

Curriculum Vitae for Najma Dharani (PhD)

1.1 PERSONAL PROFILE

1.1.1 Personal Details	
Name	: Najma Dharani (PHD)
PF. No.	: 7100
Department	: Department of Plant Sciences
Designation	: Senior Lecturer
Contact Address	: Kenyatta University, P.O. Box 43844-00100, Nairobi, Kenya
Email	: dharani.najma@ku.ac.ke
Mobile	: 0722-472012
Nationality	: Kenyan
Gender	: Female
Date of Birth	: 28/08/1963
Marital status	: Married with children
Area of Specialization	
• Plant/Environmental Ecology • Ethno-botany (Indigenous Useful Plants of East Africa) • Conservation Biology (Biodiversity Conservation and Management)	
Research Interests	
• Plant/Environmental Ecology: Impact of Urbanization and Industrialization (Toxic metal pollution) on Biodiversity of different ecosystems (Aquatic & Terrestrial) and their Conservation and Management • Ethno Botanical Research - Research on Medicinal Plants to prevent, treat and cure Human, Livestock and Poultry diseases. In addition, Ecology, Domestication, Utilization & Conservation of East African Indigenous Medicinal Plants. - Assessment of Ecological Distribution, Diversity, Abundance and Ethno-botanical Surveys of Indigenous Food Plants including their Utilization and Importance in food security, health, nutrition and their role in livelihoods of the various communities in East Africa. • Biodiversity Conservation and Management: Distribution, ecology, morphology, economic and socio-economic and ecological significance and conservation status of East African Flora and Fauna. • Ecosystem Restoration: Conservation and rehabilitation of degraded forest ecosystems (both marine and terrestrial) through community-based reforestation and restoration.	

- **Climate Smart Agriculture Practices & Principles of Evergreen Agriculture** for sustainable farming practices (Conservation Agriculture) used in the East African Region for better land use, enhancing soil fertility, food security, livelihood and environmental resilience & sustainability.

Research Affiliations

Google Scholar: <https://scholar.google.com/citations?user=XHjE1e8AAAAJ&hl=en>

ORCID ID: <https://orcid.org/0000-0002-0315-131X>

Research Gate: https://www.researchgate.net/profile/N_Dharani

1.1.2 Academic & Professional Qualifications

1. **PhD.** (Plant Ecology-2006), University of Nairobi, Kenya
2. **M.Sc.** (Plant Morphogenesis-1988), University of Karachi-Pakistan
3. **B.Sc.** (Hons. Botany-1986), University of Karachi-Pakistan

1.1.3 Employment History

- 1) Oct. 17th, 2017 to-date “Senior Lecturer”, Kenyatta University, Department of Plant Sciences
- 2) Jan. 16th, 2015 to 31st Aug. 2017 “Senior Lecturer”, Pwani University, Department of Environmental Sciences.
- 3) April 5th, 2009 to 15th Jan. 2015 “Lecturer”, School of Environmental Sciences, Kenyatta University.
- 4) Oct 12th 2008 to 5th April 2009 “Lecturer”, Dar es Salaam University College (DUCE), Department of Biological Sciences, Dar es Salaam, Tanzania.
- 5) Dec. 2003 to May 2007 “Part-time Lecturer”, Department of Land Use Resource Management and Agriculture Technology (LARMAT), University of Nairobi.
- 6) June 1993 to Dec. 2002 “Administrator” at Graffins College, Moi Avenue Nairobi, Kenya.
- 7) Jan. 1990 to Feb. 1992 “Lecturer in Botany” at Fatima Jinnah Govt. Girls College, Karachi, Pakistan.

Postgraduate Teaching

Marine Vegetation; Dynamics of Plant Communities; Climate Change and Global Warming; Biodiversity Conservation; Natural Resource Management; Ecology of Agronomic Crops; Land Use Dynamics and Conservation; Special Topics in Ecology.

Undergraduate Teaching

Advanced Plant Ecology; Advanced Environmental Ecology; Biodiversity Conservation & principles; Conservation/Protected Areas in East Africa; Biodiversity and

Conservation Biology; Aridland Ecology; Forest Ecology; East African Flora and Fauna; Endangered Species; Dryland Agroforestry; Plant Taxonomy; Principles of Ethnobotany; Rangeland Ecology.

1.1.4 Achievements

1. **Najma Dharani, (2022-Page No.70).** Ranking for Scientist List- Kenya Top 1000 AD Scientific Index 2022, Version 2. Published by World Scientist and University Ranking 2022 @ 2022 AD Scientific Index Ltd.
2. **Class Evaluation – Lecturer rating by Students,** I have consistently been rated between 90-100% on the average. This reflects my commitment in teaching and mentoring students. **(Please refer to section 1.3.1)**
3. I have authored, **“Field Guide to common Trees and Shrubs of East Africa”**, it has been a great success. First edition published in 2002, 3rd Edition in 2019. **“Medicinal Plants of East Africa”**, first edition published in 2010 and 2nd edition in June 2022. All **nine** books **(Please refer to section 1.2.2)** that I have authored are used by University, colleges, academics, researchers, professionals and university students, guides, tourists and plant enthusiasts and others.
4. Four of my **book launches** between 2010 and 2019 organized by World Agroforestry Centre (ICRAF) Headquarters, Nairobi, hosted by National Museums of Kenya (NMK) by Kenya Museum Society (KMS).
5. From 1999 to 2019, I have been Interviewd and featured as well as my published books reviewed in **Daily Nation, Standard, Star and East African Newspapers**, on the basis of my Conservation efforts and Community services that have been provided from my published books and my personal efforts.

