



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 COLLINS OTIENO HANDA

Faculty:	Applied Sciences and Technology
School:	HEALTH AND BIOMEDICAL SCIENCES
Department:	Pharmaceutical Sciences and Technology
Current Designation:	Lecturer, DEPARTMENT OF BIOLOGICAL AND LIFE SCIENCES
Office Telephone:	+254(020) 2219929, 3341639, 3343672
Official Email:	handacollins@tukenya.ac.ke
Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	AGRICULTURAL SCIENCES	UNIVERSITY OF BONN(Germany)	2011
Masters of Science (M.Sc.)	ECOLOGICAL MARINE MANAGEMENT	VRIJE UNIVERSITY BRUSSELS(Belgium)	2001
Bachelor of Science (BSc)	BIOLOGY	MOI UNIVERSITY(Kenya)	1996
Diploma	RESEARCH METHODOLOGY	INSTITUTE FOR HEALTH RESEARCH & DEVELOPMENT(Denmark)	2005
Postgraduate Course	TROPICAL COASTAL ECOLOGY, MANAGEMENT & CONSERVATION	BELGIAN ADMINISTRATION FOR DEVELOPMENT AND COOPERATION(Kenya)	1998
Short Course/ Training	Water Use Conflicts	DAAD Expert Seminar(Kenya)	2014
Short Course/ Training	Multi-Benefits & safeguards on Redd+	UNEP-Gigiri(Kenya)	2013
Short Course/ Training	MAINSTREAMING CLIMATE CHANGE IN DEVELOPMENT PLANNING	DEVELOPMENT REALITY INSTITUTE(Kenya)	2011

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
13/10/2014 - TO DATE	TECHNICAL UNIVERSITY OF KENYA	LECTURER
Jan 2022 - Dec 2023	Technical University of Kenya	Chair of Department, Water Quality, CIWRM
2023 - Date	Technical University of Kenya	ISO Champion, DBLS
2002 - 2014	NATIONAL MESEUM OF KENYA	SENIOR RESEARCH SCIENTIST

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Mwanake, R M;Handa, C , Wangari, E G ,Kolar, A ,Ambus, P, Butterbach-Bahl, K, Kiese, R(2026), Urban land use may enhance GHG fluxes and N2 losses from Afrotropical headwater streams: A case study of the Nairobi metropolitan area, Kenya.	View online	2026
Onwong'a, R. K., Oduor, A. M., Sitoki, L., & Handa, C. (2024). An Assessment of Local People's Knowledge and Management Practices of Freshwater Macrophytes in Three Kenyan Lakes. Lakes & Reservoirs: Research & Management, 29(1), e12461.	View online	2024
Onwong'a, Rebeccah Kwamboka, Collins Handa, Lewis Sitoki, and Ayub MO Oduor. "Biogeography of freshwater plants in four major lakes in Kenya." Journal of Freshwater Ecology 39, no. 1 (2024): 2374252.	View online	2024
Biggs, R., Kizito, F., Adjonou, K., Ahmed, M.T., Blanchard, R., Coetzer, K., Handa, C., Dickens, C., Hamann, M., O'Farrell, P. and Kellner, K., 2019. Current and future interactions between nature and society. In Brondizio, E. S., J. Settele, S. Díaz, and H. T. Ngo. "Global assessment report on biodiversity and ecosystem services of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services." IPBES Secretariat, Bonn (2019).	View online	2019
Pörtner, H.O., Scholes, R.J., Agard, J., Archer, E., Arneth, A., Bai, X., Barnes, D., Burrows, M., Chan, L., Cheung, W.L., Diamond, S., Donatti, C., Duarte, C., Eisenhauer, N., Foden, W., Gasalla, M. A., Handa, C., Hickler, T., Hoegh-Guldberg, O., Ichii, K., Jacob, U., Insarov, G., Kiessling, W., Leadley, P., Leemans, R., Levin, L., Lim, M., Maharaj, S., Managi, S., Marquet, P. A., McElwee, P., Midgley, G., Oberdorff, T., Obura, D., Osman, E., Pandit, R., Pascual, U., Pires, A. P. F., Popp, A., Reyes., García, V., Sankaran, M., Settele, J., Shin, Y. J., Sintayehu, D. W., Smith, P., Steiner, N., Strassburg, B., Sukumar, R., Trisos, C., Val, A.L., Wu, J., Aldrian, E., Parmesan, C., Pichs-Madruga, R., Roberts, D.C., Rogers, A.D., Díaz, S., Fischer, M., Hashimoto, S., Lavorel, S., Wu, N., Ngo, H.T. 2021. IPBES-IPCC co-sponsored workshop report on biodiversity and climate change; IPBES and IPCC. DOI:10.5281/zenodo.4782538	View online	2021