PROF. DANIEL OLAGO

LIST OF PUBLICATIONS

## a) Refereed Journal Articles

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  | Githiora-Murimi, Y.W., Owuor, M.A., Abila, R., Olago, D. and Oriaso, S. (2022) Integrating stakeholder preferences into ecosystem services mapping in Yala wetland, Kenya. Ecosystems and People, Vol. 18 (1), 146–163 <https://doi.org/10.1080/26395916.2022.2039774>  | 11 Mar 2022 |
|  | Cohen, A.S., Campisano, C.J., Arrowsmith, J.R., Asrat, A., Beck, C.C., Behrensmeyer, A.K., Deino, A.L., Feibel, C.S., Foerster, V., Kingston, J.D., Lamb, H.F., Lowenstein, T.K., Lupien, R.L., Muiruri, V., Olago, D.O., Owen, R.B., Potts, R., Russell, J.M., Schaebitz, F., JStone, J.R., Trauth, M.H., Yost, C.L. (2022) Reconstructing the Environmental Context of Human Origins in Eastern Africa Through Scientific Drilling. Annual Review of Earth and Planetary Sciences, <https://doi.org/10.1146/annurev-earth-031920-081947>  | February 25, 2022 |
|  | Pierre-Denis Plisnier, Robert Kayanda, Sally MacIntyre, Kevin Obiero, William Okello, Anthony Vodacek, Christine Cocquyt, Hussein Abegaz, Alfred Achieng, Balagizi Akonkwa, Christian Albrecht, Charles Balagizi, James Barasa, Rafiki Abel Bashonga, Alexis Bashonga Bishobibiri, Harvey Bootsma, Alberto V. Borges, Geoffrey Chavula, Tallent Dadi, Els L.R. De Keyzer, Patrick J. Doran, Nestory Gabagambi, Robert Gatare, Andrew Gemmell, Abebe Getahun, Lloyd H. Haambiya, Scott N. Higgins, Béni L. Hyangya, Ken Irvine, Mwapu Isumbisho, Carlos Jonasse, Cyprian Katongo, Sergei Katsev, James Keyombe, Ismael Kimirei, Tchalondawa Kisekelwa, Mary Kishe, Simon Otoung A. Koding, Jeppe Kolding, Benjamin M. Kraemer, Peter Limbu, Evans Lomodei, Shigalla B. Mahongo, John Malala, Stella Mbabazi, Pascal M. Masilya, Matt McCandless, Modesta Medard, Zephaniah Migeni Ajode, Hillary D. Mrosso, Eric R. Mudakikwa, N'sibula Mulimbwa, Déo Mushagalusa, Fabrice A. Muvundja, Angela Nankabirwa, David Nahimana, Benjamin P. Ngatunga, Maxon Ngochera, Sharon Nicholson, Muderhwa Nshombo, Gaspard Ntakimazi, Chrispine Nyamweya, Joyce Ikwaput Nyeko, Daniel Olago, Tekle Olbamo, Catherine M. O'Reilly, Natacha Pasche, Harris Phiri, Nina Raasakka, Anham Salyani, Claver Sibomana, Greg M. Silsbe, Stephanie Smith, Robert W. Sterner, Wim Thiery, Janviere Tuyisenge, Martin Van der Knaap, Maarten Van Steenberge, Paul A.M. van Zwieten, Erik Verheyen, Mulugeta Wakjira, John Walakira, Oscar Ndeo Wembo, Theodore Lawrence.Need for harmonized long-term multi-lake monitoring of African Great Lakes. Journal of Great Lakes Research, <https://doi.org/10.1016/j.jglr.2022.01.016>  | 25 February 2022 |
|  | Syvitski, J., Ángel, J.R., Saito, Y., Overeem, I., Vörösmarty, C.J., Wang, H. & Olago, D. (2022) Earth’s sediment cycle during the Anthropocene. Nat Rev Earth Environ 3, 179–196 (2022). <https://doi.org/10.1038/s43017-021-00253-w>  | 01 February 2022 |
|  | Maingey, Y., Opondo, M., Olago, D., Ouma, G. (2022) The impacts of increasing water scarcity and the potential for water-related conflict in Lamu, Kenya. Water Supply (2022) 22 (2): 1983–1994. <https://doi.org/10.2166/ws.2021.299>  | 01 February 2022 |
|  | Campos, L.C., Olago, D., Osborn, D. (2022) Water and the UN sustainable development goals. UCL Open Eviron. Vol. 4. DOI: 10.14324/111.444/ucloe.000029  | 12 January 2022 |
|  | Triboan D., Obonyo, E., Ayesh, A., Yerima, S.Y., Basak, B., Wang’ombe, W., Olago, D., Olaka, L.A., Sznajder, K.K., Madivate, C. (2022) "A Transdisciplinary Framework for AI-driven Disaster Risk Reduction for Low-income Housing Communities in Kenya," 2021 IEEE International Conference on Systems, Man, and Cybernetics (SMC), 2021, pp. 188-193, <https://doi.org/10.1109/SMC52423.2021.9658957>  | 11 January 2022 |
