



# MAASAI MARA UNIVERSITY

SCHOOL OF NATURAL RESOURCES, ENVIRONMENTAL STUDIES AND AGRICULTURE  
DEPARTMENT OF ENVIRONMENTAL STUDIES, GEOGRAPHY AND PLANNING

## List of Publications for Staff Teaching Masters of Science in Environmental Science

Staff	Field of Research	Publication List
Prof. Romulus Abila	Ecology of Freshwater Ecosystems and Conservation	<p><b>PUBLICATIONS.</b></p> <p>i. <u>Books and Book Chapters</u></p> <p><b>1. Romulus Abila (2023)</b> <i>Research Methods: A Problem Based &amp; Learner Centered Approach</i>. African Centre for Technology Studies (ACTS), Nairobi, 128pp.</p> <p>ii. <u>Articles in refereed Journals</u></p> <p>i. Susan M. Kotikot, Erica A.H. Smithwick, Jedidah Nankaya, Sarah Gergel, Karl Zimmerer, <b>Romulus Abila (2025)</b> Heterogeneous perceptions of change in rainfall patterns highlight differential climate vulnerability among agropastoral communities. <u>In Press</u>. <i>Annals of American Of Geographers</i>.</p> <p>ii. Yvonne Wambui Githiora-Murimi, Margaret Awuor Owuor, <b>Romulus Abila</b>, Daniel Olago &amp; Silas Oriaso. Perceptions, trends and adaptation to climate change in Yala wetland, Kenya (2023). <i>International Journal of Climate Change Strategies and Management</i>. 15 (5), 690 – 711. doi 10.1108/IJCCSM-07-2022-0089. Available online at <a href="https://www.emerald.com/insight/content/doi/10.1108/IJCCSM-07-2022-0089/full/html">https://www.emerald.com/insight/content/doi/10.1108/IJCCSM-07-2022-0089/full/html</a></p>

		<p>i. Yvonne Wambui Githiora-Murimi, Margaret Awuor Owuor, <b>Romulus Abila</b>, Daniel Olago &amp; Silas Oriaso (2022) Integrating stakeholder preferences into ecosystem services mapping in Yala wetland, Kenya, <i>Ecosystems and People</i>, <b>18:1</b>, 146-163, DOI: 10.1080/26395916.2022.2039774,</p> <p>i. Doryce Ndubi and <b>Romulus Abila</b> Microbial Composition and Abundance in Drinking Water Sources in Narok. <i>Journal of the Kenya National Commission for UNESCO</i>. Vol. 1 (1) 179 – 187. Jan. – June 2021.</p> <p>i. Samwel, M., <b>Abila, R.</b> and Mabwoga, S. (2021) Assessment of Climate Variability in Kisii Kenya and Its Implications on Food Security. <i>American Journal of Climate Change</i>, <b>10</b>, 386-395. doi: <a href="https://doi.org/10.4236/ajcc.2021.104019">10.4236/ajcc.2021.104019</a>.</p> <p>i. Jilani C. Chiro, <b>Romulus Abila</b>, Aggrey Thuo (2020) Effects of liquid waste management approaches in high end hotels on wastewater quality in Sekenani, Masai Mara Game Reserve, Kenya (2020) <i>American Journal of Water Resources</i>, 2020, Vol. 8 (4), 173-181. <a href="http://pubs.sciepub.com/ajwr/8/4/3">http://pubs.sciepub.com/ajwr/8/4/3</a>.</p> <p>i. J. E. Barasa, S. Mdyogolo, <b>R. Abila</b>, J. P. Grobler, R. A. Skilton, M. N. Njehira, E. J. Chemoiwa, O. G. Dangasuk, B. Kaunda-Arara and E. Verheyen (2017) Genetic diversity and population structure of the African catfish, <i>Clarias gariepinus</i> (Burchell 1822) in Kenya: implication for conservation and aquaculture. <i>Belgian Journal of Zoology</i> <b>147 (2)</b>: 105 – 127. <a href="https://doi.org/10.26496/bjz.2017.9">https://doi.org/10.26496/bjz.2017.9</a>.</p> <p>i. Chemoiwa E.J.; <b>Abila, R.</b> Njenga, E.W. and Barasa, J (2017) Morphological Characterization and Relationship between Morphometric Parameters and Standard Length in <i>Barbus altianalis</i> (Boulenger, 1904) Populations in Lake Victoria Drainage Basin, Kenya. <i>Annual Research &amp; Review in Biology</i>, <b>14(5)</b>: 1-11, 2017; Article no.ARRB.31984. ISSN: 2347-565X, NLM ID: 101632869 DOI <a href="https://doi.org/10.9734/ARRB/2017/31984">https://doi.org/10.9734/ARRB/2017/31984</a>.