

Curriculum Vitae



1. PERSONAL DATA

Name: Najma Dharani; **Citizenship:** Kenyan; **Marital status:** Married

Educational Background

PhD in Botany (Plant/Environmental Ecology) from the University of Nairobi.
M.Sc in Botany (Plant Morphogenesis) from the University of Karachi
B.Sc (Hons.) in Botany from the University of Karachi

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Website: www.najmadharani.com

Position: Senior Lecturer

WORK EXPERIENCE

- Oct 2017 to-date **“Senior Lecturer”**, Kenyatta University, Department of Plant Sciences.
(Advanced plant Ecology; Biodiversity Conservation & principles;
Conservation/Protected areas (Undergraduate); Marine Vegetation (MSc unit); Dynamics of
Plant Communities (MSc. Unit)
- Jan 16th 2015 to
31st Aug’ 2017 **“Senior Lecturer”**, Pwani University, Department of Environmental Sciences.
(Advanced Environmental Ecology (MSC Unit), Principles of Environmental Ecology
(Undergraduate Unit), East African Flora and Fauna, Principles of
Ethnobotany (BSc Units); Biodiversity Conservation & Natural Resource Management;
Climate change and Global Warming (MSc Units)
- 15th Feb’08 to
16th Jan’2015 **“Lecturer”** at the School of Environmental Sciences, Kenyatta University,
(Advanced Environmental Ecology, Principles of Environmental Ecology, East African Flora and
Fauna, Endangered Species, Agroforestry practices and farming systems in different agro-
ecosystems in East Africa, Principles of Ethnobotany, Environmental Biology includes
Morphogenesis/Plant Genetics and Hereditary (BSc units); Ecology of agronomic crops, Land
Use Dynamics and Conservation, Biodiversity Conservation (MSc units).
- March’07 to
15th Jan’08 **“Lecturer”** at the Department of Biological Sciences, University of Dar es Salaam, Tanzania
(Plant Ecology/Plant Taxonomy and Plant Genetics)
- Nov’04 to
Feb ’07 **“Part-time Lecturer”** at the Department of Land Use Resource Management and Agriculture
Technology (LARMAT), University of Nairobi. (Dry land Agroforestry systems and techniques in
Kenya; Rangeland plants and their sustainable uses; Plant Genetics and Plant Taxonomy)

AREAS OF SPECIALIZATION:

Impact of Urbanization and Industrialization (Toxic metal pollution) on Biodiversity of different ecosystems in East Africa - Conservation and Management

2. Water Quality Control and Monitoring which Include fresh water springs, lakes, rivers, Alkaline Rift Valley lakes ecosystem in Kenya and Tanzania.

3. Evergreen Agriculture and sustainable Agroforestry Practices used in the East African Region for better land use dynamics, soil fertility, food security (increase in food production), livelihood and environmental resilience

4. Land-use dynamics; Natural Resource Management & Conservation through Reforestation by growing Multipurpose Plants MPPTs (timber, medicinal, fodder and fruit) their cultivation, harvest techniques and sustainable uses as subsistence and commercial farming.

5. Medicinal Plants (Ethno-botany) of East African Region used in primary human healthcare system and Ethno-Veterinary medicinal plants used in primary healthcare of livestock and poultry

6. Domestication, Cultivation, Management and Conservation (*in situ* and *ex situ*) of critically threatened and endangered species of plants.

ADMINISTRATIVE DUTIES:

Current School (SPAS) & Departmental (Plant Sciences) Administrative Duties:

- 1) Editor in Chief-African Journal of Pure and Applied Sciences(AJPAS)-SPAS KU Journal
- 2) Board of Postgraduate Studies (BPS committee- Member)
- 3) Examination Moderation Committee (Member)

Past Administrative Duties at Pwani University:

- 1) Post graduate coordinator for School of Environmental & Earth Sciences (SEES);
- 2) Departmental Post graduate coordinator, Department of Environmental Sciences, Pwani University

Past Administrative Duties at Kenyatta University:

- 1) Environmental Coordinator (ISO-9001-2000) for the Department of Environmental Sciences (ENS) for 4 years;
- 2) Field trip Coordinator for the Dept. of ENS;
- 3) Curriculum Development Committee for 2 years.