1.2 PUBLICATIONS

1.2.1 Referred Journals

1. Eric Muthama, Namikoye Everlyne Samita, **Najma Dharani**, Rebecca Karanja **(29th May, 2024)**. Enhancing Climate-Smart Agricultural Practices: A focus on the production of African Indigenous Vegetables and Pulses in Kenya. International Journal of Agriculture and Technology (IJAT). 2024; 4(1): 1-11. ISSN: 2770-2928.
2. Eric Muthama, Rebecca Karanja, Namikoye Everlyne Samita, **Najma Dharani (30th September, 2023)**. Impacts of Selected Climate-Smart Agricultural Practices on African Indigenous Vegetables in Kenyan Drylands. *Trends in Agriculture Sciences*. 2(3), 2023, 378-386. ISSN: 2957-9449 (Online); ISSN: 2957-9430 (Print). <https://doi.org/10.17311/tas.2023.378.386>.
3. **Najma Dharani (2020):** A review of Phytochemical Constituents and Pharmacological Activities of Ethnomedicinal *Warburgia ugandensis* Sprague ssp. *ugandensis* in East Africa. *Pharma. J. Kenya*. Vol. 24, No.03; Pp 67-71. ISSN: 2411-6386.
4. Carol J Rotich and **Najma Dharani (2018)**. Species Distribution, Diversity and Conservation of Indigenous Medicinal Plants in Selected Areas of Baringo

- County, Kenya. J. Chem. Bio. Phy. Sci. Vol. 8, No. 3; 000-000. [DOI:10.24214/jcbps.B.8.3.00000.].
5. **Najma Dharani (2017).** Traditional Ethnomedicinal uses and phytochemical compounds of *Carissa spinarum* L. in East Africa: a review. Pharm Journal - Published by Kenyatta University Pharmacy Students Association (KUPHSA). Kenyatta University Press (KUP). PHARM J. Vol. 2, Issue, 1.
 6. **Najma Dharani (2017).** Traditional Ethnomedicinal uses, phytochemistry and pharmacological properties of *Balanites aegyptiaca* (L.) Del. in East Africa: a review. Pharm Journal - Published by Kenyatta University Pharmacy Students Association (KUPHSA). Kenyatta University Press (KUP). PHARM J. Vol. 2, Issue, 1.
 7. **Najma Dharani (2016).** A Review of Traditional Uses and Phytochemical Constituents of Indigenous Syzygium Species in East Africa. Pharma. J. Kenya. Vol. 22, No 4. ISSN 2411-6386.
 8. **Najma Dharani (2016).** A Review of Traditional Medicinal Uses and Phytochemical Constituents of Exotic Syzygium Species in East Africa. Pharma. J. Kenya. Vol. 22, No 4. ISSN 2411-6386.
 9. Rita Kanini Mulatya, Benards Okeyo, **Najma Dharani (7th October, 2023).** Assessment of Ecological Distribution, Species Diversity, Utilization and Conservation of Indigenous Medicinal Plants in Kilifi North, Kilifi County, Kenya. International Journal of Plant, Animal and Environmental Sciences (fortune journals).13 (4): 91-105. ISSN: 2231 – 4490. DOI:10.26502/ijpaes.4490155.
 10. David Amakanga, Benards Okeyo and **Najma Dharani (2021).** The Assessment of Structure and Natural Regeneration Capacity of *Avicennia marina* and *Bruguiera gymnorrhiza* Species of Mangroves in Mida Creek Kilifi County, Kenya. Int. J. Plant Anim. Environ. Sci. 11(2): 262-294. (DOI: 10.26502/ijpaes.202106).
 11. Ogola Kevin Omollo, **Najma Dharani** and Benards Okeyo (2021). Assesment of sequestration potential and biomass accumulation of managed mangrove plantations of Mida Creek, Kilifi County, Kenya. Int. J. Plant Anim. Environ. Sci. 11(2): 233-250. (DOI: 10.26502/ijpaes.202104).
 12. Godfrey Wafula, Mwakio Tole, **Najma Dharani** and Stanley Nadir (2020). Effectiveness of EPZ Wastewater Treatment Plant in reducing Pollutants discharged into River Athi, Kenya. J. Envir Sci & Engineer. B9: 261-276. Print: A (ISSN 2162-5298); Online: A (ISSN 2162-5301). Doi: 10.17265/2162-5263/2020.06.004.
 13. Hussein A. Aden and **Najma Dharani (2019).** Investigation of the Distribution and Abundance of Butterfly in the Nature Reserve of Arabuko Sokoke Forest Reserve, Kilifi County, Kenya. Int J Plant Anim Environ Sci 2019; 9 (4): 222-236. (DOI: 10.26502/ijpaes.008)
 14. Wanyera Francis, Kinyamario J., **Najma Dharani** and Robert M. Chira (2018). Ecotourism and local community activities on ecosystem changes in and around Volcanoes National Park, Rwanda. Int. J.of Plt, Ani and Env. Sci. (IJPaes), Vol. 8, No. 3. ISSN-2231-4490 (DOI: 10.21276/Ijpaes).

15. Wanyera Francis, Kinyamario J., **Najma Dharani** and Robert M. Chira (2018). Population dynamics and land-use changes around protected areas. A case of Bwindi Impenetrable National Park, Uganda. Int. J.of Plt, Ani and Env. Sci. (IJPaes), Vol. 8, No. 3. ISSN-2231-4490 (DOI: 10.21276/Ijpaes).
16. Demissew T. and **Najma Dharani** (2016). Assessment of the Ecological Distribution, Species Diversity and abundance of Medicinal Plants in Central Kajiado, Kajiado County, Kenya. Int. J.of Plt, Ani and Env. Sci. IJPaes, Volume-6, Issue-3, ISSN-2231-4490.
17. Demissew Tsigemelak, **Najma Dharani**, Jenesio I Kinyamario, Samuel Kiboi (2016). The Utilization of Medicinal Plants by the Masaai community in arid lands of Kajiado County, Kenya. Int. J.of Plt, Ani and Env. Sci. IJPaes, Volume-6, Issue-3, ISSN-2231-4490.
18. Christopher M.Ndolo, **Najma Dharani**, Katja K (2016). Socioeconomic and Biophysical factors affecting tree richness and diversity in Machakos County, Eastern Kenya. Int. J.of Plt, Ani and Env. Sci. IJPaes, Volume-6, Issue-3, ISSN-2231-4490.
19. **Najma Dharani**, J. M. Onyari., J. I. Kinyamario., D. M. Maina., K. M. Mavuti (2010). Distribution of Zn and Cd levels in Soils and *Acacia xanthophloea* Benth, from Lake Nakuru National Park, Kenya. Bull. of Env. Cont. Toxi, Springer New York, USA.Vol, 3: 318 – 323.
20. **Najma Dharani**, J. I. Kinyamario., Peter W. Wagacha., A. J. Rodrigues (2008). Browsing impact of large herbivores on *Acacia xanthophloea* Benth in Lake Nakuru National Park, Kenya. African Journal of Ecology-Blackwell Publishing Ltd-UK. Vol, 47: 184 – 191.
21. **Najma Dharani**, John Onyari, David Maina, Kenneth M. Mavuti (2007). The Distribution of Cu and Pb levels in Soils and *Acacia xanthophloea* Benth, from Lake Nakuru National Park, Kenya. Bull. of Env. Cont. Toxi, Springer New York, USA. Vol, 79: 172 – 177
22. **Najma Dharani**, Jenesio. I. Kinyamario, John Onyari (2006). Structure and Composition of *Acacia xanthophloea* woodland in Lake Nakuru National Park, Kenya. African Journal of Ecology-Blackwell Publishing Ltd-UK. Vol, 44: 523 – 530
23. **Najma Dharani** and Mahmood, A. (1992): Histology of Root nodules in *Trigonella foenum-graecum* L. Pak. J. Ecol, 6: 50 – 67.

