


Academic Staff Profile

Personal Profile

Personal Details

<p>Name: Julius Maina Waititu Title/Qualification: Geospatial Engineering Department: Urban and Regional Planning Designation/Position: Tutorial Fellow Email: waititu.julius@ku.ac.ke Contact Address: P.O BOX 43844-00100, Nairobi</p> <p>Area of Specialization:</p> <ul style="list-style-type: none">- Surveying- Geomatics- Geographic Information System (GIS),- Remote Sensing- Web based mapping- Cartographic Visualization <p>Research Interests:</p> <ul style="list-style-type: none">- Remote Sensing of the environment- Photogrammetry and 3D modelling of built-up areas- GIS and Mapping- Geomatics <p>Google Scholar:</p> <p>ORCID ID: https://orcid.org/0000-0002-5757-8060</p>	
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Academic & Professional Qualifications

- PhD in Geomatics and Geospatial Information Science, Dedan Kimathi University of Technology, ongoing
- Masters Geo-Information science and Earth Observation, University of Twente, Netherlands, 2012
- Bsc. Geospatial Engineering, University of Nairobi, 2009

Employment History

- Tutorial Fellow, KU, Department of Spatial Planning, May 2020 - to date
- Tutorial Fellow, Dedan Kimathi University, Institute of Geomatics, GIS and Remote Sensing (IGGReS), Aug 2017 – April 2020.
- Assistant Lecturer, University of Rwanda, Department of Surveying and Geomatics, Aug 2017 – April 2020.
- Surveyor/GIS Analyst, Geodev (K) Ltd, 2009 - 2010

Publications

- Waititu, J. M., Mundia, C. N., & Sichangi, A. W. (2020 – Under Review). Assessing distribution changes of selected native and alien invasive plant species under changing climatic conditions in Nyeri County, Kenya. *BioRxiv*.
<https://doi.org/10.1101/2020.08.25.265991>
- Waititu, J.M., Mundia, C.N., and Sichangi, A. W., (2019, November). Assessing alien invasive plants species spatial distribution under changing climatic conditions. Paper presented at 5th DeKUT International Conference on Science, Technology, Innovation and Entrepreneurship from 13th – 15th November 2019, DeKUT, Nyeri
- Waititu, J. M., & Irankunda, M., (2015, November). Towards smart planning and management of electricity distribution to customers in Rwanda. Poster session presented at the International Conference on Geospatial Technologies for Sustainable Urban and Rural Development, University of Rwanda, Kigali, Rwanda.

Funded Projects

- IFS grant D-6489-1. RESEARCH GRANT AGREEMENT NO. I-1-D-6489-1. Date: 2020-06-30. Project name: Development of a mapping framework for *Lantana Camara L.* invasive plant species

Conferenced/Workshops/Seminars Attended

Conferences Attended

- 5th DeKUT International Conference on Science, Technology, Innovation and Entrepreneurship from 13th – 15th November 2019, DeKUT, Nyeri
- International Conference on Geospatial Technologies for sustainable Urban and Rural Development from 18th – 20th November 2015, Kigali, Rwanda

Workshops Attended

- 1st Surveyors Preparatory Workshop On Mutual Recognition Agreement (MRA) In The East African Community Held on 17th – 18th February 2015, At Hilton Hotel, Nairobi Kenya

Affiliation of Professional Bodies

- Member, institution of Surveyors of Kenya
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Administrative Positions Held

Recognized university administrative positions

- Final Year Projects Coordinator for BSc in Geomatics and Geospatial Information Systems Program, Dedan Kimathi University of Technology
- Surveying and Geomatics Engineering & Building and Construction Technology Programmes coordinator at Nyagatare Campus, University of Rwanda