1. PUBLICATIONS

a) Published Papers

Author	Yr.	Title	Journal	ISBN/ISSN Reference No.
Wanyera Francis, Kinyamario J., Najma Dharani and Robert M.	2018	Ecotourism and local community activities on ecosystem changes in and around Volcanoes National Park, Rwanda	International journal of Plant, Animal and Environmental Sciences (IJPAJX)	IJPAJX Vol. 8, No. 3 ISSN-2231-4490 (DOI: 10.21276/Ijpaes
Wanyera Francis, Kinyamario J., Najma Dharani and Robert M.	2018	Population dynamics and land-use changes around protected areas. A case of Bwindi Impenetrable National Park, Uganda.	International journal of Plant, Animal and Environmental Sciences (IJPAJX)	IJPAJX Vol. 8, No. 3 ISSN-2231-4490 (DOI: 10.21276/Ijpaes
Carol J Rotich and Najma Dharani	2018	Species Distribution, Diversity and Conservation of Indigenous Medicinal Plants in Selected Areas of Baringo County, Kenya	Journal of Chemical, Biological and Physical Sciences	J. Chem. Bio. Phy. Sci. Vol. 8, No. 3; 000-000. [DOI:10.24214/jc bps.B.8.3.00000.]

Najma Dharani	2016	Traditional Ethnomedicinal uses and phytochemical compounds of <i>Carissa spinarum</i> L. in East Africa: a review.	Pharm Journal - Published by Kenyatta University Pharmacy Students Association (KUPHSA). Kenyatta University Press (KUP)	PHARM J. July –Dec 2016, Vol. 02
Najma Dharani	2016	Traditional Ethnomedicinal uses, phytochemistry and pharmacological properties of <i>Balanites aegyptiaca</i> (L.) Del. in East Africa: a review.	Pharm Journal - Published by Kenyatta University Pharmacy Students Association (KUPHSA). Kenyatta University Press (KUP)	PHARM J. July –Dec 2016, Vol. 02
Najma Dharani	2016	A Review of Traditional Uses and Phytochemical Constituents of Indigenous <i>Syzygium</i> Species in East Africa	Pharmaceutical Journal of Kenya	Pharma. J. Kenya. Vol. 22, No 4. ISSN 2411-6386
Najma Dharani	2016	A Review of Traditional Medicinal Uses and Phytochemical Constituents of Exotic <i>Syzygium</i> Species in East Africa	Pharmaceutical Journal of Kenya	Pharma. J. Kenya. Vol. 22, No 4. ISSN 2411-6386
Demissew T. and Najma Dharani	2016	Assessment of the Ecological Distribution, Species Diversity and abundance of Medicinal Plants in Central Kajiado, Kajiado County, Kenya	International Journal of Plant, Animal and Environ Sciences	IJPAES Volume-6, Issue-3 ISSN-2231-4490
Christopher M.Ndolo, Najma Dharani, Katja K.	2016	Socioeconomic and Biophysical factors affecting tree richness and diversity in Machakos County, Eastern Kenya	International Journal of Plant, Animal and Environ Sciences	IJPAES Volume-6, Issue-3 ISSN-2231-4490
Demissew Tsigemelak, Najma Dharani, Jenasio I Kinyamario, Samuel Kiboi	2016	The Utilization of Medicinal Plants by the Masaai community in arid lands of Kajiado County, Kenya	International Journal of Plant, Animal and Environ Sciences	IJPAES Volume-6, Issue-3 ISSN-2231-4490
Ermals, Dharani, Mathews	2012	The indigenous knowledge of the Maasai Ethnoveterinary diagnostic skills	Journal of Human Ecology	J. Hum. Ecol., 16(1): 43-48 (2012)
Najma Dharani <i>et al.</i> ,	2010	Distribution of Zn and Cd levels in Soils and <i>Acacia xanthophloea</i> Benth, from Lake Nakuru National Park, Kenya.	Bulletin of Environmental Contamination Toxicology Springer New York, USA.	Vol, 3: 318 – 323
Najma Dharani <i>et al.</i> ,	2008	Browsing impact of large herbivores on <i>Acacia xanthophloea</i> Benth in Lake Nakuru National Park, Kenya.	African Journal of Ecology-Blackwell Publishing Ltd-UK.	Vol, 47: 184 – 191.
Najma Dharani <i>et al.</i> ,	2007	The Distribution of Cu and Pb levels in Soils and <i>Acacia xanthophloea</i> Benth, from Lake Nakuru National	Bulletin Environmental Contamination Toxicology Springer	Vol, 79: 172 – 177