|  | Ngure, M.W., Wandiga, S.O., Olago, D.O. and Oriaso, S.O. (2021) Climate change stressors affecting household food security among Kimandi-Wanyaga smallholder farmers in Murang’a County, Kenya. Open Agriculture 2021; 6: 587–608. <https://www.degruyter.com/document/doi/10.1515/opag-2021-0042/html>  | 27 Oct 2021 |
|  | Othoo, C., Dulo, S., & Olago, D. (2021). Flood-risk vulnerabilities of sanitation facilities in urban informal settlements: Lessons from Kisumu City, Kenya. East African Journal of Science, Technology and Innovation, 2(4). <https://doi.org/10.37425/eajsti.v2i4.371>  | Sep 25, 2021 |
|  | Kaoga, J., Olago, D., Ouma, George, Ouma, Gilbert, Onono, J. (2021) The evolving cultural values and their implications on the Maasai Pastoralists, Kajiado County, Kenya, Scientific African, Volume 13, 2021, e00881, <https://doi.org/10.1016/j.sciaf.2021.e00881>.  | Sep 2021 |
|  | Bett, G., **Olago, D**., Ichangi, D. and Rop B. (2021) Geochemical evaluation for the hydrocarbon potential of source rocks in the Anza Basin. International Journal of Geosciences, 2021, 12, 572-583. DOI: 10.4236/ijg.2021.126032  | 29 Jun 2021 |
|  | Garelick, S., Russell, J.M., Deeb, S., Verschuren, D. and **Olago, D.O.** (2021) Atmospheric controls on precipitation isotopes and hydroclimate in high-elevation regions in Eastern Africa since the Last Glacial Maximum. Earth and Planetary Science Letters 567, 116984. <https://doi.org/10.1016/j.epsl.2021.116984>  | 29 May 2021 |
|  | Njagi, D.M., Routh, J., **Olago, D.** and Gayantha, K. (2021) A multi-proxy reconstruction of the late Holocene climate evolution in the Kapsabet Swamp, Kenya (East Africa). Palaeogeography, Palaeoclimatology, Palaeoecology 574 (2021) 110475. <https://doi.org/10.1016/j.epsl.2021.116984> | 15 May 2021 |
|  | Nyumba TO, Sang CC, **Olago DO**, Marchant R, Waruingi L, et al. (2021) Assessing the ecological impacts of transportation infrastructure development: A reconnaissance study of the Standard Gauge Railway in Kenya. PLOS ONE 16(1): e0246248. <https://doi.org/10.1371/journal.pone.0246248> | 29 Jan 2021 |
|  | Mbaabu, P.R., **Olago, D.**, Gichaba, M., Eckert, S., Eschen, R., Oriaso, S., Choge, S.K., Linders, TEW., and Schaffner, U. (2020) Restoration of degraded grasslands, but not invasion by *Prosopis juliflora*, avoids trade-offs between climate change mitigation and other ecosystem services. Sci Rep 10, 20391 (2020). <https://doi.org/10.1038/s41598-020-77126-7>  | 24 Nov 2020 |
|  | Odada, E., **Olago, D.O.** and Olaka, L.A. (2020) An East African Perspective of the Anthropocene. Scientific African, 10: e00553, <https://doi.org/10.1016/j.sciaf.2020.e00553>.  | Online Oct 2020 |
|  | Yvonne M., Ouma G., Olago D., Opondo M. Trends in Climate Variables (Temperature and Rainfall) And Local Perceptions of Climate Change in Lamu, Kenya. GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY. 2020;13(3):102-109. <https://doi.org/10.24057/2071-9388-2020-24>  | 1 Oct 2020 |
|  | Sorensen, J.P.R., Carr, A.F., Nayebare, J., Diongue, D.M.L., Pouye, A., Roffo, R., Gwengweya, G., Ward, J.S.T., Kanoti,J., Okotto‑Okotto, J., van der Marel, L., Ciric, L., Faye, S.C., Gaye, C.B., Goodall, T., Kulabako, R., Lapworth, D.L., MacDonald, A.M., Monjerezi, M., **Olago, D.**, Owor, M., Read, D.S. and Taylor, R.G. (2020) Tryptophan-like and humic-like fluorophores are extracellular in groundwater: implications as real-time faecal indicators. Sci Rep 10, 15379. <https://doi.org/10.1038/s41598-020-72258-2>  | 22 Sep 2020 |
|  | Othoo, C.O., Dulo, S.O., Olago, D.O. and Ayah, R. (2020). Proximity Density Assessment and Characterization of Water and Sanitation Facilities in the Informal Settlements of Kisumu City: Implications for Public Health Planning.  Journal of UOEH, 42(3): 237-249. <https://doi.org/10.7888/juoeh.42.23>. Journal of the University of Occupational and Environmental Health, Japan. | 01 Sep 2020 |
