



THE TECHNICAL UNIVERSITY OF KENYA

Haile Selassie Avenue, P.O. Box 52428, Nairobi, 00200, Tel +254(020) 343672, 2249974, 2251300, 341639

Fax 2219689, Email: vc@tukenya.ac.ke, Website: www.tukenya.ac.ke

NAME: DR JOAN MWIHAKI NYIKA

Faculty:	Applied Sciences and Technology
School:	PHYSICS AND EARTH SCIENCES
Department:	GEOSCIENCE AND THE ENVIRONMENT
Current Designation:	Lecturer, GEOSCIENCE AND THE ENVIRONMENT (DGSE)
Office Telephone:	+254(020) 2219929, 3341639, 3343672
Official Email:	joan.nyika@tukenya.ac.ke
Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	SCIENCE, ENGINEERING AND TECHNOLOGY	UNIVERSITY OF SOUTH AFRICA(Kenya)	2021
Masters of Science (M.Sc.)	LAND AND WATER MANAGEMENT	UNIVERSITY OF NAIROBI(Kenya)	2017
Bachelor of Science (BSc)	BIOCHEMISTRY AND MOLECULAR SCIENCE	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2010
Certificate	ENVIRONMENTAL FLOWS	UNESCO-IHE(The Netherlands)	2017

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
01/10/2021 - Present	Technical University of Kenya	Lecturer

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Nyika, J.M. (2017). Situational analysis of Nairobi River Basin (NRB). <i>Water Practice and Technology</i> , 12 (3), 589-603. DOI: 10.2166/wpt.2017.061	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2020). Assessment of trace metal contamination of soils in a landfill: A southern Africa case study. <i>Current Science Letters</i> , 9(2), 171-182. DOI: 10.5267/j.ccl.2020.2.003.	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2019). Waste Management in South Africa. A book Chapter under review for publication in book title, 'Sustainable Waste Management Challenges in Developing Countries, Edited by Agamuthu Pariatamby, Fauziah Shahul and Mehran Sanam, IGI Global Publishers.	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2020). Influence of physicochemical and mineralogical characteristics of soils on groundwater potential. <i>Journal of Environmental Science and Technology</i> , 13(2), 86-93. DOI: 10.3923/jest.2020.86.93	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2020). Comparative assessment of trace metal concentrations and their eco-risk analysis in soils of the vicinity of Roundhill landfill, Southern Africa. <i>Nature Environment and Pollution Technology</i> , 19(2), 539-548. DOI: 10.46488/NEPT.2020.v19i02.009	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2020). A Review on methods of assessing pollution levels from landfills in South Africa. <i>International Journal of Environment and Waste Management (IJEWM)</i> . Forthcoming Issue	View online	
Nyika, J. M. (2020). Climate change situation in Kenya and measures towards adaptive management in the water Sector. <i>International Journal of Environmental Sustainability and Green Technologies</i> , 11 (2). Forthcoming Issue.	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2019). Heavy Metal Pollution and Mobility in Soils within a Landfill Vicinity: A South African Case study. <i>Oriental Journal of Chemistry</i> , 35(4), 1286-1297. DOI: 10.13005/ojc/350406	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2019). A comparison of reproducibility of inductively coupled spectrometric techniques in soil metal analyses. <i>Air, Soil and Water Research</i> , 12, 1-8. DOI: 10.1177/1178622119869002	View online	
Nyika, J.M, Onyari, E.K., (2019). Hydrogeochemical Analysis and Spatial Distribution of Groundwater Quality in Roundhill Landfill Vicinity of South Africa. <i>Air, Soil and Water Research</i> , 12. 1-10. DOI: 10.1177/1178622	View online	
Nyika, J.M, Onyari, E.K., Dinka, M.O, Shivani, B, M. (2019). Analysis of particle size distribution of landfill contaminated soils and their mineralogical composition. <i>Particulate Science and Technology, An International Journal</i> , 37(6), 1-11. DOI: 10.1080/02726351.2019.1635238	View online	
Nyika, J.M. (2018). Decentralisation as a tool in improving water governance in Kenya. <i>Water Policy</i> , 20 (2), 252-265. DOI: 10.2166/wp.2018.102	View online	

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
PhD	University of South Africa