		Park, Kenya.	New York, USA.	
Najma Dharani <i>et al.</i> ,	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
Najma Dharani	2006	The Debarking in Lake Nakuru National Park, Kenya. CONSERVATION. (Article was published from my PHD WORK)	SWARA - East African Wildlife Society-Kenya	Vol, 29: 42 - 45

b) (Published Books)

Dharani, N.	Feb. 2019	Field Guide to common Trees and Shrubs of East Africa (Fully Revised 3 rd Edition)	Published by Struik Random House Publishers, Cape Town, South Africa	ISBN: 978 1 77007 888 8
Dharani, N., <i>et al</i>	Dec. 2015	Ethno veterinary Medicine in East Africa	Published by World Agro forestry Centre, Nairobi-Kenya	ISBN: 978-92-9059-335-5
Dharani, N.	Nov 2011	Field Guide to common Trees and Shrubs of East Africa (2 nd Edition)	Published by Struik Random House Publishers, Cape Town, South Africa	ISBN: 978 1 77007 888 8
Dharani, N., <i>et al</i>	Jan 2011	Common Antimalarial Trees and Shrubs of East Africa –A description of species and a guide to cultivation and conservation through use	Published by World Agro forestry Centre, Nairobi-Kenya	ISBN: 978 92 9059 238 9.
Dharani, N. and Yenesew, A.	March 2010	Medicinal Plants of East Africa- <i>An Illustrated Guide.</i>	Published by Najma Dharani in association with Drongo publishing, Nairobi-Kenya	ISBN: 978-9966-05-167-8.
Dharani, N.	2002	Field Guide to common Trees and Shrubs of East Africa (1st Edition)	Published by Struik Random House Publishers, Cape Town, South Africa	ISBN: 1-86872 640 2.
Dharani, N.	2006	Field Guide to Acacias of East Africa. (1st Edition)	Published by Struik Random House Publishers, Cape Town, South Africa	ISBN: 9781770071742

2. CURRENT SUPERVISION OF POSTGRADUATE STUDENTS

Name of student	Thesis title	Status of project (e.g. First year etc)
Ogola Kevin Omollo (156/37485/2017) MSc. Student at Kenyatta University, Dept. of Plant Sci.)	Assessment of sequestration potential and biomass accumulation in managed mangrove plantations of Mida Creek, Kilifi County Kenya	Data collection and Analysis (First year)
David A. Erasto (MG20/PU/36088/16) MSc. Student at Pwani University, Dept. of Env. Sci.)	Assessment of Structure and Natural regeneration of <i>Avicenia marina</i> and <i>Bruguiera gymnorrhiza</i> species of mangroves in Mida Creek, Kilifi County, Kenya	Data collection and Analysis (First year)
Godfrey Wabwile Wafula (N50/PUC/2040/12) MSc. Student at Pwani University, Dept. of Env. Sci.)	Assessment Of The Influence Of Industrial Effluent On The Performance Of Mavoko Sewer Treatment Ponds, Machakos County, Kenya	Data collection and Analysis (First year)
Kiptore Dominic Kiprotich N50/CTY/PT/24877/2011	The effects of horticulture farming on the water and soil quality along river chepsito-tilatil, Koibatek district in Baringo County	Thesis is ready to submit to Graduate School for examination
Hussein Aden (N50/PU/6065/15) (MSc. Student at Pwani University, Dept. of Env. Sci.)	Investigation of the impact of butterfly farming & harvesting on wild butterfly population in the nature reserve of Arabuko Sokoke Forest.	Student has defended his thesis on 30th August 2019.
Wanyera John Francis, (PhD. Student, Dept of Botany-University of Nairobi)	Climate variability and anthropogenic impacts on ecosystems and eco-tourism in protected areas: a case of Bwindi impenetrable national park, Uganda	Student has successfully defended his thesis on 2nd October 2019.