|  | Tanui, F., **Olago, D.**, Dulo, S., Ouma, G. and Kuria, Z. (2020) Hydrogeochemistry of a strategic alluvial aquifer system in a semi-arid setting and its implications for potable urban water supply: The Lodwar Alluvial Aquifer System (LAAS).Groundwater for Sustainable Development. <https://doi.org/10.1016/j.gsd.2020.100451>. | 2 August 2020 |
|  | Owino, J.O., **Olago, D.**, Wandiga, S.O. and Ndambi, A. (2020) Constraints limiting the improvement of manure management as Climate Smart Technology for smallholder dairy farmers. African Journal of Agricultural Research, 16(8): 1155-1168. DOI: 10.5897/AJAR2020.15018  | August 2020 |
|  | Owino, J.O., **Olago, D.**, Wandiga, S.O. and Ndambi, A. (2020) A cluster analysis of variables essential for climate change adaptation of smallholder dairy farmers of Nandi County, Kenya. African Journal of Agricultural Research, Vol. 16(7), pp. 1007-1014, DOI: 10.5897/AJAR2020.14965 | July 2020 |
|  | Othoo, C.O., Dulo, S.O., Olago, D.O. and Ayah, R. (2020). Effect of shallow water table on the construction of pit latrines and shallow wells in the informal settlements of Kisumu City. Sanitation Value Chain. <https://doi.org/10.34416/svc.00020>  | Online 1 July 2020 |
|  | Omuombo, C., Williamson, D. and **Olago, D.** (2020) Biogeochemical proxy evidence of gradual and muted geolimnological response of Lake Nkunga, Mt. Kenya to climate changes and human influence during the past millennium. Scientific African, 8: e00416. <https://doi.org/10.1016/j.sciaf.2020.e00416>. | July 2020 |
|  | Maxwell, C.O., Dulo, S., **Olago, D.O.** and Odira, P.M.A. (2020) Water availability analysis of multiple source groundwater supply systems in water stressed urban centers: Case of Lodwar municipality, Kenya. J Civil Environ Eng 10: 339 doi:10.37421/jcde.2020.10.339  | 9 March 2020 |
|  | Obiero, K., Lawrence, T., Ives, J., Njayad, F., Smith, S., Mkumbo, O., Kayanda, R., Waidbacher, H., **Olago, D.**, Miriti, E. and Hecky, B. (2020) Advancing Africa’s Great Lakes Research and Academic Potential: A Call for Harmonized, Long-Term, Collaborative Networks and Partnerships. Journal of Great Lakes Research. <https://doi.org/10.1016/j.jglr.2020.02.002>  | Online 25 February 2020 |
|  | Alemu A., **Olago, D.**, Wandiga, S., Omondi, P., Oriaso, S. and Amwata, D.A. (2019). Smallholder farmers vulnerability level to climate change impacts and implications to agricultural production in Tigray Regional State, Northern Ethiopia. Journal of Agriculture and Crops, 5 (12): 237-250. <https://doi.org/10.32861/jac.512.237.250>  | December 2019 |
|  | Ferrer, N., Folch, A., Lane, M., Olago, D., Katuva, J., Thompson, P., Jou, S., Hope, R. and Custodio, E. (2019) How does water-reliant industry affect groundwater systems in coastal Kenya? Science of the Total Environment, 694 (2019) 133634. <https://doi.org/10.1016/j.scitotenv.2019.133634>  | 3 August 2019 |
|  | Schoorl, J.M., Veldkamp, A., Claessens, L., Wijbrans, J.R., Olago, D.O. and Lievens, C. (2019) Late Quaternary lahars and lava dams: Fluvial responses of the Upper Tana River (Kenya). Geomorphology 341: 28–45. https://doi.org/10.1016/j.geomorph.2019.05.007 | Online 31 May 2019 |
|  | Mbaabu, P.R., Ng, W-T., Schaffner, U., Gichaba, M., **Olago, D.**, Choge, S., Oriaso, S. and Eckert, S. (2019) Spatial evolution of *Prosopis* invasion and its effects on LULC and livelihoods in Baringo, Kenya. Remote Sens. 2019, 11, 1217; doi:10.3390/rs11101217. | 22 May 2019 |
|  | Kanoti, J.R., **Olago, D.**, Opiyo, N., Nyamai, C., Dindi, E. and Kuria, Z. (2019) Characterization of major ion chemistry and hydro-geochemical processes in Mt. Elgon trans-boundary aquifer and their impacts on public health. Journal of Environment and Earth Science, Vol.9, No.4: 38-45. DOI: 10.7176/JEES. | 30 April 2019 |
|  | Xu, Y., Seward, P., Gaye, C., Lin, L. and **Olago, D.O.** (2019) Preface: Groundwater in Sub-Saharan Africa. Hydrogeology Journal, <https://doi.org/10.1007/s10040-019-01977-2> | 27 Apr 2019 |
