stephen Mugo Ngoima	Determination Of Influence Of Trees Introduced To Smallholder Farmers In Middle And Lower Nyando Basin, Western Kenya	Thesis write up
10	Anne Wanjiru Wambugu	Assessment Of Impacts Of Irrigating High Value Crops On Water Quality Along The Kithinu And Mutonga Rivers Catchment Areas	Thesis Write up
11	Mercy Wanjiru Kariuki		Data Collection
12	Mercy Njoki Kimani	Wild Famine Food Plants At Ngoliba, Kiambu County; Their Diversity, Morphological Guide And Market Presence	Data Collection
13	Rose Cherotich Cheruiyot	Evaluate the impact of <i>Brachiaria</i> cultivars on improving soil physical, chemical and biological characteristics of Acrisol in Trans Nzoia County	Data Collection
14	Lilian Nyanchama	Impact Of Bee Abundance And Diversity On Beanproduction In	Proposal development

		Borabu Sub-County, Nyamira County	
15	Jane Muthoni Macharia	Managed Bees (<i>A. Mellifera</i>) As Vectors Of Bio-Control Agents And Pollinators Of Coffee A Case Study Of North Gatundu Constituency, Kiambu County, Kenya.	Proposal development
16	Justus Eregae	Valuation and modelling impact of unregulated exploitation and nutrient loading on marine resources in state and locally managed marine areas in Kenya	Proposal Development

11. Patents (if any)

S/No	
	Koimburi B.N., Gitau, M.K, Wangai, L.N, Karau, G.M., Karanja R.H.N & Ndura, P.K (2015): Capparis tomentosa; Medicinal product used in management of chronic diseases (2015).

12. Administrative positions held to date

Position	Dates
Botany Department Time tabler	2006 to 2009
Botany Department Examination Officer	2009 to 2015
Coordinator Biotechnology Programmes	2006 to 2013

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