1.2.2 University Level Scholarly Books

1. **Najma Dharani** and Abiy Yenesew (August 2022). An Illustrated Guide to MEDICINAL PLANTS OF EAST AFRICA (2nd Edition). Struik Random House Publishers, Cape Town, South Africa. ISBN:978 1 77584 787 8 (Print); ISBN: 978 177584 788 5 (ePub).
2. **Najma Dharani**, McMullin S, Stadlmayr B, Kigathi R, Kindt R, Ng’ethe E, Jamnadass R, Kehlenbeck K. (October 2022). FRUITING AFRICA-Fruit Trees and Shrubs of Kenya. World Agroforestry Centre (ICRAF), Nairobi-Kenya.. ISBN: 978-9966-108-51-7.
3. **Najma Dharani** (2019). Field Guide to common Trees and Shrubs of East Africa (Revised-3rd Edition). Struik Random House Publishers, Cape Town, South Africa. ISBN: 978 1 77007 888 8.

4. **Dharani N**, Yenesew A, Aynekulu E, Tuei B, Jamnadass R (2015). *Ethno veterinary Medicine in East Africa*. World Agro forestry Centre, (ICRAF), Nairobi-Kenya. ISBN: 978-92-9059-335-5.
5. **Najma Dharani (2011)**. *Field Guide to common Trees and Shrubs of East Africa (Revised-2nd Edition)*. Struik Random House Publishers, Cape Town, South Africa. ISBN: 978 1 77007 888 8.
6. **Dharani N**, Rukunga G, Yenesew A, Mbora A, Mwaura L, Dawson I, Jamnadass R (2010). *Common Antimalarial Trees and Shrubs of East Africa –A description of species and a guide to cultivation and conservation through use*. World Agro forestry Centre, (ICRAF), Nairobi-Kenya. ISBN: 978 92 9059 238 9.
7. **Najma Dharani** and Abiy Yenesew (2010). *Medicinal Plants of East Africa-An Illustrated Guide*. Published by Najma Dharani in association with Drongo publishing, Nairobi-Kenya. ISBN: 978-9966-05-167-8.
8. **Najma Dharani (2006)**. *Field Guide to Acacias of East Africa*. Struik Random House Publishers, Cape Town, South Africa. ISBN: 9781770071742.
9. **Najma Dharani (2002)**. *Field Guide to common Trees and Shrubs of East Africa (1st Edition)*. Struik Random House Publishers, Cape Town, South Africa. ISBN: 978 1 77007 888 8.

1.2.3 Tertiary Levels Scholarly Books

1. **Najma Dharani** and Abiy Yenesew (August 2022). *An Illustrated Guide to MEDICINAL PLANTS OF EAST AFRICA (2nd Edition)*. Struik Random House Publishers, Cape Town, South Africa. ISBN:978 1 77584 787 8 (Print); ISBN: 978 177584 788 5 (ePub).
2. **Najma Dharani**, McMullin S, Stadlmayr B, Kigathi R, Kindt R, Ng’ethe E, Jamnadass R, Kehlenbeck K. (October 2022). *FRUITING AFRICA-Fruit Trees and Shrubs of Kenya*. World Agroforestry Centre (ICRAF), Nairobi-Kenya.. ISBN: 978–9966–108–51–7.
3. **Najma Dharani (2019)**. *Field Guide to common Trees and Shrubs of East Africa (Revised-3rd Edition)*. Struik Random House Publishers, Cape Town, South Africa. ISBN: 978 1 77007 888 8.
4. **Dharani N**, Yenesew A, Aynekulu E, Tuei B, Jamnadass R (2015). *Ethno veterinary Medicine in East Africa*. World Agro forestry Centre, (ICRAF), Nairobi-Kenya. ISBN: 978-92-9059-335-5.

1.2.4 Refereed Learning Modules

1. **SBT 861: Dynamics of Plant Communities**. Module vetted by Dr Rebecca Karanja. Copyright @Kenyatta Univerity, 2020.
2. **SBT 309: Advanced Plant Ecology**. Module vetted by Dr Grace Ngaruiya. Copyright @Kenyatta Univerity, 2021.
3. **SCB 302: Conservation Principles**. Module vetted by Dr Grace Ngaruiya. Copyright @Kenyatta Univerity, 2021.

1.2.5 Reviewed Conference Papers

1. Eric Muthama, Namikoye Everlyne Samita, **Najma Dharani**, Rebecca Karanja. Enhancing Resilience: Sustainable production of African Indigenous Vegetables (AIVs) and pulses in Muranga County through Climate Smart Agricultural Practices. Ist Joint International Scientific Conference. 3rd to 5th June 2024. National Museums of Kenya (NMK). ISBN: 9966-955-27-5
2. Eric Muthama, **Najma Dharani**, Namikoye Samita and Rebecca Karanja Revolutionizing Pest Control: Unveiling the dynamic impacts of Integrated Pest Management (IPM) on insect pest populations in pulse crops in Muranga County, Kenya. Ist Joint International Scientific Conference. 3rd to 5th June 2024. National Museums of Kenya (NMK). ISBN: 9966-955-27-5
3. Eric Muthama, Rebecca Karanja, **Najma Dharani** and Namikoye Samita. Insect pest's diversity and abundance as influenced by Integrated Pest Management strategies on African Indigenous Vegetables and pulses in Muranga County, Kenya. Conference on Basis and Applied Sciences. 16th to 18th November, 2022. Kenyatta University, School of Pure and Applied Sciences.

