



THE TECHNICAL UNIVERSITY OF KENYA

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Current Designation:	Senior Technologist, GEOINFORMATION AND EARTH OBSERVATION (DCEO)
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	ENVIRONMENTAL SCIENCE	EGERTON UNIVERSITY(Kenya)	2015
Higher Diploma	CARTOGRAPHY	KENYA INSTITUTE OF SURVEY AND MAPPING(Kenya)	2003
Diploma	CARTOGRAPHY	KENYA POLYTECHNIC(Kenya)	1991
Certificate	GEOGRAPHY INFORMATION SYSTEMS (GIS)	KENYA INSTITUTE OF SURVEYING AND MAPPING(Kenya)	2011
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	NAKURU DAY SECONDARY SCHOOL(Kenya)	1986

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2018 - PRESENT	TECHNICAL UNIVERSITY OF KENYA	Technologist (XI)
2013 - 2018	KENYA INSTITUTE OF HIGHWAY AND BUILDING TECHNOLOGY	PART TIME TUTOR
2012 - 2018	KENYA INSTITUTE OF SURVEYING AND MAPPING	TUTOR
2015 - 2016	MACHAKOS UNIVERSITY	SESSIONAL LECTURER
1991 - 2012	MINISTRY OF LANDS AND PHYSICAL PLANNING	SENIOR CARTOGRAPHER

GENERAL STATEMENT ON RESEARCH AREAS

Am currently working on PhD by Research which is a collaborative project between University of South Bretagne, Fr. and The Technical University of Kenya. Courtesy of the French based Pamoja PHC.

CURRENT RESEARCH PROJECTS

Monitoring of Tree species using Object Based Time Series Analysis:-Acacia xanthophloea spp in Lake Nakuru National Park, Kenya	Geoinformatics
Monitoring of Tree species using Object Based Time Series Analysis:-Acacia xanthophloea spp in Lake Nakuru National Park, Kenya	Geoinformatics

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Chiuri, W., Osio, A.A. and Ciani, A., 2012. Impact of Climate Change Adaptive Strategies on Food Security in Kaloleni County, Kenya (No. 304-2016-4820, pp. 99-116). .Impact of climate change Adaptation strategies on Food security in Kaloleni County, Kenya.@ Presented at the 8th AFMA Conference . Venue: Sarova Pan-Afric Hotel, Nairobi, Kenya. Volume No. ISBN-9966-854-86-X	View online	
Osio, A., Pham, M. T., and Lefèvre, S.: SPATIAL PROCESSING OF SENTINEL IMAGERY FOR MONITORING OF ACACIA FOREST DEGRADATION IN LAKE NAKURU RIPARIAN RESERVE, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., V-3-2020, 525-532, https://doi.org/10.5194/isprs-annals-V-3-2020-525-2020 , 2020.	View online	
Anne Osio, Sébastien Lefèvre, Patrick Ogao, Samson Ayugi. OBIA-based Monitoring of Riparian Vegetation Applied to the Identification of Degraded Acacia Xanthophloea along Lake Nakuru, Kenya. GEOBIA 2018 - From pixels to ecosystems and global sustainability , Centre d'Études Spatiales de la BIOSphère (CESBIO); Office national d'études et de recherches aérospatiales (ONERA); Espace pour le développement (ESPACE DEV); Société T.E.T.I.S, Jun 2018, Montpellier, France. pp.18 - 22. fihal-01960341f	View online	
Osio, A., & Lefèvre, S. (2021). Object-Based Change Detection on Acacia Xanthophloea Species Degradation Along Lake Nakuru Riparian Reserve. The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences, 43, 347-352.	View online	
Nyawacha, S. O., Meta, V., & Osio, A. (2021). Spatial Temporal Mapping of Spread of Water Hyacinth in Winum Gulf, Lake Victoria. The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences, 43, 341-346.	View online	
Detection of Degraded Acacia tree species using deep neural networks on uav drone imagery	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
CLEOPHAS K. NGETICH	Use of GIS & Remote sensing in Analyzing water surface area: A case study of Lake Nakuru, KENYA	2021-2022
Otera David Okoko	Assessment of Land use Land cover and it's impact on Wildlife habitat: A case study of Lake Nakuru National Park.	2021-2022
Dorothy Kuto	Change Detection in Land use & Land cover using Remote sensing in Lake Baringo & Environs	2021-2022
Wanyonyi Abisagy Nafula	Use of Remote sensing & GIS for site selection of solar farm installation: A case study of West Pokot	2021-2022
Bilha Jeje Ohogo	Use of Remote sensing In Land use Change & It's Implication on Fishing in Lake Naivasha	2021-2022

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Bachelor of Philosophy (Geoinf)	Technical University of Kenya
Higher Diploma(Cartography)	Kenya Institute of Surveying & Mapping
Diploma(Cartography)	Kenya polytechnic
Msc Environemtal science	Egerton University, Njoro Campus.