3. SUPERVISION OF POSTGRADUATE (MSC.) AND PHD STUDENTS WHO HAVE COMPLETED AND GRADUATED

Name of student	Thesis title	MSc. Students graduated
Mutunga Christopher Ndolo (N50/21206/2010) (MSc. Student at KU- Dept. of Environmental Science)	Socio-economic and biophysical factors affecting tree diversity on farms in Mwala, Kangundo and Machakos divisions, Machakos county, Kenya.	Student successfully defended his thesis in Oct, 2016. (Student graduated in August 2017).

Kathiai Joseph Karauka (N50/ 85/1360/2009) (PhD. Student at KU- Dept. of Environmental Science)	Integrated of Trees with Food Crops in Different Agro-ecological Systems: A comparative Analysis of Soil fertility in Kenya	Student graduated in Dec. 2016
Carol Jeruto Rotich (N50/CTY/PT/23013/11) (MSc. Student at KU- Dept. of Environmental Science)	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	MSc. Project (KU) (Project finished) (Student graduated in Dec. 2015)
Demissew T. Gebreyohannes (N50/12313/2009) (MSc. Student at UoN- Dept. of Botany)	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	MSc. Project – (University of Nairobi). (student graduated in August 2013)
Raphael Wanjala Wanyonyi (N50/15/427/2008) (MSc. Student at KU- Dept. of Environmental Science)	Impact of Human Population on Land Degradation in Lugari District, Western Province, Kenya	MSc. Project (KU) (Project finished) (Student graduated in December 2012)
Pamella Wambui Kunyuga(N50/12342/2009) (MSc. Student at KU- Dept. of Environmental Science)	Assesment of Genetic Diversity of Sorghum bicolor landraces from Tanzania using SSR markers: Implications for conservation	MSc. Project – KU-(ECD student). (Student graduated in December 2012)

4. ASSIGNED AS AN INTERNAL EXAMINER

Name of student	Thesis title	Year
Chebet Gladys (MSc thesis- Kenyatta University)	Abundance, Survival and Conservation Status of <i>Prunus africana</i> (Hook.f) Kalkm. in Western Mau forest, Kenya	February, 2019
Edwin Nyamba Mwashinga (MSc thesis- Pwani University)	Effects of land –based activities and sources on fresh Water reseources: A case study of selected heavy metal contamination in river Mkurumudzi, Kwale County.	September 2016
Agnes Samba Kiunga (MSc thesis- Pwani University)	Phytoremediation of Kipevu waste water using Vetiver Grass.	July 2016
Sheila Mumbi Asweli Wamugi (MSc thesis- Pwani University)	Evaluation of Effects of Climate Change and Adaption Strategies in Small Holder Farming Systems	July 2016

Abdulmajeed Omar Said (MSc thesis- Pwani University)	Assessment of the structure and biomass accumulation in mangrove forest of Kilifi Creek, Kenya.	March 2016
Esther W. Mugi (MSc thesis-Kenyatta University)	Integrating indigenous and conventional knowledge-based climate forecasts for farmers enhanced adaption to climate variability in Tharaka-Nithi and Kitui counties.	January 20 th 2014
Mr Ngumi David Muigai (MSc. thesis-Kenyatta University)	Germination and growth performance of selected provenances of <i>Osyris lanceolata</i> in Kenya.	November 2011
Mr Samuel Jacob Muthuri Kirera (MSc thesis-Kenyatta University)	Analysis of some physical soil properties on water availability in Ngaciuma-Kinyaritha sub-catchment, Upper Tana Basin, Kenya.	November 2011
Ms Regina Nthambi Maingi (MSc thesis-Kenyatta University)	Opportunities and Challenges of scaling up <i>Jatropha curcas</i> L. for environmental management and enhanced livelihoods in Kibwezi, Kenya.	Student's defence- University Examination Senate member October 2010

