



Inspiring Innovation and Leadership

KARATINA UNIVERSITY

STAFF PROFILE TEMPLATE



1. **Name:** Dr. Tom Ouna
2. **Designation:** Lecturer
3. **Employment details**

School: School of Education and Social Sciences

Department: Humanities and Languages

4. **Contact Information**

Email Address touna@karu.ac.ke

Research Links:

4. **Describe your professional self**

Doctor Tom Ouna is a Lecturer in the School of Education and Social Sciences at Kaaratina University where he has been a faculty member since 2017. He has been the coordinator of Geography Courses in between 2020–2023 and specializes in both Physical Geography and Geotechnologies of GIS, Remote Sensing and Cartography. Tom completed his Ph.D. (Geography), Masters in Environmental Planning and Management and Bachelor of Education at Nairobi University. His research interests lie in modelling environmental and climatic changes and planning and management of adoption and mitigation measures.

He has collaborated actively with researchers in several other disciplines of livestock, agriculture, forestry and water. He has also worked with some regional and international organizations in Eastern Africa.

Dr. Ouna serves in a panel of experts for a Kenya government World-Bank project. He is a registered and practicing Lead expert in Environmental Impact Assessment and Audit with National Environmental Management Authority where he serves in its Technical Committees. Tom has long-term experience in offering GIS and Remote Sensing Trainings and management of donor-funded projects.

5. Area/ Field of specialization: *Spatial Analysis, Geography, Environmental Planning and Management.*

6. Research interests: *Modelling environmental and climatic changes; Environmental planning and management; Energy; and Project Management*

7. List some of your key published works. *Rainfall, Droughts, Conflicts, GIS Analysis, Farming Systems and Climate Change*

Peer-reviewed Publications

1. Local Perceptions of Droughts and Conflicts in Laikipia West-sub County, Kenya. Joyce W. Mwangi, Peter N. Kamau and **Tom O. Ouna**, 2020. Journal of Arts and Humanities. (<https://theartsjournal.org/index.php/site/article/view/2012>)
2. Assessing the influence of rainfall and Temperature on Adoption of Organic Farming in Laikipia West-sub County, Kenya. Paul M. Murage, Peter N. Kamau and Tom O. Ouna, 2020. Journal of Arts and Humanities. (<https://www.theartsjournal.org/index.php/site/article/view/2074>).
3. Assessment of Tomato Farming Systems and Rainfall Variability Related Implications in Semi-Arid Regions of Central Kenya, 2020. Joseph M. Karienyee, Dr. Tom Ouna, Dr. Hellen Kamiri. Journal of Arts and Humanities. <https://socialevolutionandhistory.com/article/view/Abstract-1948.php>
4. Effects of Land Use Change on Banana Production: A Case Study of Imenti South Sub-County of Meru County in Kenya. Nyamamba, Kevin A.; Ouna, Tom O.; Kamiri, Hellen; Pane, Erwin (Britain International of Exact Sciences Journal, 2020-09). <https://karospace.karu.ac.ke/handle/20.500.12092/1797>
5. GIS Analysis of Physical Accessibility to Food Markets in Tharaka Region of Kenya. Kibetu D. K., Huho J.M. and **Ouna T.O.** Review of Agricultural and Applied Economics (2020). <https://www.researchgate.net/profile/Tom-Ouna-2>
6. Spatial Distribution and Patterns of Market Usage in Semi-Arid Tharaka sub-County: Implications for Household and Food Insecurity. Kibetu D. K., Huho J.M. and **Ouna T.O.** Natural Resources and Sustainable Development (2021) <https://www.researchgate.net/profile/Tom-Ouna-2>.

7. [7.Determinants for Marketing of Grain Food Crops by Households Across Rural Livelihood Zones in Tharaka Constituency, Kenya.](#) Kibetu D. K., Huho J.M. and **Ouna T.O.** Natural Resources and Sustainable Deveopment (2021). <https://www.researchgate.net/profile/Tom-Ouna-2>.