



A PROFILE OF PROFESSOR PETER EDOME AKWEE, Ph.D.

Professor Peter Edome Akwee is a natural scientist with a specialization in Plant Genetics. He graduated top of his class with a Bachelor of Education Science Degree in Botany (Major) and Chemistry (minor), earning a First Class Honors from Moi University in Kenya (2006). He also holds a Master of Science Degree in Science Education (Biology option) from Masinde Muliro University of Science and Technology (MMUST), awarded in 2010, and a Doctor of Philosophy (PhD) Degree in Botany with a specialization in Genetics from Maseno University (2016).

After graduating, Professor Edome began his academic career in 2007 as a Graduate Teaching Assistant in the Department of Biological Sciences at MMUST. He steadily rose through the academic ranks, being promoted to Assistant Lecturer in 2010 and Lecturer in 2013. In 2017, Professor Edome was seconded by MMUST University Management to Turkana University College (TUC), where he was subsequently interviewed and promoted to Senior Lecturer in 2018. He later attained the rank of Associate Professor (2024) in the Department of Biological and Physical Sciences.

In addition to his passion and commitment to teaching and research pursuits, Professor Edome has cultivated substantial expertise in academic administration and leadership, serving in diverse capacities at various echelons of the university structure. Prior to his current appointment as Acting Deputy Principal in charge of Research, Innovation, and Linkages at Turkana University College, effective 1st May 2025, Professor Edome previously served twice in the role of Acting Deputy Principal in charge of Academics and

Student Affairs from January to July 2020, and again from November 2024 to April 2025.

At Masinde Muliro University of Science and Technology, he served as Campus Coordinator for Kakuma Campus from December 2015 to March 2017. Additionally, he was the Founding Dean of the School of Science and Technology at Turkana University College, a position he held from April 2017 until October 2024. He has also served in many capacities both in the University College Academic Board (UCAB) committees, Deans Committees of TUC and MMUST Senate committees including being chairperson of several Ad Hoc Committees of the University College Academic Board (UCAB) at TUC. He has served as the Chairperson of the Turkana University College Students Association (TUCSO IEC) for three (3) consecutive academic years (2021-2024) as well as commissioner for two terms (2019-2020).

Professor Edome is a distinguished scholar and prolific researcher in the region, having secured numerous research grants and awards, and has successfully supervised postgraduate students at both Masters and PhD levels for the last eighteen (18) years at the university. Professor Edome has coordinated the consultancy Project by State Department for Higher Education and Research under the Ministry of Education as the Project team leader to conduct a tracer study of prospective university students of the (KCSE 2022 and 2023 cohorts who qualified but failed to enroll in Universities (May to June, 2025).

Professor Edome has perfectly coordinated the Horn of Africa-Regional Environmental Centre & Network (HOA-REC/N) –Demand Driven Action Research (DDAR) project as the Principal Investigator and Project team leader. The HOA-REC/N –DDAR project supported and funded the postgraduate (PhD and Master Students, 2020 to 2023). He also served as the Co-Principal Investigator (2023-2025) for the 3IS project (3Is-Impactful, Inclusive, Integrated Higher Education in East Africa) Project. A Consortium of Kenyan, Ethiopian, Somali, Spain and Greece Universities that aimed to strengthen Higher Education in remote Somalia, Ethiopia and Kenya. He has also won and awarded the MMUST

University Research Fund (URF) as the Principal Investigator (2009), and the Germany Academic Exchange Service-DAAD scholarship awards (2008-2009 & 2013- 2015).

As result of extensive research expertise that Professor Edome has conducted, he has published widely in several peer-reviewed articles and participated for over fifty regional and international conferences. He has published thirty three (33) peer reviewed journal articles and presented over forty five (45) papers in refereed proceedings and abstracts. In addition, he has organized two regional and five (5) international conferences with stakeholders and collaborating partners. As result of these efforts, he has graduated three (3) PhDs and twelve (12) Masters Students to completion in various multi-disciplinary disciplines in both natural and social sciences, and still has many more students under his supervision.

As an academician, Professor Edome has played a key role in the development and review of over 25 academic curricula during his tenure as the Founding Dean of the School of Science and Technology. He has also contributed significantly to the design and development of the Master of Science in Human Evolutionary Biology curricula in collaboration with Turkana Basin Institute/Stony brook University in New York, USA. He has also established very strong and meaningful partnerships and linkages for Science and Technology development at the University College.

Professor Edome has also served in several technical committees at national and international levels. He served as a technical member that spearheaded the development of the medium sector Plan for Blue Economy, 2023-2027 organized Ministry of Agriculture, Livestock, Fisheries and Cooperatives, State Department for Fisheries, Aquaculture and The Blue Economy. The notable achievements included but not to the drafting and adoption of the Draft Integrated Fisheries Co-Management Plan for Lake Turkana Basin and Omo River Fisheries Management supported by IGAD; Reviewing and Developing Framework of Collaboration on Blue Economy Strategy for Frontier Counties Development (FCDC) between Kenya Maritime Authority as nominated member.

Professor Edome is deeply committed to national and community outreach initiatives. He currently serves as the Chairman of the County Education Board in Turkana County under the Ministry of Education, Science and Technology, specifically within the State Department of Early Learning and Basic Education (2024–present). Additionally, he is a member of the Turkana County Education Fund Management Board (2024–present). Previously, he served as the Vice Chairman of the Board of Management at Lodwar Boys National School (2019–2025) and held the same position at Moi High School-Kalokol for two consecutive terms (2016–2022). Additionally, he is a member of the Turkana County Climate Change Steering Committee (2023–present). In the faith-based education sector, Professor Edome holds several leadership roles within the Africa Inland Church (AIC). He is the Education Secretary for the AIC Turkana Area Church Council (2023–present), previously served as the Deputy Secretary General of the AIC Lodwar District Church Council (2018–2023), and continues to serve as the Secretary General of the AIC Nakwamekwi Local Church Council (2018–present).

Professor Edome is an active member of several professional bodies and associations, including but not limited to: The Association of Kenyan Entomologists (AKE), the Soil Science Society of East Africa (SSSEA), the Kenya-Germany DAAD Scholars Association, the Horticultural Association of Kenya (HAK), the Lodwar Old Boys Professionals Association (LOBA), and the Turkana Professionals Association (TPA).