5. ASSIGNED AS AN EXTERNAL EXAMINER

Name of student	Thesis title	Year
Ms Maryanne M. Gitari (School of Biological Sciences, University of Nairobi) (MSc. Thesis)	Assessment of Leopard (<i>Panthera pardus</i>) and Spotted Hyena (<i>Crocuta crocuta</i>) diet and prey base along Burguret trail in Mt. Kenya forest, Kenya.	July 2019
Charles N. Nyamwamu (School of Biological Sciences, Dept. of Botany, JKUAT) (MSc. Thesis)	Abundance and Diversity of Weed species in Farms in Kisii Central sub County, Western Kenya	March 2019
William K. Ruto (College of Biological and Physical Sciences, University of Nairobi) (PhD Thesis)	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.	October 2018
Bernard Ochieng (Department of Environmental Sciences, Pwani University) (MSc. Thesis)	Evaluating the population status and foraging ecology of sable antelope (<i>Hippotragus Niger roosevolti</i> – Heller) in Shimba Hill National Reserve, Kenya.	July 2018

Mr. Felix S. Abdalla (School of Biological Sciences, University of Nairobi) (MSc. Thesis)	Comparative autecology of tree species using leaf and wood traits within nine forest of the Taita Hills	June 2014
Mr. Simon F. Nguru Wandeto (School of Biological Sciences, University of Nairobi) (MSc. Thesis)	Developing strategies for restoration of a disturbed site in Kakamega forest using Arbuscular Mycorrhiza Fungi (AMF)	December 2013

6. CONFERENCE /SEMINARS/WORKSHOPS ATTENDED

Date of Conference	Conference /Seminars/Workshops attended	City/ Country
30 th to 31 st October 2019	Annual Carnivore Conference	Kenya Wildlife Services Headquarters, Nairobi-Kenya
29 th October 2019	Programme for Internationalization of Research and Resource Mobilization for Impact	Kenyatta University-BSSC, Room 14
28 th to 29 th March 2019	Regional Agroforestry Curricula Development Workshop	Kenyatta University Conference Centre, Nairobi, Kenya
16 th June 2018	City Park Masterplan stakeholder workshop	National Museums of Kenya-Nairobi
17 th to 19 th April 2018	2 nd National Conservation Agriculture Conference, Kenya	FAO Conference at Safari Park Hotel, Nairobi
24 TH to 25 th March 2017	Kenya coastal Development Project (KCDP)-Building Coastal Capacity for Sustainable Natural Resource Use and Management Conference	Turtle Bay Watamu
17 TH to 19 TH March 2017	Conference on Tourism and Hospitality in Mwingi organized by Kitui County Government	Mwingi-Kitui County
5 th – 9 th September 2016	Science Week – Theme-Agroforestry for Health , Nutrition & Food Security	ICRAF- Headquarters Nairobi-Kenya
10 th - 11 th May, 2016	1 ST National Conservation Agriculture Conference, Kenya	FAO Conference at Safari Park Hotel, Nairobi
31 – 1 st April 2015	workshop on the Adoption of Agroforestry and Contribution to the Sustainable Development Outcomes in Kenya	ICRAF- Headquarters Nairobi-Kenya
8 – 12 Sept. 2014	Science Week – Theme-Agroforestry for Sustainable Development Goals	ICRAF- Nairobi-Kenya
21 – 22 Feb 2013	IFAD fruit project inception workshop	JKUIAT-Thika
03-07 Sep 2012	Science Forum 2012	ICRAF- Headquarters Nairobi-Kenya
25 – 29 June 2012	IUFRO-FORNESSA Regional Congress & ITTO/AFF forest policy day- “ Forests and Trees; serving the people	ICRAF- Headquarters