|  | Kanoti, J.R., **Olago, D.**, Opiyo, N., Nyamai, C., Dulo, S. and Ayah, R. (2019) Microbial and physical chemical indicators of groundwater contamination in Kenya: a case study of Kisumu aquifer system, Kenya. Journal of Water Resource & Protection, 11: 404-418. https://doi.org/10.4236/jwarp.2019.114024 | Online 26 Apr 2019 |
|  | Mnyika, G.M. and **Olago, D.O.** (2019) The potential for CO2 geosequestration in Kenya: a suitability assessment of the Lamu Basin. Africa Journal of Physical Sciences, Vol. 3: 28-38.<http://journals.uonbi.ac.ke/index.php/ajps/article/view/1798/1421> | Online 28 Feb 2019 |
|  | Ferrer, N., Folch, A., Lane, M., **Olago, D.**, Odida, J. and Custodio, E. (2019) Groundwater hydrodynamics of an Eastern Africa coastal aquifer during the recent La Niña 2016-17 drought. Science of the Total Environment 661: 575–597. https://doi.org/10.1016/j.scitotenv.2019.01.198. | Online 16 Jan 2019 |
|  | **Olago, D.O.** (2018) Constraints and solutions for groundwater development, supply and governance in urban areas in Kenya. Hydrogeology Journal, 27(3), 1031-1050. https://doi.org/10.1007/s10040-018-1895-y.  | Online 15 Dec 2018; Print 11 May 2019 |
|  | Mackinnon, E., Ayah, R., Taylor, R., Owor, M., Ssempebwa, J., **Olago, D.**, Kubalako, R., Tal Dia, A., Gaye, C., Campos, L.C. & Fottrell, E. (2018): 21st century research in urban WASH and health in sub-Saharan Africa: methods and outcomes in transition. International Journal of Environmental Health Research, https://doi.org/10.1080/09603123.2018.1550193 | Online 13 Dec 2018 |
|  | Gannon, K.E., Conway, D., Pardoe, J., Ndiyoi, M., Batisani, N., Odada E., **Olago, D.**, Opere, A., Kgosietsile, S., Nyambe, M., Omukuti, J. & Siderius, C. (2018) Business experience of floods and drought-related water and electricity supply disruption in three cities in sub-Saharan Africa during the 2015/2016 El Niño. Global Sustainability 1, e14, 1–15. https://doi.org/10.1017/sus.2018.14 | Online 6 Dec 2018  |
|  | Muhati, G.L., **Olago, D.** and Olaka, L. (2018) Past and projected rainfall and temperature trends in a sub-humid montane forest in northern Kenya based on the CMIP5 model ensemble. Global Ecology and Conservation. https://doi.org/10.1016/j.gecco.2018.e00469 | Online 1 Nov 2018 |
|  | Hirpa, F.A., Dyer, E., Hope, R., **Olago, D.O.** and Dadson, S.J. (2018) Finding sustainable water futures in data-sparse regions under climate change: Insights from the Turkwel River basin, Kenya. Journal of Hydrology: Regional Studies 19:124-135. https://doi.org/10.1016/j.ejrh.2018.08.005 | 15 Sep 2018 |
|  | Wetende, E., **Olago, D.** and Ogara, M. (2018) Perceptions of climate change variability and adaptation strategies on smallholder dairy farming systems: Insights from Siaya Sub-County of Western Kenya. Environmental Development 27: 14-25. https://doi.org/10.1016/j.envdev.2018.08.001 | 14 Sep 2018 |
|  | Muriithi, G.M, **Olago, D.O**, Ouma, G.O, Oriaso, S.O. (2018). Reliability of indigenous traditional knowledge and conventional weather forecasts in the face of climate change and variability in Baringo County, Kenya. International Journal of Recent Scientific Research, 9(7): 28136-28141. DOI: http://dx.doi.org/10.24327/ijrsr.2018.0907.2401 | July 2018 |
|  | Kaoga, J., Ouma, George, **Olago, D.** and Ouma, Gilbert (2018) The shrinking grazing fields of the Maasai land under the changing climate system in Kajiado County, Kenya. International Journal of Economics and Sustainable Development, 9(14):126-131.  | July 2018 |
|  | Amadi, J.A., **Olago, D.O.**, Ong’amo, G.O., Oriaso, S.O., Nayingi, M., Nyamongo, I.K. and Estambale, B.B.A. (2018) Sensitivity of vegetation to climate variability and its implications for malaria risk in Baringo, Kenya. PLoS ONE 13(7): e0199357. https://doi.org/10.1371/journal.pone.0199357. | 5 July 2018 |
