

## Curriculum vitae

**NAME: STANLEY NADIR**



**RESEARCHER ID:** STANLEY NADIR

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**Google Scholar:** Stanley Nadir

**Position:** Research Scientist (Soil Science and Water management)/ Deputy Regional Director

### PERSONAL INFORMATION

1.1. NAME: STANLEY NADIR

1.2. ADDRESS: P.O Box 1087 – 80200, Malindi / 20412-00200, Nairobi, Kenya

1.3. PHONE: +254-729-976-976

1.4. EMAIL ADDRESS: stanleynadir@yahoo.com; snadir@kefri.org

1.5. NATIONALITY: Kenyan

1.6. GENDER: Male

### 2. QUALIFICATIONS

#### 2.1. Academic Qualifications

2014- 2018: Doctor of Philosophy (PhD) in Soil Science, University of Eldoret (Title: Nutrient dynamics, allelopathy levels and crop performance under *Eucalyptus grandis* trees in Kenya)

2011-2013: Masters of Science in Soil science, University of Eldoret

2006-2010: B.Sc. Soils and Land Use Management (First class Honors), Moi University

### Key Competencies

Soil mapping and classification, soil and land survey, Land use planning and evaluation, integrated soil fertility management and plant nutrition, organic farming, soil and water quality testing, land and water pollution, agroforestry, forestry hydrology and watershed management, greenhouse gas measurements, climate change.

### **3. EMPLOYMENT HISTORY**

August 2018 – Date: Research Scientist I, Soil Science, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 -00200 Nairobi, Kenya.

June 2014 - August 2018: Research Scientist II, Soil Science, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 -00200 Nairobi, Kenya.

### **4. ADMINSTRATIVE RESPONSIBILITY**

*May 2019 - Date: Deputy Regional Director (DRD) at Kenya Forestry Research Institute, KEFRI (Coast Eco-Region Research Programme, Malindi)*

#### Key Duties and Responsibilities

- Develop and implement research programmes in the eco-region;
- Plan and coordinate all research and development activities in the eco-region;
- Undertake research capacity building among community-based organizations and student groups;
- Planning and management of resources (human, financial, equipment and other assets) at the eco-region;
- Ensures the smooth and efficient day-to-day operation of research and data collection activities;
- Coordinate the day-to-day activities of any technical support staff carrying out of research;
- Plan and coordinate the staffing of research programmes;
- Monitor and evaluate the progress of research activities in the eco-region;
- Plan and coordinate regular advisory and steering committee meetings.
- Implement quality control process throughout the conduct of the research trials and pilot studies;
- Plan, monitor and evaluate the staff performance against targets;
- Compile quarterly and annual eco-regional reports;
- Meet and timely report all performance criteria and targets of the eco-region and
- Provide guidance to less experienced research scientist;

*June 2014 to May 2019: Head of Soil Science Section and Laboratories (KEFRI HQ/CHERP, Muguga, Nairobi)*

#### Key Duties and Responsibilities

- Coordination and administration of research activities at the Section
- Coordinate day to day running and management of the laboratories
- Write technical reports for clients/scientists
- Analytical data quality validation
- Negotiate and sign performance contracts with staff
- Develop research proposals and implementation of research activities

### **5. EXPERIENCE IN UNIVERSITY/COLLEGE TEACHING/LECTURING**

2021-Date: Part time lecturer (Forest Resources) Postgraduate students at Pwani University

2018-Date: Part time lecturer (Soil physics, Plant water relations and Modeling) for Undergraduate and Postgraduate students at the University of Eldoret