	of Africa and the World	Nairobi-Kenya
10 – 13 April 2012	BEATING FAMINE-sustainable food security through land regeneration in a changing climate	ICRAF- Headquarters Nairobi-Kenya
8 – 11 August 2011	14th NAPRECA symposium and AAMPS Ethnoveterinary Medicine Symposium	ICIPE-Nairobi-Kenya
25 – 29 April 2011	Regional workshop to support the preparation of the state of the World's forests Genetic Resources in Africa World Agroforestry Centre (WAC-HQ)-ICRAF	ICRAF- Headquarters Nairobi-Kenya
15 th March 2010	Charcoal Seminar- World Agroforestry Centre (WAC-HQ)-ICRAF	ICRAF- Headquarters Nairobi-Kenya
6 – 8 August 2010	International Science Conference held at World Agroforestry Centre (WAC-HQ)-ICRAF	ICRAF- Headquarters Nairobi-Kenya
15 – 17 September 2010	International conference on Biodiversity, Land Use and Climate Change towards a National Conservation framework	ICRAF- Headquarters Nairobi-Kenya
14 – 18 August 2009	International Conference on Agroforestry held at United Nations (HQ)	United Nations (HQ) Nairobi - Kenya
25 – 27 May 2011	Implementation Training for ISO 14001:2004- Environmental Management Systems (EMS)	Kenyatta University
6 -10 March 2008	International Science Conference held at World Agroforestry Centre (HQ)-ICRAF	ICRAF- Headquarters Nairobi-Kenya
20 – 22 March 2006	Africa Herbal Antimalarial Meeting held at World Agroforestry Centre (WAC-HQ)-ICRAF	ICRAF- Headquarters Nairobi-Kenya
8 - 12 August 2006	American Society of Pharmacognosy (ASP), International Symposium on Pharmacology	New Jersey, USA
25 – 27 July 2005	AFASSA- Africa, Asia, South America Natural Products Network. Symposium held at International Center for Chemical Sciences	University of Karachi, Karachi-Pakistan
27 – 29 August 2004,	NAPRECA- Natural Product research Network for Eastern and Central Africa. Symposium held at University of Nairobi, Kenya	University of Nairobi
16 – 18 April 2004	Flamingo Lakes in Kenya, WWF workshop.	Kunste Hotel Nakuru-Kenya
20 – 22 August 2003	Environment and Reforestation organized by National Museums of Kenya	Braekenhurst, Limuru, Kenya
8 – 12 April 2002	Kenya-Belgium (VLIR) Conference held in Leopard Beach-South Coast Diani -Mombasa	University of Nairobi

7. FUNDED PROJECTS

S/ No	Researcher	Year	Title	Granting Body & partners
1.	Najma Dharani,	August 2014 to	Food trees of Kenya -Vol 1 Fruit	ICRAF, IFAD funded project

	Katja, Ramni	July 2018	Trees and shrub	(PROJECT COMPLETED)
2.	Najma Dharani and Grace Mwangi	2014 March to July 2015	Evergreen Agriculture Curriculum development for Universities in Eastern and Southern Africa (For undergraduate years 3-4)	ICRAF –East Africa and ANAFE Project
3.	Najma Dharani Abiy Yenesew, Ramni Jamnadass	March 2010 To May 2015	Research on Ethno-veterinary medicinal plants to cure livestock and poultry diseases (Book is published)	World Agroforestry Centre (WAC-HQ); funded by IFAD, EU and World Bank. (Partners: Ministry of Livestock (GoK), University of Nairobi, ICRAF & Kenyatta University)
4.	Najma Dharani and Dennis Garrity	January 2011 to Dec. 2013	Evergreen Agriculture in Eastern & Southern Africa	CAWT-SIDA Project funded to ICRAF East Africa Programme, funded by IFAD, EU, World Bank
5.	Najma Dharani, Rukunga, Abiy and ICRAF Scientists	January 2008 to July 2010	Research on Anti-malarial Trees and Shrubs of East Africa (Book is published)	World Agroforestry Centre (WAC-HQ); funded by IFAD, EU, World Bank; (Partners KEMRI, University of Nairobi, GoK, ICRAF & Kenyatta University)

8. CONSULTANCY AND COMMUNITY SERVICE

S/No.	Consultant (s)	Consulting Person/ Body/ Organization	Year	Title Consultancy Service
1.	Najma Dharani	Aga Khan University Hospital (AKUH)-Kampala	18 th August To 22 nd August 2018 and 12 th December 2018 to 16 th Dec 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 – Kampala (Consultancy)
2.	Najma Dharani		2010 to date	Provided linkages with funding institutions for M.Sc. & PhD Environmental Sciences and Plant Sciences (KU, Pwani and University of Nairobi) students for tuition payment and giving them field financial support during their second year of research. So far, more than 6 students have benefited.
3.	Najma Dharani	Friends of Nairobi City Park (FoNCP), Nairobi	Feb. to Nov. 2018	City Park, Nairobi – Activity participated in Rehabilitation programme (Indigenous Tree