1.2.6 Non-Reviewed Conference Papers

1. A. Musyoki, E. Namikoye Samita, **Najma Dharani**, Rebecca Karanja, E. Kioko. Missing Link: Indigenous knowledge and farmer practices associated with pulses and African Indigenous Vegetables (AIVs) production in pollinator conservation farms in Muranga County, Kenya. Ist Joint International Scientific Conference. 3rd to 5th June 2024. National Museums of Kenya (NMK). ISBN: 9966-955-27-5.
2. A.M. Musyoki, E. Namikoye Samita, **Najma Dharani**, Rebecca Karanja, E. Kioko. Polyculture: A bait for farm pollinator diversity in Muranga County, Kenya. Conference on Basis and Applied Sciences. 16th to 18th November, 2022. Kenyatta University, School of Pure and Applied Sciences.
3. Eric Muthama, Namikoye Everlyne Samita, Rebecca Karanja, **Najma Dharani**. Understanding the production of African Indigenous Vegetables and pulses in the context of Climate Smart Agricultural Practices in Muranga County. Ist Joint International Scientific Conference. 3rd to 5th June 2024. 1st Kenya Agricultural and Livestock Research Organization Scientific Conference. 27th to 31st March 2023.

1.2.7 Conferences, Workshops and Seminars Attended

1. 3rd to 6th June 2024. 1st Joint International Scientific Conference on “Utilization of Biological resources for sustainable development, nature conservation, and climate resilience”. Organized by National Museums of Kenya (NMK).
2. 29th May 2024. One day symposium on “Convergence of Entomology, Agroecology and Genomics for the Environmental Sustainability”. Kenyatta University, Dept. of Plant Sciences in collaboration with National Institute of Agricultural Botany (NIAB-UK).
3. 24th Nov. 2023. Virtual-12th Conference of SEB – Kenya and 5th International Conference of NAPRECA – Kenya.
https://us02web.zoom.us/meeting/register/tZYld6ppzooEtLJf08EXmXc_o2xWnZDzorh.

4. 9th Nov. 2022. Online semiar on “Faith-Based Approaches for Landscape Restoration in Kenya. Organized by Regreening Africa-EU-CIFOR-ICRAF.
5. 26th Oct. 2022. Online semiar on “Accelerating Restoration Action Through Youth and Women”. Organized by Regreening Africa-EU-CIFOR-ICRAF.
6. 29th June 2022. Online seminar on “Beyond Blue Carbon-Perspectives from the Geosciences”. Organized by Department of Geosciences, Bremen University - Germany.
<https://unibremen.zoom.us/j/97667626188?pwd=U093anJYZzlnM3Nyc2hrbnZVT09DZz09>
7. 25th May 2022. Conference on "Sustainability: multidisciplinary approaches from Italian and Kenyan researchers". Italian Cultural Institute, Cultural Dept. of the Embassy of Italy, Nairobi-Kenya.
8. 9th March 2022. Workshop on zoom: Restoration of degraded lands in Sub-Saharan Ecosystems. Organized by Regreening Africa-EU-CIFOR-ICRAF.
9. 22nd October 2021. Stakeholders’ Consultation Workshop on “Diagnostic Study on the Application of Herbal and Traditional Medicine in the Prevention and Therapy of COVID and other Diseases in the East African Community. Pharm-Bio Technology and Traditional Medicine Centre, Mbarara University of Science and Technology. Sarova Stanely Hotel, Nairobi, Kenya.
10. 9th to 16th July 2021. Kenya National Landscape Restoration Scaling Virtual Conference. Catalyzing action for landscape restoration. Organized by Regreening Africa (ICRAF).
11. 2nd to 3rd June 2021. Restoring Africa’s Drylands. Accelerating action on the ground. Virtual Conference organized by Global Landscapes Forum (GLF) Africa.
12. 27th May 2021. Private sector engagement in Kenya’s landscape restoration efforts. Webinar seminar. Organized by Regreening Africa (ICRAF-Nairobi).
13. 25th March 2021. The Roots of the FMNR Movement in Kenya. Webinar seminar. Organized by Regreening Africa (ICRAF-Nairobi).
14. 11th to 12th Feb. 2021. Conservation & Tourism for Improved Livelihoods. Virtual conference organised by Wildlife Clubs of Kenya in collaboration with IUCN Commission on Education and Communication.
15. 28th Jan 2021 (2.00 -5.00pm). Face to face-Training on Turn-it-in, Creating Orchid and Google Scholar accounts. Organized by School of pure and Applied Sciences (SPAS) in collaboration with the Chief University Librarian. Kenyatta University.
16. 27th Jan 2021. Virtual Learning Experience: Youth Power in Restoration. Youth empowerment for engagement in restoration. Conference organized by Regreening Africa, CIFOR, World Agroforestry Centre.
17. 17th Sept. 2020. The Article Publishing Process: An Elsevier Workshop on Zoom. ELSEVIER.
18. 9th Sept. 2020. Training on Blended Learning Online Facilitation. Organized zoom workshop by Digital School of Kenyatta University.
<https://zoom.us/j/96850258914?pwd=LzdOYWVhZjZlN3Nyc2hrbnZVT09DZz09>
19. 3rd to 17th July 2020 (on zoom): Training of Trainers: How to use Moodle/Camtasia for creating and animating an online training course for Kenyatta University –Plant Sciences Department. <https://training.coleacp.org/course/view.php?id=328>.
20. 10th June, 2020 (on zoom). Training on On-line module writing Zoom meeting by Dr. Rhoda Gitonga, Digital School-Kenyatyta University. Video slides attached.
21. 27th February, 2020: Launch of the indigenous vegetables (Multi-stakeholders

- partnership) at Agriculture Training Centre, Soilo- Nakuru.
22. 29th October 2019: Programme for Internationalization of Research and Resource Mobilization for Impact. Kenyatta University- BSSC, Room 14.
 23. 30th to 31st October 2019: Annual Carnivore Conference. Kenya Wildlife Services Headquarters, Nairobi-Kenya
 24. November 26, 2019: A workshop on SWITCH Africa Green's Green to Grow project: an overview of a revenue generation approach for sustainable consumption and production dissemination in Kenya. Main Conference Hall ICRAF Headquarters, Nairobi, Kenya.
 25. 17th to 19th April 2018: 2nd National Conservation Agriculture Conference, Kenya. FAO Conference at Safari Park Hotel, Nairobi, KENYA.
 26. 17TH to 23rd March 2017: Conference "The Promotion of IBAs at Mumoni and Mutito". Organized by Tourism and Hospitality, Kitui County Government. Mwingi-Kitui County.
 27. 10th- 11th May, 2016: 1st National Conservation Agriculture Conference, Kenya. FAO Conference at Safari Park Hotel, Nairobi.