</p> <p>i. <b>Abila, R. et. al.</b> (2016). Oil extraction imperils Africa's Great Lakes. <i>Science</i>, <b>354 (6312)</b>, 561-562. <a href="http://science.sciencemag.org/content/354/6312/561">http://science.sciencemag.org/content/354/6312/561</a>,</p> <p>i. J. E. Barasa, <b>R. Abila</b>, J. P. Grobler, M. Agaba, E. J. Chemoiwa and B. Kaunda-Arara (2016) High genetic diversity, population structure and evolutionary change in Clariid catfishes of Yala swamp: Evidence from mitochondrial DNA sequences. <i>Journal of Fish</i></p>
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		<p><i>Biology</i>, <b>89(3)</b>: 2557 - 2570. doi:10.1111/jfb.13150, <a href="http://www.wileyonlinelibrary.com">www.wileyonlinelibrary.com</a>.</p> <p>i. J. Paul Grobler, Sinobongo Ndyogolo, James Barasa, <b>Romulus Abila</b>, and Andre F.J. Schlemmer (2015) Genetic identification of invasive walking catfish <i>C. batrachus</i> intermingled with African catfish <i>C. gariepinus</i> in South Africa. <i>African Journal of Wildlife Research</i> 45(1): 55–62 (April 2015). <a href="https://doi.org/10.3957/056.045.0105">https://doi.org/10.3957/056.045.0105</a></p> <p>i. J. E. Barasa, <b>R. Abila</b>, P. J. Grobler, G. O. Dangasuk, M. Njahira and B.K. Arara ( 2014) Genetic diversity and gene flow in <i>Clarias gariepinus</i> from Lakes Victoria and Kanyaboli, Kenya. <i>African Journal of Aquatic Science</i>. <b>39(3)</b>: 287–293 <a href="http://dx.doi.org/10.2989/16085914.2014.933734">http://dx.doi.org/10.2989/16085914.2014.933734</a></p> <p>i. Nthenge A and <b>R. Abila</b> (2014) Dammed and Damned? Consequences of large scale land use changes on environment, livelihood and food security in the Yala swamp ecosystem, Kenya, East Africa. <i>Int. Jnl. Adv. Res.</i>, <b>2(3)</b>, 1 – 13. ISSN 2320 – 9186.</p> <p>i. E. J. Chemoiwa, <b>R. Abila</b>, A. Macdonald, J. Lamb, E. Njenga, J. E. Barasa ( 2013) Genetic diversity and population structure of the endangered Ripon Barbel, <i>Barbus altanialis</i> (Boulenger, 1900) in Lake Victoria catchment, Kenya based on mitochondrial DNA sequences. <i>J. Appl. Ichthyol.</i> <b>29</b> (2013), 1225 - 1233. doi: 10.1111/jai.12313. <a href="http://onlinelibrary.wiley.com/doi/10.1111/jai.12313/abstract">http://onlinelibrary.wiley.com/doi/10.1111/jai.12313/abstract</a>,</p> <p>i. <b>Abila R</b>, Muthangya M, Mutuku E, Mutati K, Munguti M, Musyoka CM (2012) Physico - chemical and bacteriological quality assessment of shallow wells in Kitui town, Kenya. <i>Jnl. Env. Sci. Wat. Res</i> <b>1</b> (2) 27 – 33. <a href="http://wudpeckerresearchjournals.org/JESWR/Pdf/2012/Mar/Abila%20et%20al.pdf">http://wudpeckerresearchjournals.org/JESWR/Pdf/2012/Mar/Abila%20et%20al.pdf</a>,</p> <p>i. <b>Abila R (2011)</b> Preliminary gut content and dentition analysis reveal subtle resource partitioning and feeding adaptations within a haplochromine cichlid community of a Lake Victoria satellite lake. <i>Afr. Jnl. Env. Sc. Tech.</i> Vol. 5(<b>6</b>), pp. 457 – 463. June, 2011. <a href="http://www.academicjournals.org/ajest/PDF/pdf%202011/Jun/Abila.pdf">http://www.academicjournals.org/ajest/PDF/pdf%202011/Jun/Abila.pdf</a>,</p> <p>Paul O. Angienda, Hyuk Je Lee, Kathryn R. Elmer, <b>Romulus Abila</b>, Eliud N. Waindi and Axel Meyer (<b>2011</b>). Genetic structure and gene flow in an endangered native tilapia fish (<i>Oreochromis esculentus</i>) compared to invasive Nile tilapia (<i>Oreochromis niloticus</i>) in Yala swamp, East Africa. <i>Conservation Genetics</i>. <b>12</b>:243–255. DOI 10.1007/s10592-010-0136-2. <a href="https://link.springer.com/article/10.1007/s10592-010-0136-2">https://link.springer.com/article/10.1007/s10592-010-0136-2</a>,</p> <p>i. <b>Abila, R</b>, Walter Salzburger, Millicent F. Ndonga, Dickson Otieno Owiti, Marta</p>