#### **Mentorship and supervision**

Postgraduate student Supervisor at KEFRI Graduate School

## 6. PUBLICATIONS

### 6.1. Journal papers

1. Mwamuye, S.E., Chongomwa, M.M., Rayment, M., **Nadir, S.** (2021). Multi-Stakeholder Approach in Natural Resources Management: The Case of Mida Creek and Gongoni-Marereni Mangrove Ecosystems in Kilifi County, Kenya. *Asian Journal of Environment & Ecology* 16(4): 171-180, 2021; Article no. AJEE.77529 ISSN: 2456-690X. DOI: 10.9734/AJEE/2021/v16i430267
2. Koech, C. K., Njuguna, J. W., Kiama, S. M., Mau, J. O., Kaigongi, M. M., Muganda, M. M., **Nadir, S.**, Kigomo, J. N., & Cheboiwo, J. (2021). Community Use and Product Valuation of Forest Resources in Maasai Mau. *Advances in Social Sciences Research Journal*, ~~8(10), 106-130.~~ <https://doi.org/10.14738/assrj.810.10959>
3. Godfrey Wafula, Mwakio P. Tole, Najimah Dharani, Stanley **Nadir** (2020). Effectiveness of a Wastewater Treatment Plant located at EPZ in reducing Pollutants Discharged into River Athi, Kenya. *Journal of Environmental Science and Engineering B*, DOI: 10.17265/2162-5263/2020.06.004
4. George Tarus, Stanley **Nadir** (2020). Effect of Forest Management Types on Soil Carbon Stocks in Montane Forests: A Case Study of Eastern Mau Forest in Kenya. *International Journal of Forestry Research*. DOI: 10.1155/2020/8862813
5. **Nadir W.S.**, Jaoko, V., Osano, P., and Ongugo, P (2019). Status of Water quality in Mt. Elgon, Cherangany forested ecosystems and entire River Nzoia Catchment in Kenya. *Journal of Environmental Science and Engineering B*. DOI: 10.17265/2162-5263/2019.02.001
6. Adieng A, Muturi G, **Nadir S**, Gicheru J, Kinyua J and Ngaira J. (2019). Genetic diversity and population structure of three commercial indigenous Aloe species in selected ASALs of Kenya. *Journal of Plant Science Molecular Breeding*; 8:1. <http://dx.doi.org/10.7243/2050-2389-8-1>
7. **Nadir, W.S.**, Othieno, O.C., Kebeney, J.S (2018). Performance of crops under Eucalyptus tree-crop mixtures and its potential for adoption in agroforestry systems. *Australian Journal of Crop Science* 12 (08):1231-1240 doi: 10.21475/ajcs.18.12.08.PNE939
8. **Nadir, W.S.** & Ng'etich, K. W (2018). Effects of water soluble polyphenols in *Eucalyptus grandis* trees and their effects on crops and soil water repellency. *Allelopathy Journal*. 44 (1): 79-92
9. **Nadir, W.S.**, Othieno, O.C., Kebeney, J.S (2018). Nutrient Dynamics in Eucalyptus Plantations of Different Ages before and during Intercropping. *International Journal of Plant & Soil Science*, 22(1): 1-13.
10. **Nadir. S**, Caleb. O Othieno, Wilson. K Ng'etich and Julius .O Ochuodho (2015). Evaluation of nitrogen fertilizer and lime on grain yield, protein content and kernel weight of barley (*Hordeum vulgare* L.) *International Journal of Plant and Soil Science*, 8(4): 1-7.
11. Elijah Njuguna, Mary Gathara, Stanley **Nadir**, David Williamson, Pierre-Etienne Mathé, Jackson Kimani, Tobias Landmann, Gerald Juma, George Ong'amo, Erastus Gatebe, Bruno Le Ru, Paul-andré Calatayud (2015). Soil characteristics of maize cultivation sites along altitudinal gradients in East African highlands. *Elsevier Publishers. Data in Brief Journal*, 5: 138-144. DOI: 10.1016/j.dib.2015.08.030

#### **6.4. Technical Notes /Protocols/Guidelines**

1. Nadir W.S., Jaoko, V., Osano, P., and Ongugo, P (2019). Status of Water quality in Mt. Elgon, Cherangany forested ecosystems and entire River Nzoia Catchment in Kenya
2. Stanley Nadir (2016). Soil sampling for laboratory Analysis: Simple equipment and Guidelines
3. Stanley Nadir (2016). Drip Irrigation; An extension material for KCCAP Project in Loitokotok
4. Magrate Kaigongi, Stanley Nadir, Leonida Cherotich, Peter Gachie and Jesse Lugadiru (2017). Growing Eucalyptus trees (The gum tree): Information leaflet for farmers and tree growers

## **7. RESEARCH**

### **7.1. Completed**

<b>No.</b>	<b>Title of Project</b>	<b>Role</b>	<b>Duration</b>
1	Integrated Programme to Build Resilience to Climate Change and Adaptive Capacity of Vulnerable Communities in Kenya – Kenya Climate Change Adaptation Fund Project (KCCAP) EU-AF Project	Component leader	2018-2020
2	Allelopathy in Eucalyptus trees and the interaction with crops	Principal Investigator	2017-2021
3	Kenya's Water Towers Protection and Climate Change Mitigation and Adaptation (WaTER) EU Project	Component leader	2017-2021
4	System for Land-based Emissions Estimation for Kenya (SLEEK) project. EU Project	Component leader	2015-2016

### **7.2. Ongoing research**

<b>No.</b>	<b>Title of Project</b>	<b>Role</b>	<b>Duration</b>
1	Blue Carbon Initiative Feasibility Assessment and Stakeholder Outreach within Marereni Mangrove Community - The Satoyama Development Mechanism (SDM) 2021	Co-Principal Investigator	2021-2022
2	Evaluate long term effects of growing bamboo on soil quality, hydrology. INBAR/ Dutch-Sino East Africa Bamboo Development Programme	Principal Investigator	2021-date
3	10% a Forest Cover. Ministry of Environment and Forestry. Restoration of Maasai Mau Forest; Soil and carbon dynamics	Component leader	2019-date
4	Methods for monitoring and accounting for environmental co-benefits of soil carbon and greenhouse fluxes and tradeoff analysis of land management systems in Kenya (National Research Fund)	Co-Principal Investigator	2018-date