1.3 QUALITY TEACHING, LEARNING AND MENTORSHIP

1.3.1 Student Evaluations

1. 2025/2026 – SBT432- (Arid Land Ecology) 93.06% (A)
2. 2023/2024 -SBT 407-(Arid Land Ecology) 98.03% (A)
3. 2022/2023 -SBT 325-(Advanced Plant Ecology) 96.55% (A)
4. 2022/2023 -SCB 407-(Biodiversity and Conservation Biology) 100% (A)
5. 2022/2023 -SCB 302-(Conservation Principles) 100% (A)
6. 2021/2022 –SCB 302 (Conservation Principles) 100% (A)
7. 2019/2020 –SCB 407 (Biodiversity and Conservation Biology) 99.08% (A)
8. 2019/2020 –SCB 400 (4th Year Research Projects) 99.08% (A)
9. 2019/2020 –SCB 309 (Conservation Areas in Kenya) 85.06% (B)
10. 2019/2020 –SBT 861 (Dynamics of Plant Communities) 100% (A)
11. 2018/2019 –SCB 309 (Conservation Areas in Kenya) 94.08% (A)
12. 2014/2015 –ENS 230 (East African Flora and Fauna) 97% (A)
13. 2013/2014 –ENS 241 (Endangered Species) 94% (A)
14. 2012/2013 – ENS 132 (Environmental Biology) 88% (B)
15. 2012/2013 – ERC 412 (Mountain Ecology) 97% (A)
16. 2012/2013 – EFA 519 (Ecology of Agronomic Crops) 100% (A)
17. 2012/2013 – ENS 132 (Environmental Biology) 83% (B)
18. 2010/2011 – PC Evaluation Results-Ranking of all Dept. Teaching Staff (A)

1.3.2 Ongoing MSc. & PhD. Students Supervision

1. **Mustafa Nabiswa Barasa (MG20/PU/36047/22).** A Study To Investigate The Impact Of Vegetation Structure On Golden Weaver Population Dynamics In Haller Park, Mombasa. (MSc. Student- Dept. of Env. Sci. Pwani University **Successfully defended proposal**)
2. **Mohammed Rawya Harith (I56/CE/20850/2023).** Effects of nutrient enrichment on coral health, macroalgal growth and community structure in Malindi Marine Park, Kilifi County-Kenya. (MSc. Student, Dept. of Plant Sciences, Kenyatta University- **Waiting to defend Proposal**).
3. **Ogola Kevin Omollo (I84/20082/2022).** Carbon Stocks and Biomass Accumulation of Selected Mangrove Species of Kilifi Creek, Mida Creek and Selected Tree Species of Arabuko Sokoke Forests, Kilifi County Kenya. (PhD. Student, Dept. of Plant Sciences, Kenyatta University-**Data collection & Analysis of results**).
4. **Kennedy Mbole Kilonzo (A145/OL/CTY/34617/2016).** Pest status and their management in citrus fruits in Makueni County, Kenya. (MSc. Student- Dept. of Agriculture, Kenyatta University. Proposal has been submitted to the department for reviewing).
5. **Alex Mutinda Musyoki (A145/CTY/22529/2011).** Polyculture impact on pollinator diversity and yields in pulses and indigenous vegetables, and associated indigenous knowledge in Muranga County, Kenya (MSc. Student- Dept. of Agriculture, Kenyatta University – **Data collection and analysis**).
6. **Linda Sogot (MG20/PU/36049/19).** Evaluation A study of butterfly species diversity and abundance in the Vipingo quarry Reserveland of Bamburi Cement, Kilifi County-Kenya. (MSc. Student- Dept. of Env. Sci. Pwani University –**Data collection**).

1.3.3 Supervision of Postgraduate Students

1.3.3.1 MASTERS (Completed)

1. **Eric Muthama (A145/CTY/20152/2020).** Pest population and yield dynamics of African Indigenous Vegetables (AIVs) and Pulses under different Climate Smart Agricultural practices in Murang'a County, Kenya. (MSc. Student- Dept. of Agriculture Kenyatta University – **Student graduated on 19th July 2024**).
2. **Rita Mutalya (MG20/PU/36010/16).** Assessment of the Ecological Distribution, -Species Diversity, Abundance and Utilization of Medicinal Plants in Selected Areas of Kilifi County, Kenya. (MSc. Student- Dept. of Env. Sci. Pwani University (**Student graduating in August 2024**).
3. **Ogola Kevin Omollo (I56/37485/2017).** Assessment of sequestration potential and biomass accumulation in managed mangrove plantations of Mida Creek, Kilifi County Kenya. (MSc. Student, Dept. of Plant Sci. KU- (**Student graduated on 17th December 2021**).
4. **Godfrey Wabwile Wafula (N50/PUC/2040/12).** Assessment of the influence of industrial effluent on the performance of Mavoko sewer treatment ponds, Machakos County, Kenya. (MSc. Pwani University, Dept. of Env. Sci. Student defended his thesis on 19th January 2021). (**Student graduated on 15th July 2021**).

5. **David A. Erasto (MG20/PU/36088/16).** Assessment of Structure and Natural regeneration of *Avicenia marina* and *Bruguiera gymnorhiza* species of mangroves in Mida Creek, Kilifi County, Kenya. (MSc. Pwani University, Dept. of Env. Sci. Student defended his thesis on 15th December 2021). **(Student graduated on 15th July 2021).**
6. **Hussein Aden (N50/PU/6065/15).** Investigation of the impact of butterfly farming and harvesting on wild butterfly population in the nature reserve of Arabuko Sokoke Forest. (Pwani University, Dept. of Env. Sci.). **(Student graduated on 15th July 2021).**
7. **Mutunga Christopher Ndolo (N50/21206/2010).** Socio-economic and biophysical factors affecting tree diversity on farms in Mwala, Kangundo and Machakos divisions, Machakos county, Kenya. (KU- Dept. of Environmental Science). **(graduated in August 2017).**
8. **Carol Jeruto Rotich (N50/CTY/PT/23013/11).** Distribution, diversity and integration of traditional knowledge on indigenous medicinal plants and their contribution to primary healthcare and livelihoods of rural communities in Marigat district, Kenya (KU- Dept. of Environmental Sciences). **(Student graduated in Dec. 2015).**
9. **Demissew T. Gebreyohannes (N50/12313/2009).** Distribution, Diversity and Integration of Traditional Knowledge on Indigenous Medicinal Plants and their contribution to primary healthcare and livelihoods of rural communities in Central Kajiado, Kenya (University of Nairobi- Dept. of Botany). **(Student graduated in August 2013).**
10. **Raphael Wanjala Wanyonyi (N50/15/427/2008).** Impact of Human Population on Land Degradation in Lugari District, Western Province, Kenya. (KU- Dept. of Environmental Sciences). **(Student graduated in December 2012).**
11. **Pamella Wambui Kunyuga (N50/12342/2009).** Assessment of Genetic Diversity of *Sorghum bicolor* landraces from Tanzania using SSR markers: Implications for conservation (KU- Dept. of Environmental Sciences). **(Student graduated in December 2012).**