|  | Kaoga, J., Ouma, George, **Olago, D.** and Ouma, Gilbert (2018) The evidence of changing rainfall patterns in Kajiado County, Kenya. International Journal of Innovative Research and Development, 7(6):223-228. DOI No.: 10.24940/ijird/2018/v7/i6/JUN18O83 | June 2018 |
|  | Amadi, J.A., Ong’amo, G.O., **Olago, D.O.**, Oriaso, S.O., Nyamongo, I.K. and Estambale, B.B.A. (2018) Mapping potential Anopheles gambiae s.l. larval distribution using remotely sensed climatic and environmental variables in Baringo, Kenya. Medical and Veterinary Entomology (2018), doi: 10.1111/mve.12312. | 21 Jun 2018 |
|  | Muhati, G.L., **Olago, D.** and Olaka, L. (2018) Participatory scenario development process in addressing potential impacts of anthropogenic activities on the ecosystem services of Mt. Marsabit Forest, Kenya. Global Ecology and Conservation. https://doi.org/10.1016/j.gecco.2018.e00402 | Jun 2018 |
|  | Amadi, J.A., **Olago, D.O.**, Ong’amo, G.O., Oriaso, S.O., Nyamongo, I.K. and Estambale, B.B.A. (2018) “We don’t want our clothes to smell smoke”: changing malaria control practices and opportunities for integrated community-based management in Baringo, Kenya. BMC Public Health (2018) 18:609. https://doi.org/10.1186/s12889-018-5513-7. | May 2018 |
|  | Muhati, G.L., **Olago, D.** and Olaka, L. (2018) Quantiﬁcation of carbon stocks in Mount Marsabit Forest Reserve, a sub-humid montane forest in northern Kenya under anthropogenic disturbance. Global Ecology and Conservation. https://doi.org/10.1016/j.gecco.2018.e00383. | 1 Mar 2018 |
|  | De Cort, G., Mees, F., Ryken, E., Christian, W., Creutz, M., Haug, G., **Olago, D**., Renaut, R. and Verschuren, D. (2018) Multi-basin depositional framework for high-resolution moisture-balance reconstruction at Lake Bogoria (Central Rift Valley, Kenya). Sedimentology. doi: 10.1111/sed.12442 | Feb 2018 |
|  | Muriithi, G., **Olago, D.**, Ouma, G., Oriaso, S. (2018). Long-term observed Precipitation Trends in Arid and Semi-arid Lands, Baringo County, Kenya. Journal of Agricultural Economics and Rural Development, 4(1): 326-334. | Jan 2018 |
|  | Marchant, R., Richer, S., Boles, O., Capitani, C., Courtney-Mustaphi, C.J., Lane, P., Prendergast, M.E., Stump, D., De Cort, G., Kaplan, J.O., Phelps, L., Kay, A., Olago, D., Petek, N., Platts, P.J., Punwong, P., Widgren, M., Wynne-Jones, S., Ferro-Vázquez, C., Benard, J., Boivin, N., Crowther, A., Cuní-Sanchez, A., Deere, N.J., Ekblom, A., Farmer, J., Finch, J., Fuller, D., Gaillard-Lemdahl, M-J., Gillson, L., Githumbi, E., Kabora, T., Kariuki, R., Kinyanjui, R., Kyazike, E., Lang, C., Lejju, J., Morrison, K.D., Muiruri, V., Mumbi, C., Muthoni, R., Muzuka, A., Ndiema, E., Nzabandora, C.K., Onjala, I., Schrijver, A.P., Rucina, R., Shoemaker, A., Thornton-Barnett, S., van der Plas, G., Watson, E.E., Williamson, D. and Wright, D. (2018) Drivers and trajectories of land cover change in East Africa: Human and environmental interactions from 6000 years ago to present, Earth-Science Reviews, 178: 322-378. ISSN 0012-8252,<https://doi.org/10.1016/j.earscirev.2017.12.010> | Jan 2018 |
|  | Siderius, C., Gannon, K.E., Ndiyoi, M., Opere, A., Batisani, N., **Olago, D.**, Pardoe, J. and Conway, D. (2017) Hydrological response and complex impact pathways of the 2015/2016 El Niño in Eastern and Southern Africa. Earth’s Future, 5. <https://doi.org/10.1002/2017EF000680>.  | Oct 2017 |
|  | Muriithi, G.M., **Olago D.O.**, Ouma, G.O. and Oriaso, S.O. (2017) Livestock response to long-term precipitation variability in the arid and semi-arid lands of Baringo County, Kenya. Livestock Research for Rural Development. Volume 29, Article #235. <http://www.lrrd.org/lrrd29/12/muri29235.html> | 2 Dec 2017 |