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		<p>Barluenga and Axel Meyer <b>(2008)</b> The role of the Yala swamp lakes in conservation of Lake Victoria basin haplochromine cichlids: evidence from genetic and trophic ecology studies. <i>Lakes and Reservoirs: Research Management</i> <b>13</b>, 95 – 104. doi:10.1111/j.1440-1770.2008.00366.x,</p> <p><b>Abila, R (2005)</b> Biodiversity and sustainable management of a tropical wetland lake ecosystem: A case study of Lake Kanyaboli, Kenya. <i>FWU – Water Resources Publications</i> <b>3</b>, 1- 11. <a href="http://www3.uni-siegen.de/fb10/fwu/ww/publikationen/volume0305/pdf/abila.pdf">www3.uni-siegen.de/fb10/fwu/ww/publikationen/volume0305/pdf/abila.pdf</a>). Cited by Wikipedia <a href="http://en.wikipedia.org/wiki/Yala_Swamp">http://en.wikipedia.org/wiki/Yala_Swamp</a>.</p> <p><b>Abila, R, Marta Barluenga, Johannes Engelken, Axel Meyer and Walter Salzburger (2004)</b> Population –structure and genetic diversity in a haplochromine cichlid of a satellite lake of Lake Victoria. <i>Molecular Ecology</i> (2004). <b>13</b>, 2589 – 2602. <a href="http://www.evolutionsbiologie.uni-konstanz.de/pdf1-182/P163.pdf">www.evolutionsbiologie.uni-konstanz.de/pdf1-182/P163.pdf</a>)</p> <p>i. <b>Romulus Abila (2002)</b>. Utilization and economic valuation of the Yala swamp wetland, Kenya. In: Gawler, M. (Ed.). Best practices in participatory management. <i>Proceedings of a workshop held at the 2<sup>nd</sup> International Conference on Wetlands and Development, Dakar, Senegal. Wetlands International. PP96 – 104. IUCN – WWF Publications No 65 Wageningen, The Netherlands. ISBN 90 -1882 – 0084. ( Available on line at: <a href="http://www.iucn.org/themes/wetlands/pdf/DakarProceed1.pdf">http://www.iucn.org/themes/wetlands/pdf/DakarProceed1.pdf</a>)</i></p> <p>iii. <u>Scientific and Technical Consultancy Reports</u></p> <p><b>Romulus Abila (September, 2019)</b> <i>Profile of biological and physical resources and social-ecological impacts along proposed Malindi – Kilifi KETRACO high voltage electricity transmission line: A consultancy report to Africa Waste and Environment Management Centre, Nairobi.</i></p> <p><b>Romulus Abila (December, 2019)</b> <i>Profile of biological and physical resources and social-ecological impacts along proposed Machakos – Mwala -Ekalaekela KETRACO high voltage electricity transmission line: A consultancy report to Africa Waste and Environment Management Centre, Nairobi.</i></p>
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		<p><b>Romulus Abila (August, 2019)</b> An Initial Environmental Impact Assessment and Audit Report for Emmanuel Educational Centre, Narok.</p> <p><b>Romulus Abila (May, 2015)</b> <i>Profile of biological and physical resources of the Chyulu Hills</i>. A consultancy report to Africa Waste and Environment Management Centre, Nairobi for the consultancy Kenya Water Towers Agency: development of Community Development Action Plans for Chyulu water towers.</p> <p><b>Romulus Abila (July, 2014)</b> <i>Development of the environmental monitoring programmes in relation to solid waste to protect the environment</i>. A consultancy report to Africa Waste and Environment Management Centre, Nairobi for the consultancy Provision of Consultancy Services for Review of Kisumu Integrated Solid Waste Management Plan (KISWAMP) For Kisumu City.