1.3.3.2 PhD (Completed)

1. **Wanyera John Francis (180/92021/2013).** Climate variability and anthropogenic impacts on ecosystems and eco-tourism in protected areas: a case of Bwindi impenetrable national park, Uganda. Department of Botany-University of Nairobi. **(Student graduated in Dec. 2022)**
2. **Kathiai Joseph Karauka (N50/ 85/1360/2009).** Integrated of Trees with Food Crops in Different Agro-ecological Systems: A comparative Analysis of Soil fertility in Kenya. KU- Dept. of Environmental Sciences. **(Student graduated in Dec. 2016).**

1.4 PROFESSIONAL/CONSULTANCY

1.4.1 Networks/Collaborations

1. Member of the Council of Fellows of the Global EverGreening Alliance (GEA)

2. Pwani University, Kilifi-Kenya
3. World Agroforestry Centre
4. KMS (Kenya Museum Society)- Council Member
5. NATURE KENYA- National Museums of Kenya (Member, connecting nature & people)
6. University of Nairobi (UoN)

1.4.2 Editorial Boards / Referee for professional periodicals

2. **Sept. 2019 -31st Dec. 2022:** Coordinator /Editor-in Chief/Editorial Board Member- African Journal of Pure and Applied Sciences (AJPAS), SPAS journal-Kenyatta University.

<https://journal.ku.ac.ke/index.php/AJPAS>

<https://journal.ku.ac.ke/index.php/AJPAS/issue/view/28>

<https://journal.ku.ac.ke/index.php/AJPAS/issue/archive>

<https://journal.ku.ac.ke/index.php/AJPAS/about/submissions>

<http://www.ku.ac.ke/index.php/ku/item/1905-call-for-papers-african-journal-of-pure-and-applied-sciences-ajpas>

<http://spas.ku.ac.ke/>

3. **Sept 2019 – to date** Editorial Board Member, Subject Editor & Poof Reader (AJPAS)

1.4.3 Consulting for Organizations/Institutions

1. **May 2017 to October 2022:** Principal Investigator/Coordinator of the project. Research on. Fruiting Africa: Food trees and shrubs of Kenya. Funded by World Agroforestry Centre (ICRAF), IFAD, EU and World Bank.
2. **August to December 2018:** Report on Preliminary Botanical Survey including Identification, Suitability and availability of Indigenous/Local Plant Species within and around Kampala for the Aga Khan University Hospital site in Nakawa – Kampala
3. **29th November to 2nd December 2017:** BOTANICAL SURVEY – Audit & Recommendations of Vegetation and Landscape for Aga Khan Academy-Mombasa.
4. **14th June 2014 to 11th July 2015:** Evergreen Agriculture Curriculum Development for Universities in Eastern and Southern Africa (Funded by ICRAF –East Africa and ANAFE Project)
5. **March 2010 to May 2015:** Principal Investigator/Coordinator of the project. Research on Ethno-veterinary medicinal plants to cure livestock and poultry diseases. Funded to World Agroforestry Centre by IFAD, EU and World Bank. (Partners: Ministry of Livestock (GoK), University of Nairobi, ICRAF & Kenyatta University).
6. **March 2012:** Mara Base camp Foundation (Contribution to Master Plan for Mara Naboisho Conservancy)
7. **January 2011 to December 2013:** Principal Investigator/Coordinator of the project. Evergreen Agriculture in Eastern & Southern Africa (CAWT-SIDA Project funded to ICRAF East Africa Programme, funded by IFAD, EU, World Bank)

8. **January 2008 to July 2010:** Principal Investigator/ Coordinator of the project. Anti-malarial Trees and Shrubs of East Africa. Funded to World Agroforestry Centre by IFAD, EU and World Bank (Partners KEMRI, University of Nairobi, GoK, ICRAF & Kenyatta University).

1.4.4 Membership to Academic/Professional bodies

- i. KMS (Kenya Museum Society)- Council Member
- ii. NATURE KENYA- National Museums of Kenya (Member, connecting nature & people)
- iii. Member of the Council of Fellows of the Global EverGreening Alliance (GEA)

1.4.5 Any Other

1.4.5.1 External Examiner (MSc. & PhD. Thesis)

1. **Ms Lynn Njeri Njuguna (August 2020).** The impact of the feeding behaviour of elephants on tree species regeneration in Arabuko Sokoke Forest ecosystem in Kilifi County, Kenya. **(MSc. Thesis- Department of Environmental Sciences, Pwani University)**
2. **Ms Rael Nelly Nyanchama (August 2020).** Examining the abundance and nesting behaviour of golden rumped elephant shrews (*Rhynchocyon chrysophygus*) in Arabuko-Sokoke forest, Kilifi County. **(MSc. Thesis- Department of Environmental Sciences, Pwani University)**
3. **Ms Maryanne M. Gitari (July 2019):** Assessment of Leopard (*Panthera pardus*) and Spotted Hyena (*Crocuta crocuta*) diet and prey base along Burguret trail in Mt. Kenya forest, Kenya. **(MSc. Thesis-School of Biological Sciences, University of Nairobi)**
4. **Charles N. Nyamwamu (March 2019):** Abundance and Diversity of Weed species in Farms in Kisii Central sub County, Western Kenya. **(MSc. Thesis-School of Biological Sciences, Dept. of Botany, JKUAT)**
5. **William K. Ruto (October 2018):** Influence of Human Population and Land–Use changes on environmental quality of a Riparian Ecosystem: A case study of Saiwa Swamp, Trans Nzoia County, Kenya. **(PhD Thesis- College of Biological and Physical Sciences, University of Nairobi)**
6. **Bernard Ochieng (July 2018):** Evaluating the population status and foraging ecology of sable antelope (*Hippotragus Niger roosevolti* – Heller) in Shimba Hill National Reserve, Kenya. **(MSc. Thesis- Department of Environmental Sciences, Pwani University)**
7. **Mr. Felix S. Abdalla (June 2014):** Comparative autecology of tree species using leaf and wood traits within nine forests of the Taita Hills. **(MSc. Thesis- School of Biological Sciences, University of Nairobi)**
8. **Mr. Simon F. Nguru (December 2013):** Developing strategies for restoration of a disturbed site in Kakamega forest using *Arbuscular Mycorrhiza* Fungi (AMF) Developing strategies for restoration of a disturbed site in Kakamega forest using