|  | Alemu A., **Olago, D.**, Wandiga, S., Omondi, P., Oriaso, S. (2017) Farmers adaptation choices to climate change impacts and implications on agricultural productions in Kolla Temben District, Tigray Regional State, Northern Ethiopia. International Journal of Environmental Science, Technology and Food Technology, 11(10): 39-45. | Oct 2017 |
|  | Ogallah, S.S., Wandiga, S., **Olago, D.** and Oriaso, S. (2017) Smallholder Farmers’ Adaptation Strategies to Climate Change in Southwest Nigeria, Egbeda Local Government Area, Oyo State. International Journal of Interdisciplinary Research and Innovations, 5(4): 14-19. | Oct 2017 |
|  | Ogallah, S.S., Wandiga, S., **Olago, D.** and Oriaso, S. (2017) Farmers’ Perceptions of Changes in Rainfall Pattern and Adaptation to Climate Change in Southwest Nigeria, Egbeda Local Government Area. International Journal of -Interdisciplinary Research and Innovations, 5(4): 7-13. | Oct 2017 |
|  | Ogallah, S.S., Wandiga, S., **Olago, D.** and Oriaso, S. (2017) Smallholder Farmers’ Perceptions on Temperature Trends and Adaptation Strategies to Climate Change in Egbeda District, Oyo State, Southwest Nigeria. International Journal of Interdisciplinary Research and Innovations, 5(4): 1-6. | Oct 2017 |
|  | Ogallah, S.S., Wandiga, S., **Olago, D.** and Oriaso, S. (2017) Impacts of Climate Variability and Climate Change on Agricultural Productivity of Smallholder Farmers in Southwest Nigeria. International Journal of Scientific & Engineering Research Volume 8 (10): 128-132. | Oct 2017 |
|  | Sier, M., Langereis, C., Dupont-Nivet, G., Feibel, C., Joordens, J., van der Lubbe, J., Beck, C., **Olago, D**., Cohen, A., WTK Science team members (2017) The top of the Olduvai Subchron in a high-resolution magnetostratigraphy from the West Turkana core WTK13, hominin sites and Paleolakes Drilling Project (HSPDP). Quaternary Geochronology, 42:117-129. | 26 Aug 2017 |
|  | Alemu A., **Olago, D**., Wandiga, S., Omondi, P., Oriaso, S. (2017) Temperature Change Trends and Perceptions in Kolla Temben District, Tigray Regional State, Northern Ethiopia. International Journal of Interdisciplinary Research and Innovations, 5(3):157-163.  | Jul 2017 |
|  | Alemu A., **Olago, D**., Wandiga, S., Omondi, P., Oriaso, S. (2017) Household’s adaptive capacity level to climate change impacts and food security in Northern Ethiopia, Kolla Temben District. International Journal of Interdisciplinary Research and Innovations, 5(3):9-13.  | Jul 2017 |
|  | Campisano, C.J., Cohen, A.S., Arrowsmith, J.R., Asrat, A., Behrensmeyer, A.K., Brown, E.T., Deino, A.L, Deocampo, D.M., Feibel, C.S., Kingston, J.D., Lamb, H.F., Lowenstein, T.K., Noren, A., **Olago**, **D.O.,** Owen, R.B., Pelletier, J.D., Potts, R., Reed, K.E., Renaut, R.W., Russell, J.M., Russell, J.L., Schäbitz, F., Stone, J.R., Trauth, M.H. and Wynn, J.G. (2017) The Hominin Sites and Paleolakes Drilling Project: High-Resolution Paleoclimate Records from the East African Rift System and Their Implications for Understanding the Environmental Context of Hominin Evolution. PaleoAnthropology, 2017:1-43. | 18 Apr 2017 |
|  | Loomis, S.E., Russell, J.M., Verschuren, D., Morrill, C., De Cort, G., Sinninghe-Damste, J.S., **Olago, D.**, Eggermont, H., Street-Perrott, F.A. and Kelly, M.A. (2017) The tropical lapse rate steepened during the Last Glacial Maximum. Sci. Adv. 2017;3: e1600815. | 27 Jan 2017 |
|  | Karuri, H.W., **Olago, D.**, Neilson, R., Njeri, E., Opere, A. and Ndegwa, P. (2016) Plant parasitic nematode assemblages associated with sweet potato in Kenya and their relationship with environmental variables. Trop. Plant Pathol. DOI 10.1007/s40858-016-0114-4. | Nov 2016 |
|  | Ochieng, A., Ondiba, I. M., Nanyingi, M., Kipruto, E., Amimo, F., Oludhe, C., **Olago, D.**, Nyamongo, I. K. and Estambale, B. A. (2016) Ecological Niche Modelling of Rift Valley Fever Virus Vectors in Baringo, Kenya. Infection Ecology & Epidemiology, Infection Ecology and Epidemiology 2016, 6: 32322 - http://dx.doi.org/10.3402/iee.v6.32322. | Nov. 2016 |