		City Council and Nairobi County Government		Planting) for Nairobi City Park. Also participated in MASTER PLAN for Nairobi city Park Rehabilitation document. (Voluntary Service)
4.	Najma Dharani	Elangatawass, Mile 46 Secondary school Library and Elgyo Markwet Secondary School Library	April 2017 & Sept. 2017	Donations of 300 books in each Library (Books on various topics including Encyclopedias, story books, Agriculture, Nature and my own published books)
5.	Najma Dharani	World Agroforestry Centre (ICRAF-HQ)	2007 to 2018	Working with farmer groups and Pastoral communities in East African region; giving lectures on the importance of biodiversity, importance of flora & fauna, consequences of deforestation, land degradation etc. Conduct practical workshop 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 (Voluntary Service)
6.	Najma Dharani	Mara Naboisho conservancy- detailed vegetation report (Master plan)	March 2012	Mara Base camp Foundation (CONTRIBUTION TO MASTER PLAN FOR MARA NABOISHO) (Consultancy)
7.	Najma Dharani	Guide book to Nairobi Arboretum	2001-(1 st Edition); 2012 -(2 nd Edition)	Contributed a chapter for the guide book on Arboretum Plants with photographs and proof reading of the book (Voluntary Service)
8.	Najma Dharani	Guide book to Nairobi City Park	2012	Contributed plant photographs for the guide book on City park and proof reading of the book (Voluntary Service)
9.	Najma Dharani	African Journal of Ecology	2009, 2011	Reviewing journal Articles
10.	Najma Dharani	Komba (Wildlife Club of Kenya Magazine for Secondary School Children)	2006 to date	Contributing articles on Medicinal and other useful plants for high school children's magazine (Voluntary Service)
11	Najma Dharani	World Agroforestry Centre (ICRAF-HQ)	2005 To date	Produced posters on Medicinal, Timber and fruit plants, Research on Antimalarial, Ethnoveterinary, Indigenous Fruit and Evergreen Agriculture projects (Consultancy)

9. National and International awards and Recognitions

S/No	Name of award or Recognition	Awarding Organization/Body	Year
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1.	Best MSc. Student award	University of Karachi	1992
2.	“Science, Media and Technology”	His Highness Prince Aga Khan Ismaili Youth Awards for Excellence category	2002
3.	Bestselling Guide book award “Field Guide to common Trees and Shrubs of East Africa (1st Edition)”	Struik Random House Publishers, Cape Town, South Africa (Seven Reprints from June 2002 to Nov 2011, 2 nd Edition 2011, 3 rd Edition 2019	2011

10. Affiliation to Professional Bodies

S/No	Name of professional body
1.	Africa, Asia, South America Natural Products Network (AFASSA)
2.	American Society of Pharmacognosy (ASP) (member)
3.	World Agroforestry Centre (WAC-HQ)
4.	NAPRECA- Natural Product research Network for Eastern and Central Africa (member)

11. Affiliation to the National Professional Environmental protection Bodies

S/No	Name of professional body
1.	NATURE KENYA- National Museums of Kenya (connecting nature & people)-Member
2.	Kenya Museum Society (KMS) - Member
3.	FONA –(Friends of Nairobi Arboretum)-Committee member
4.	FONAP – (Friends of Nairobi National Park) Member
5.	FoCP - (Friends of City Park) - Committee member

REFERENCES

1. Prof. Abiy Yenesew
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2. Dr. Francis Wokabi
 Senior Lecturer

Department of philosophy and Religious studies
Director, ISO
Pwani University
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E-mail: f.wokabi@pu.ac.ke

3. Dr. Dennis Garrity

UN Drylands Ambassador
Senior Fellow, World Agroforestry Centre
Chair, Evergreen Agriculture Partnership
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Email: icraf@cgiar.org