</p> <p><b>Romulus Abila et al., (2014)</b> <i>Kenya- Integrated Water Resources Management (IWRM) and Aquaculture Sector Labour Market Needs Assessment</i>. Reported of Labour Markets Needs Assessment conducted in collaboration with Q –Point, Netherlands, March 2014.</p> <p><b>Romulus Abila (2012)</b> <i>Biodiversity and the Role of 'Dryland Wetlands' in Semi Arid Mikuyuni – Mwitasyano River Catchment in South Eastern Kenya as a Source of Livelihood</i>. Report submitted to Rufford Small Grant. April, 2012. Available at: <a href="http://www.rufford.org/rsg/projects/romulus_abila">http://www.rufford.org/rsg/projects/romulus_abila</a>.</p> <p><b>DAAD alumni expert seminar "Integrated Watershed Management for Sustainable Natural Resource Management and Conflict Resolution "</b> Mbale, Uganda, 04<sup>th</sup> April 2011 to 14<sup>th</sup> April 2011. Report available at <a href="http://www.gawn.de/seminars/elgon11/Mbale%20seminar%20Summary%20report.pdf">http://www.gawn.de/seminars/elgon11/Mbale%20seminar%20Summary%20report.pdf</a>.</p> <p><b>Romulus Abila (2008)</b> Are satellite lakes of Lake Victoria refuges for 'lost' tilapia genetic resources?. A Small Ecological Project Grant Report to British Ecological Society. Grant No. 945/1175. <a href="http://www.britishecologicalsociety.org/grants/reports/archives.php">http://www.britishecologicalsociety.org/grants/reports/archives.php</a>.</p> <p><b>Romulus Abila (1998)</b> <i>An evaluation of community utilization, conservation and perception of a Kenyan wetland</i>: A case study of the Yala swamp. Report Submitted to the BP Conservation Programme, UK.</p> <p>iv. <u>Presentations in popular media</u></p>
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		<p>'Poor land use drives degradation up' – Expert opinion provided in an article appearing in the <i>People Daily</i> Newspaper, 30<sup>th</sup> June 2020. <a href="https://www.pd.co.ke/lifestyle/poor-land-use-drives-degradation-up-41974/">https://www.pd.co.ke/lifestyle/poor-land-use-drives-degradation-up-41974/</a>.</p> <p>'Yala swamp wetland: An Ecosystem services valuation'. A documentary produced as part of National Geographic Society research <a href="https://youtu.be/PBQSoAJueW0">https://youtu.be/PBQSoAJueW0</a>.</p> <p>'Conservation of Akara Hills' – Lake Kanyaboli ecosystem: A documentary video <a href="https://www.youtube.com/watch?v=52cJM5ZwOc4">https://www.youtube.com/watch?v=52cJM5ZwOc4</a>.</p> <p>Abila, R (2015) Conservation of the Yala swamp wetland for sustainable development <a href="https://www.standardmedia.co.ke/article/2000148974/conservation-of-the-yala-swamp-wetland-for-sustainable-development">https://www.standardmedia.co.ke/article/2000148974/conservation-of-the-yala-swamp-wetland-for-sustainable-development</a></p> <p>v. <u>Practical Manuals developed</u></p> <p>Romulus Abila (2020) A Manual of Practical Marine Ecology. Maasai Mara University, 2020  Romulus Abila (2020) Tropical Ecology: A Practical Manual. Maasai Mara University, 2020</p> <p><b>SELECTED PRESENTATIONS AT INTERNATIONAL CONFERENCES</b></p> <p>2025 Africa Explorers Workshop: Building Community through Collaborative Leadership. Brackenhurst, Nairobi. 25<sup>th</sup> – 30<sup>th</sup> January, 2025.</p> <p>Romulus Abila (2023) <i>Toward Strengthening Postgraduate training in African Universities for 21<sup>st</sup> Century</i>. Paper presented at the 13<sup>th</sup> African Network for Internationalization of Education (ANIE), Zanzibar, 4<sup>th</sup> – 6<sup>th</sup> October, 2023.