|  | Karuri, H.W., **Olago, D.**, Neilson, R., Mararo, E. and Villinger, J. (2016) A survey of root knot nematodes and resistance to *Meloidogyne incognita* in sweet potato varieties from Kenyan fields. Crop Protection, 92: 114-121. | 29 Oct 2016 |
|  | Cohen, A., Campisano, C., Arrowsmith, R., Asrat, A., Behrensmeyer, A.K., Deino, A., Feibel, C., Hill, A., Johnson, R., Kingston, J., Lamb, H., Lowenstein, T., Noren, A., **Olago, D.**, Owen, R.B., Potts, R., Reed, K., Renaut, R., Schäbitz, F., Tiercelin, J.-J., Trauth, M.H., Wynn, J., Ivory, S., Brady, K., O’Grady, R., Rodysill, J., Githiri, J., Russell, J., Foerster, V., Dommain, R., Rucina, S., Deocampo, D., Russell, J., Billingsley, A., Beck, C., Dorenbeck, G., Dullo, L., Feary, D., Garello, D., Gromig, R., Johnson, T., Junginger, A., Karanja, M., Kimburi, E., Mbuthia, A., McCartney, T., McNulty, E., Muiruri, V., Nambiro, E., Negash, E.W., Njagi, D., Wilson, J.N., Rabideaux, N., Raub, T., Sier, M.J., Smith, P., Urban, J., Warren, M., Yadeta, M., Yost, C. and Zinaye, B. (2016) The Hominin Sites and Paleolakes Drilling Project: Inferring the environmental context of human evolution from eastern African rift lake deposits. Scientific Drilling, 21: 1-16. | 21 Jan 2016 |
|  | Olaka, L.A., Wilke, F.D.H., **Olago, D.O.**, Odada, E.O., Mulch, A. and Musolff, A. (2016) Groundwater fluoride enrichment in an active rift setting: Central Kenya Rift case study. Science of the Total Environment (STOTEN), 545-546: 641-653. | 8 Jan 2016 |
|  | Omemo, P., **Olago, D.**, Ogara, W. and Wandiga, S. (2015) Rapid Appraisal of Climate Change Impact on Household’s and Juvenile Diet in the Lake Victoria Basin, Kenya. International Journal of Interdisciplinary Research and Innovations, 3 (2): 45-48. | May 2015 |
|  | **Olago, D.O.** (2014) The morphology and genesis of cold-phase diamicts in high altitude lake sediments of Mount Kenya, Kenya. Africa Journal of Physical Sciences, 1: 10-17. | June 2014 |
|  | Verschuren, D., **Olago, D.O.**, Rucina, S.M., Odhengo, P.O., on behalf of the ICDP DeepCHALLA Consortium (2013) DeepCHALLA: Two Glacial Cycles of Climate and Ecosystem Dynamics from Equatorial East Africa. Scientific Drilling, 15: 72-76. | Mar 2013 |
|  | Garcin, Y., Melnick, D., **Olago, D.**, Strecker, R. and Tiercelin, J-J. (2012) East African mid-Holocene wet-dry transition recorded in palaeo-shorelines of Lake Turkana, northern Kenya Rift. Earth and Planetary Science Letters. Doi 10.1016/j.epsl.2012.03.016 (Mar 2012). Earth and Planetary Science Letters 331-332: 322–334.  | May 2012 |
|  | Melnick, D., Garcin, Y., Quinteros, J., Strecker, R., **Olago, D.O.** and Tiercelin, J-J. (2012) Steady rifting in northern Kenya inferred from deformed Holocene lake shorelines of the Suguta and Turkana basins. Earth and Planetary Science Letters. Doi:10.1016/j.epsl.2012.03.007 (Mar 2012). Earth and Planetary Science Letters 331–332: 335–346. | May 2012 |
|  | Trauth, M.H., Maslin, M.A., Deino, A., Junginger, A., Odada, E., **Olago, D.**, Olaka, L. and Strecker, M.R. (2010) Human evolution in a variable environment: the amplifier lakes of East Africa. Quaternary Science Reviews, 29: 2981-2988. | Dec 2010 |
|  | Olaka, L.A., Odada, E. O., Trauth, M.H. and **Olago, D.O.** (2010) The sensitivity of East African rift lakes to climate fluctuations. Journal of Paleolimnology, 44: 629-644. DOI 10.1007/s10933-010-9442-4. | Apr 2010 |
|  | Ochola, S.O., Eitel, B. and **Olago, D.O.** (2010) Vulnerability of schools to floods in Nyando River catchment, Kenya. Disasters, 34(3): 732–754. | Jul 2010 |
|  | Wandiga, S.O., Opondo, M., **Olago, D.O**., Githeko, A., Githui, F., Marshall, M., Downs, T., Opere, A., Yanda, P.Z., Kangalawe, R., Kabumbuli, R., Kathuri, J., Apindi, E., Olaka, L., Ogallo, L., Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. Achola, P. (2010) Vulnerability to epidemic malaria in the highlands of Lake Victoria basin: the role of climate change/variability, hydrology, health and socio-economic factors. Journal of Climatic Change, 99:473-497. DOI 10.1007/s10584-009-9670-7. | Jan 2010 |