Arbuscular Mycorrhiza Fungi (AMF). (MSc. Thesis- School of Biological Sciences, University of Nairobi)

1.4.5.2 EditorShip /Peer Review

1. Sept. 2019 -31st Dec. 2022: Coordinator /Editor-in Chief/Editorial Board Member of peer reviewed journal – “African Journal of Pure and Applied Sciences (AJPAS)”, SPAS journal-Kenyatta University.

2. Sept 2019 – to date: Editorial Board Member, Subject Editor & Proof Reader of African Journal of Pure and Applied Sciences (AJPAS)

1.5 ADMINISTRATIVE AND RESPONSIBILITIES

1.5.1 Recognized University administrative positions

- | | |
|--|--|
| i. Sept 2019 - 31st Dec 2022 | Coordinator and Editor-in Chief- African Journal of Pure and Applied Sciences (AJPAS), SPAS journal-Kenyatta University. |
| ii. Sept 2019 – to date | Editorial Board Member, Subject Editor & Proof Reader (AJPAS) |

1.5.2 Other Departmental responsibilities

- i. 2026: Department of Plant Sciences-Administrative Duties**
 - Departmental Head Teaching Programme Leader
 - Botanical Gardens & Greenhouse Committee member.
 - Board of Postgraduate Studies (BPS committee-Member)
 - Departmental Field Trips Committee Member- Dept.of Plant
- ii. 2025: Department of Plant Sciences-Administrative Duties**
 - Botanical Gardens & Greenhouse Committee member.
 - Board of Postgraduate Studies (BPS committee-Member)
 - Departmental Field Trips Committee Member- Dept.of Plant
- iii. 2024: Department of Plant Sciences-Administrative Duties**
 - Botanical Gardens & Greenhouse Committee member.
 - Board of Postgraduate Studies (BPS committee-Member)
 - Departmental Field Trips Committee Member- Dept.of Plant
- iv. 2023: Department of Plant Sciences-Administrative Duties**
 - Botanical Gardens & Greenhouse Committee member.
 - Board of Postgraduate Studies (BPS committee-Member),
 - Departmental Field Trips Committee Member- Dept.of Plant
- v. 2022: Department of Plant Sciences-Administrative Duties**
 - Botanical Gardens & Greenhouse Committee member.
 - Board of Postgraduate Studies (BPS committee-Member)
 - Examination Moderation Committee

1.5.3 Internal Examiner (PhD. & MSc.)

1. **Karugia Elijah Samuel (April 2022):** Influence of climatic and edaphic factors of resilience and productivity of herbaceous forage species in Kivaa and Ntugi, Eastern Kenya. (PhD. thesis-Kenyatta University)
2. **Withaka Alice Nduta (April 2022):** On-farm integrated management of fruit flies (Tephritidae) infesting pumpkins (*Cucurbita maxima* Dutch.) in Machakos County, Kenya. (MSc thesis-Kenyatta University)
3. **Mutiso J. Wafula (February 2020):** Effects of Organic and Inorganic mulching on weeds, diseases, growth and yield of tomato (*Solanum lycopersicum*) in Bungoma County, Kenya. (MSc thesis-Kenyatta University)
4. **Chebet Gladys (February 2019):** Abundance, Survival and Conservation Status of *Prunus africana* (Hook.f) Kalkm. in Western Mau forest, Kenya. (MSc thesis-Kenyatta University)
5. **Seif L. Mohamed (June 2017):** Assessment of the Structural variability of Mangrove forests in the Kenyan Coast. (MSc thesis-Pwani University)
6. **Kanundu M. Ngumbao (June 2017):** Assessment of potential distribution of small carnivores and their prey in Arabuko Sokoke Game Reserve along the Kenyan Coast. (MSc thesis-Pwani University)
7. **Edwin Nyamba Mwashinga (September 2016):** Effects of land –based activities and sources on fresh Water resources: A case study of selected heavy metal contamination in river Mkurumudzi, Kwale County. (MSc thesis-Pwani University)
8. **Agnes Samba Kiunga (July 2016):** Phytoremediation of Kipevu waste water using Vetiver Grass. (MSc thesis-Pwani University)
9. **Sheila Mumbi Asweli Wamugi (July 2016):** Evaluation of Effects of Climate Change and Adaption Strategies in Small Holder Farming Systems. (MSc thesis-Pwani University)
10. **Abdul Majeed Omar Said (March 2016):** Assessment of the structure and biomass accumulation in mangrove forest of Kilifi Creek, Kenya. (MSc thesis-Pwani University)

1.5.4 Kenyatta University Examination Board and Senate Member for MSc And PhD Defences

1. **Beatrice Muthoni Guchu (MSc. 30th July 2020 – Virtual defence).** *In Vitro* Antioxidant Activities of Methanolic Extracts of *Caesalpinia volkensii*, *Acacia hockii* and *Vernonia lasiopos* (Board Member)
2. **Mr Samuel G. Onyoyo (MSc. 4th February 2020):** Efficacy of selected Kenyan plants used in Traditional Medicine for the treatment of Malaria and Fever (Board Member)
3. **Ms Margaret Wawuda Mwakima (PhD. April 2013):** Determinants of the biodiversity conservation-tourism nexus in the buffer zone of Amboseli Biosphere Reserve, Kenya. (Board Member)
4. **Ms Regina Nthambi Maingi (MSc. October 2010):** Opportunities and Challenges of scaling up *Jatropha curcas* L. for environmental management and enhanced livelihoods in Kibwezi, Kenya. (Senate Member)

1.5.5 Grant Proposal Review

October 27th 2020: Reviewed KU-Vice-Chancellor's Research and Innovation-Grant Proposal.