## 8. CONFERENCES/SEMINARS/WORKSHOPS

### 8.1. Presentation of Papers at Academic and Professional Conferences

1. J. Cheboiwo, L. Wekesa, D. Langat, J. Kiprop, L. Ndalilo, G. Rutto and **S. Nadir** (2021). Investment and Financing Models for Forestry Development in Kenya. Proceedings of the National Commercial Forestry Conference, November, 23rd to 26th, 2021 Venue: KEFRI HQTS, Muguga
2. Mary Gathara and **Stanley Nadir** (2021). Degradation and Rehabilitation status of Ondiri Wetland. Proceedings of the National Wetlands Conference held at the University of Eldoret from 13<sup>th</sup> -15<sup>th</sup> May, 2021
3. Godfrey Wafula, Mwakio P. Tole, Najimah Dharani, **Stanley Nadir** (2020). Effectiveness of a Wastewater Treatment Plant located at EPZ in reducing Pollutants Discharged into River Athi, Kenya. Proceedings of the National Wetlands Conference held at the University of Eldoret from 13<sup>th</sup> -15<sup>th</sup> May, 2021
4. George Tarus, **Stanley Nadir** (2020). Effect of Forest Management Types on Soil Carbon Stocks in Montane Forests: A Case Study of Eastern Mau Forest in Kenya. Proceedings of the National Wetlands Conference held at the University of Eldoret from 13<sup>th</sup> -15<sup>th</sup> May, 2021
5. **Stanley Nadir** (2018). Application of nuclear science and allied technologies in forestry and agroforestry research. Proceedings of the 3<sup>rd</sup> Radiation protection safety and security training (industrial and research) held at KEBS Mombasa from 3rd-7th December, 2018. KEBS, Kenya
5. **Stanley Nadir**, Victor Jaoko and Phesto Osano (2018). Water quality status in Mt. Elgon and Cherangany forested ecosystems (River Nzoia Catchment). Proceedings of the 5<sup>th</sup> KEFRI Scientific Conference held at KEFRI headquarters Muguga from 17-19 April 2018. KEFRI, Kenya.

### 8.2. Participation in Workshops/Conferences

- 2020: Climate Change Monitoring for Environment; Africa Regional Data Cube (ARDC) by IMTR/WMO
- 2018 Application of nuclear technology in Forestry and Agroforestry research by KEBS
- 2018: Radiation safety in Industrial and Research activities by KEBS
- 2016 Greenhouse Gas Measurements by International Atomic Energy Agency (IAEA)
- 2014 CABI Compendia training for online research resources
- 2012 Access to Global Online training for Research in Agriculture (AGORA)
- 2011 Data analysis (Genstat, SPSS & SAS training) Certificate of Service Moi University

### 9.2. Consultancies

- 2021: Project Investigator for the International Network on Bamboo & Rattan (INBAR)/Dutch-Sino-East Africa Bamboo Development Programme. Effects of growing bamboo on soil quality, biodiversity and hydrology (2020-23).
- 2015: Project Investigator for Nature Kenya. Evaluation & analysis of soil carbon stocks in Yala swamp

## **10. EXTERNAL AND INTERNAL RESEARCH GRANTS**

### CONTRIBUTION TO FUND WINNING PROPOSALS


1. Co-Project Investigator for Blue Carbon Initiative Feasibility Assessment and Stakeholder Outreach within Marereni Mangrove Community - The Satoyama Development Mechanism (SDM) 2021-22. Funded 10, 000 Euros
2. Project Investigator for the International Network on Bamboo & Rattan (INBAR)/Dutch-Sino-East Africa Bamboo Development Programme: Effects of growing bamboo on soil quality, biodiversity and hydrology (2020-23) funded for 20,000Euros.
3. National Research Fund (NRF) worth 15M (2017): Methods for monitoring and accounting for environmental co-benefits of Soil carbon and Greenhouse fluxes and Trade-off analysis of land management systems in Kenya. Other members: Prof. Wilson Ngetich (University of Eldoret), Elizabeth Okwuosa (KALRO), Kiplimo Langat (CEC- Nandi County) Ali Mwanzie – (Ministry of Environment & Forestry)
3. British American Tobacco (BAT) worth 7M (2016). Tree Planting Appraisal

## **14. MEMBERSHIP TO PROFESSIONAL BODIES**

Soil science society of America (ISSA) – Ongoing registration

## **15. REFEREES**

1. Dr. Joshua Cheboiwo. Director, Kenya Forestry Research Institute (KEFRI) Tel: 0722464469 Email: jkchemangare@yahoo.com
2. Prof. Wilson Ng'etich: Deputy Vice Chancellor Finance and Planning. University of Eldoret. P.O Box 1125, Eldoret. Tel +254-722366751 Email: wnget@yahoo.com
3. Dr. Ben Chikamai: Former Director, Kenya Forestry Research Institute (KEFRI) Email: bnchikamai@gmail.com

Signature: 

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