</p> <p>Yvonne Githiora, Margaret A. Owuor, Romulus Abila and Daniel Olago (2022) <i>Participatory scenarios as a tool to promoting inclusion in managing the future of Yala wetland, Kenya</i>. Paper presented at the INTECOL 2022 International Conference, Geneva, August 28 - September 2, 2022.</p> <p>Romulus Abila (2022) <i>Ecology teaching and research in Africa: Insights into challenges and opportunities</i>. Paper presented at the INTECOL 2022 International Conference, Geneva, August 28 - September 2, 2022.</p> <p>Romulus Abila (2021) <i>Biodiversity and ecosystem services in the Yala swamp socio-ecological</i></p>
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		<p><i>system, East Africa</i>. Paper presented at the Wuhan Forum of World Famous Scientists' Lecturing in Hubei. Hubei University, Wuhan, China. 11<sup>th</sup> – 13<sup>th</sup> October, 2021.</p> <p>Patrice Moranga Samwel, Romulus Abila and Samson Mabwoga (2021) <i>Assessment of Climate Variability in Kenya and Its Implications on Food Security: The Case of Kisii County, Kenya</i>. Paper presented at the 6<sup>th</sup> Maasai Mara University International Conference. 28<sup>th</sup> – 30<sup>th</sup> June 2021.</p> <p>R. Abila (2021) <i>The role of multidisciplinary research and innovation in intervention of societal challenges: Lessons from COVID19</i>. Keynote paper presented at the Masinde Muliro University of Science and Technology, School of Natural Sciences (SONAS) 2021 Annual Scientific Conference.</p> <p>R. Abila, J. P. Grobler, J. E. Barasa, S. Mdyogolo, E. J. Chemoiwa, O. G. Dangasuk, B. Kaunda-Arara , Walter Salzburger, Axel Meyer and E. Verheyen (2019) <i>MOLECULAR TOOLS AND CONSERVATION OF LAKE VICTORIA BASIN ICHTHYOFAUNAL BIODIVERSITY: PROSPECTS, OPPORTUNITIES AND CHALLENGES</i>. Keynote paper presented at the Society of Molecular Biology and Evolution Regional Meeting, Zomba, Malawi. <b>September 18 – 22, 2019.</b></p> <p>Jilani C. Chiro, Romulus Abila, Aggrey Thuo. <i>Effects of liquid waste management approaches in high end hotels on wastewater quality in Sekenani, Masai Mara Game Reserve, Kenya</i>. Paper presented at the ANSO – CAS – MMU International Conference, Maasai Mara University, Kenya. <b>4<sup>th</sup> – 6<sup>th</sup> September 2019</b></p> <p>Mercy Kirumba, Nathan Oyaro, Romulus Abila (2020) <i>Investigating the Utilization and Effectiveness of Water Pans as a Water Harvesting Adaptation Strategy in Narok County, Kenya</i>. Paper presented at the ANSO – CAS – MMU International Conference, Maasai Mara University, Kenya. <b>4<sup>th</sup> – 6<sup>th</sup> September 2019</b></p> <p>Evanca Ouya, Paul Webala, Romulus Abila, Francis Mburu. <i>Promoting Tree Growing for Climate Change Mitigation as a Platform for Public Education and Community Outreach Programme for Environmental Conservation in Narok County</i>. Paper presented at the ANSO – CAS – MMU International Conference, Maasai Mara University, Kenya. <b>4<sup>th</sup> – 6<sup>th</sup> September 2019</b></p> <p>Romulus Abila &amp; Margaret A. Owuor (2016) <i>Conservation and Management of the Yala Swamp Wetland for Sustainable Development: An Ecosystem Management Approach</i>.</p>