1.5.6 Teaching Workload

Teaching workload 2025-2026 1st Semester
Teaching workload 2024-2025 2nd Semester
Teaching workload 2024-2025 1st Semester
Teaching workload 2023-2024 1st Semester
Teaching workload 2022-2023 2nd Semester
Teaching workload 2022-2023 1st Semester
Teaching workload 2021-2022 2nd Semester
Teaching workload 2022-2022 1st Semester
Teaching workload 2020-2021 1st Semester
Teaching workload 2020-2021 1st Semester
Teaching workload 2020-2021 2nd Semester (Prepared Online modules)
Teaching workload 2019-2020 2nd Semester.
Teaching workload 2019- 2020 1st Semester
Teaching workload 2018-2019 2nd Semester.
Teaching workload 2018-2019 1st Semester

1.6 COMMUNITY ENGAGEMENTS AND OTHER CONTRIBUTIONS

1.6.1 Research Funding (Current)

- 1. Jan. 29th 2021: (Grant Received).** Rebecca Karanja, **Najma Dharani**, Everlyn Kakai: **KU-Vice Chancellors' Research and Innovation Grant, 2020-2021.** Proposal have been selected for funding, “Strengthening Productivity of African indigenous vegetables and Pulses through Climate smart practices, enhanced pollination and value addition for Improved resilience and Food Security (A case study of Murangá South Sub-County)”. **(Project Successfully ended-See attached documents)**
- 2. February 2019-To-date:** My current research is on the following topic;
“Assessment of Ecological Distribution, Diversity, Abundance and Ethno-botanical Surveys of Indigenous Food Plants including their Conservattion, Utilization for enhanced food security, health, nutrition, improved livelihoods and environmental resilience in East Africa”. **(Ongoing-Self-funded Research Project).**

1.6.2 Community Outreach

1. 15th June 2024: Donation-Reference books for Tourism, Plant/Environmental Sciences/Botany to the Chief Librarian, Pwani University, Kilifi, Kenya.
2. **22nd March 2023:** Organized a day trip to Kenya National Museum and Nairobi Arboretum for my 4th Year, BSc. Conservation Biology students (KU) for Tree/Nature walk and team building.
3. **15th September 2022:** Donation-Reference books for Tourism, Plant/Environmental Sciences/Botany to the Chief Librarian, Kenyatta University, Main campus
4. **25th April. 2022:** Organized a day trip to National Museums of Kenya and Nairobi National Park (NNP) for my 3rd Year (BSc.) Conservation Biology students (course unit SCB-302-KU) to learn about Protected Areas & their significance in Biodiversity Conservation.
5. **30th June 2021**-Kenya Professional Safari Guides Association (KPSGA). Paid Exam fees for guides from the Kilifi County who sat for examination.
6. **20th May 2021:** Donation-Reference books for Tourism, Plant/Environmental Sciences to the Chief Librarian, Kenyatta University, Main campus
7. **23rd Nov. 2020:** I organized a day trip to Nairobi Arboretum for my 4th Year, BSc. Conservation Biology students (SCB 407-KU) for Tree/Nature walk and team building.
8. **21st Feb. 2020:** I organized for my 4th Year, BSc. Biodiversity & Conservation Biology students (SCB 407-KU), a half day clean up and weeding exercise at Nairobi City Park in conjunction with Friends of Nairobi City Park (FoNCP) and Nairobi City Council. After the clean up, students were given guided Nature walk at Nairobi City Park.<http://friendsofcitypark.org/city-park-visit-by-kenyatta-universitystudents/>.
9. **Feb. to Nov. 2018:** Actively participated in Rehabilitation programme (Indigenous Tree Planting) for Nairobi City Park. Also participated in MASTER PLAN for Nairobi city Park Rehabilitation document joint effort of Friends of Nairobi City Park (FoNCP), Nairobi City Council and Nairobi County Government.
10. **March 2010 to October 2019:**
 - Discussions and conducted workshop in the field with small scale farmers in Kenya, Uganda, Malawi, Zambia, Ethiopia, Rwanda Tanzania on Principles of Evergreen Agriculture and Conservation Agriculture for high yield food crop productivity and Environmental Resilience. Had discussions with farmers on significance and uses and domestication and conservation of indigenous vegetables, fruits and seeds/nuts.
 - Conducted training and workshops and given lectures/discussions to Pastoral communities (farmers, secondary school teachers and students) in East Africa on the importance of medicinal plants and their uses to cure human and livestock diseases and domestication of medicinal plants; importance of flora & fauna, consequences of deforestation, land degradation etc. Conducted training and workshops in the field----teaching nursery practices, provide them with seeds, seedlings, bags to plant seedlings, sustainable wild seed harvesting, seedling management and importance of the natural resource management particularly forest restoration.
11. **Between May 2016 to June 2017:** Conducted 4 beach clean-up exercises at Mida Creek-Kilifi County with Pwani University (BSc.and MSc. students together with Mida Creek community groups). We collected tons of trash from the beach.

- 12. 2011 to date:** Provided linkages with funding institutions for M.Sc and PhD Environmental Sciences (KU, Pwani University & University of Nairobi) students for financial support. Currently, providing financial support to one MSc. Student (Pwani University) with her field work and one PhD. (KU) for his field work. So far four students have been graduated. Also have been giving financial support to some 4th year students every year for their field research.

1.6.3 Professional Affiliation and Portfolios

- Member of the Council of Fellows of the Global EverGreening Alliance (GEA)
- KMS (Kenya Museum Society)- Council Member
- World Agroforestry Centre (ICRAF-HQ-Nairobi)
- FONA – (Friends of Nairobi Arboretum)- member
- NATURE KENYA- National Museums of Kenya (connecting nature & people)- Member
- FONAP – (Friends of Nairobi National Park)-Member
- FoCP - (Friends of City Park) – Member

1.7 REFEREES

1. Prof. Abiy Yenesew

Professor of Phytochemistry

Department of Chemistry

University of Nairobi

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2. Dr. Tessa Goverse (PhD.)

Senior Programme Officer

Marine Ecosystem Division

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UN Avenue, P.O. Box 47074-00100

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3. Dr. Dennis Garrity (PhD.)

Chair, Global EverGreening Alliance

Former Director General & Distinguished Research Fellow,

World Agroforestry Centre

Former Drylands Ambassador, UNCCD

Senior Fellow, World Resources Institute

Email: d.garrity@cifor-icraf.org