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		<p>Paper presented at the 2<sup>nd</sup> International Maasai Mara University Conference. <b>25<sup>th</sup> – 26<sup>th</sup> May, 2016.</b></p> <p>Yvonne W. Githiora, Romulus Abila, Margaret Awuor Owuor, Daniel Olago <i>Assessment of ecosystem services of the Yala Swamp using the Matrix Approach Tool: An initial step to integrated natural resources management.</i> Poster/paper presented Great Lakes of the World (GLOW) 9<sup>th</sup> International Conference, Kisumu, Kenya. <b>5<sup>th</sup> – 8<sup>th</sup> August 2019.</b></p> <p>International Conference on Blue Economy, Nairobi, Kenya. <b>26<sup>th</sup> – 28<sup>th</sup> November 2018.</b></p> <p>Southern African Wildlife Management Association (SAWMA) Symposium. <b>15<sup>th</sup> -19<sup>th</sup> September 2013.</b> Nombole Mdluli Conference Centre, Skukuza, Kruger National Park, South Africa. Paper presented: <i>Genetic diversity and population structure of the endangered Ripon Barbel, Barbus altianalis (Boulenger, 1900) in Lake Victoria catchment, Kenya based on mitochondrial DNA sequences.</i></p> <p>Tropical Biology Association African Alumni Group Conference: <b>"Biodiversity in Africa – Present State, Challenges and Prospects for its Conservation" 2<sup>nd</sup> – 4<sup>th</sup> July 2013, National Museums of Kenya, Nairobi.</b> Invited session chair and presented paper <i>The Role of 'Dryland Wetlands' in Semi Arid Mikuyuni River Catchment in South Eastern Kenya as sources of livelihood.</i></p> <p>Sustainable Water Management in African Countries Conference. <b>Maseno University-Kisumu, Kenya. 1<sup>st</sup> – 3<sup>rd</sup> October 2012.</b> Poster presented: <i>Physico - chemical and bacteriological quality assessment of shallow wells in Kitui town, Kenya.</i></p> <p>International Conference on Food Security and Environmental Sustainability in a World of Changing Climates. <b>Bondo University College, Kenya. 20<sup>th</sup> – 23<sup>rd</sup> February 2011.</b> Paper presented: <i>Harnessing the environmental services and promoting community based conservation in the Lake Kanyaboli Reserve for poverty alleviation and sustainable development.</i></p> <p>Kenya International Conference on Biodiversity, Land Use and Climate Change. <b>Intercontinental Hotel, Nairobi, Kenya. 15<sup>th</sup> – 17<sup>th</sup> September 2010.</b> Posters presented: 1. <i>Ecological Evolution of Lake Sare: The need to develop and manage fisheries resources of the small water bodies in Kenya.</i> 2. <i>Efficacy of effluent treatment by constructed wetlands: the case of Chemomi Tea factory Wastewater Treatment Plant, Nandi South District, Kenya.</i></p>
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		<p>3<sup>rd</sup> British Ecological Society – Tropical Ecology Group Researcher Meeting, <b>Manchester Metropolitan University. 30<sup>th</sup> – 31<sup>st</sup> March 2009.</b> Paper presented: <i>Trophic relationships in a non Nile Perch impacted haplochromine community of a satellite lake in Lake Victoria basin, Kenya.</i></p> <p>11<sup>th</sup> World Lake Conference, <b>Nairobi, Kenya. 31<sup>st</sup> October – 4<sup>th</sup> November, 2005.</b> Papers presented: <i>Biodiversity and sustainable management of a tropical wetland lake ecosystem: A case study of Lake Kanyaboli, Kenya.</i> AND <i>The role of the Yala swamp lakes in conservation of Lake Victoria basin haplochromine cichlids: evidence from molecular genetic and trophic ecology studies.</i></p> <p>3<sup>rd</sup> International Symposium on Ecological Genetics. <b>Katholiek University, Leuven, Belgium. 5<sup>th</sup> – 8<sup>th</sup> February, 2003.</b> Poster presented: <i>Phylogenetic status of haplochromine cichlids of Lake Kanyaboli, Kenya inferred from mtDNA studies.</i></p> <p>Lake Victoria 2000: A New Beginning International Conference. <b>Jinja, Uganda, 16<sup>th</sup> – 20<sup>th</sup> May, 2000.</b> Paper presented: <i>Community awareness and utilization of the Yala swamp wetland.</i></p> <p>International Conference on Science and Sustainable Development of Tropical Waters. <b>Naivasha, Kenya, 11<sup>th</sup> – 16<sup>th</sup> April 1999.</b> Paper presented: <i>Community awareness and Conservation needs of the Yala swamp wetland.</i></p> <p>2<sup>nd</sup> International Conference on Wetlands and Development. <b>Dakar, Senegal, 8<sup>th</sup> – 14<sup>th</sup> November, 1998.</b> Paper presented: <i>Utilization and economic valuation of the Yala swamp wetland, Kenya.</i></p> <p><b>SELECTED LOCAL/REGIONAL SCIENTIFIC CONFERENCES.</b></p> <p><b><i>The role of the Yala swamp lakes in conservation of Lake Victoria basin haplochromine cichlids: evidence from molecular genetic and trophic ecology studies.</i></b> Paper presented at the 2<sup>nd</sup> LVEMP National Conference, 17<sup>th</sup> – 19<sup>th</sup> October, 2005, Kisumu, Kenya.</p> <p><b><i>Conservation genetics of the endangered cichlid Xystichromis phytophagus (Greenwood, 1965) in Lake Kanyaboli, Kenya inferred from mtDNA and microsatellie markers.</i></b> Seminar paper presented at the Ecotools Scientific Workshop</p>
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		<p>on Yala Swamp, Western Kenya at Switel Hotel, Bondo. 9<sup>th</sup> – 10<sup>th</sup> December, 2003.  <b><i>Cichlid speciation mechanisms and the role of satellite lakes in conservation of cichlids in the Lake Victoria basin.</i></b> Seminar paper presented at the Institute of research and Postgraduate Studies (IRPS), Seminar series, Maseno University, Thursday, 28<sup>th</sup> June, 2001.</p>
<p>Prof. Francis Mburu</p>	<p>Forestry and Wood Sciences</p>	<p>Waswala, B. O., &amp; <b>Mburu, F.</b> (2022). Habitat Rehabilitation through community engagement and action.</p> <p>Joseph Atanga Ondieki, <b>Francis Mburu</b>, Joseph Hitimana (2021). Incidence of Pests and Diseases in Tree Nurseries and Plantations in Kimondi Forest, Nandi County, Kenya. East African Journal of Forestry and Agroforestry, 3(1), 18-28.</p> <p>Muisu F, Muthike G, <b>Mburu F</b>, Sirmah P, Mulongo L (2019). Properties of Potential Wood Carving Species in Kenya. Advances in Plants and Agriculture Research, 9(1):1–4.</p> <p>Bernard Tuei, Peter Njagi, <b>Francis Mburu</b>, Peter K Sirmah (2019). Repellence of Volatiles and Extracts of Solanecio manii to Subterranean Termites, Macrotermes Natalensis in Laboratory Test. East African Journal of Agriculture and Biotechnology, 4(1), 47-57</p> <p>Alice Karanja, <b>Francis Mburu</b>, Alexandros Gasparatos (2019): A multi-stakeholder perception analysis about adoption, impacts and priority areas in the Kenyan clean stove sector. Sustainability Science Journal, Doi.org/10.1007/s116-019-00742-4</p> <p>Cheruiyot Gilbert, Sirma Petr, Ngetich Wilson, Mengich Edward, <b>Mburu Francis</b> and Kimaiyo Sylvestus (2014): Effects of hydrogels on soil moisture and growth of Cajanus cajan in Semi-arid zone of Kongelai West Pokot County, Kenya. Journal of Forestry Science, Vol 4, No. 1, Doi 10.4236/ojf. 2014,41006.</p> <p>Kirui S.C., Oyaro N., Kiproa K., <b>Mburu F.G.</b>, Sirma P. K., Rono S.J. (2014): Effects of heartwood extractive of terminalia spinosa on wood degradation by fungi. Journal of applied chemistry, elixir Appl.chem. 67(2014)21710-21715</p>

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