|  | **Olago, D.O.**, Opere, A. and Barongo, J. (2009) Holocene palaeohydrology, groundwater and climate change in the lake basins of the Central Kenya Rift. Hydrological Sciences Journal, 54(4): 765-780. | Aug 2009 |
|  | Garcin, Y., Juninger, A., Melnick, D., **Olago, D.O.,** Strecker, M.R., Trauth, M.H. (2009) Late Pleistocene-Holocene rise and collapse of Lake Suguta, northern Kenya Rift. Quaternary Science Reviews, 28 (9-10): 911-925. | May 2009 |
|  | Bennett, M.R., Harris, J.W.K., Richmond, B.G., Braun, D.R., Mbua, E., Kiura, P., **Olago, D.**, Kibunjia, M., Atieno, C., Behrensmeyer, A.K., Huddart, D. and Gonzalez, S. (2009) Early hominin foot morphology based on 1.5 million year-old footprints from Illeret, Kenya. Science, 323: 1197-1201. DOI: 10.1126/Science.1168132 | 27 Feb 2009 |
|  | Verschuren, D., Sinninghe Damsté, J.S., Moernaut, J., Kristen, I., Blaauw, M., Fagot, M., Haug, G.H., van Geel, B., De Batist, M., Barker, P., Vuille, M., Conley, D.J., Olago, D.O., Milne, I., Plessen, B., Eggermont, H., Wolff, C., Hurrell, E., Ossebaar, J., Lyaruu, A., van der Plicht, J., Cumming, B.F., Brauer, A., Rucina, S.M., Russell, J.M., Keppens, E., Hus, J., Bradley, R.S., Leng, M., Mingram, J. & Nowaczyk, N.R. (2009) Half-precessional dynamics of monsoon rainfall near the East African Equator. Nature 462, 637-641. | 3 Dec 2009 |
|  | Cohen, A., Arrowsmith, R., Behrensmeyer, A.K., Campisano, C., Feibel, C., Fisseha, S., Johnson, R., Z., Bedaso, Z.K., Lockwood, C., Mbua, E., Olago, D., Potts, R., Reed, K., Renaut, R., Tiercelin, J.-J. and Umer, M. (2009) Understanding Paleoclimate and Human Evolution Through the Hominin Sites and Paleolakes Drilling Project. Scientific Drilling, No. 8, September 2009. doi:10.2204/iodp.sd.8.10.2009. | Sep 2009 |
|  | Odada, E.O., Ochola, W.O. and **Olago, D.O.** (2009) Drivers of ecosystem change and their impacts on human well-being in Lake Victoria basin. African Journal of Ecology, 47(1): 46-54. | Feb 2009 |
|  | Odada, E.O., Ochola, W.O. and **Olago, D.O.** (2009) Understanding future ecosystem changes in Lake Victoria basin using participatory local scenarios. African Journal of Ecology, 47(1): 147-153. | Feb 2009 |
|  | Veldkamp, A., Buis, E., Wijbrans, J.R., **Olago, D.O**., Boshoven, E.H., Marée, M., van den Berg van Saparoea, R.M (2007). Late Cenozoic fluvial dynamics of the Tana river, Kenya, an uplift dominated record. Quaternary Science Reviews 26: 2897-2912. | Nov 2007 |
|  | Street-Perrott, F.A., Barker, P., Eglinton, G., Ficken, K., Wooller, M.J., Swain, D.L., Huang, **Olago, D.O.** and Huang, Y. (2007) Late Quaternary changes in carbon cycling on Mount Kenya, East Africa: a landscape-ecological perspective based on lake-sediment influxes. Quaternary Science Reviews, 26: 1838-1860. | Aug 2007 |
|  | **Olago, D.O.,** Marshall, M., Wandiga, S.O., Opondo, M., Yanda, P., Kangalawe, R., Githeko, A., Downs, T., Opere, A., Kabumbuli, R., Kirumira, E., Ogallo, L., Mugambi, P., Apindi, E., Githui, F., Kathuri, J., Olaka, L., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2007) Climatic, socio-economic and health factors affecting human vulnerability to cholera in the Lake Victoria Basin, East Africa. Ambio, 36(4): 350-358. | Jun 2007 |
|  | **Olago, D.O.** and Odada, E.O. (2007) Sediment impacts in Africa’s transboundary lake/river basins: case study of the East African Great Lakes. Aquatic Ecosystem Health and Management, 10(1):23-32. | Mar 2007 |
|  | Odada, E.O. and **Olago, D.O.** (2006) Challenges of an ecosystem approach to water monitoring and management of the African Great Lakes. Journal of Aquatic Ecosystem Health and Management, 9(4):433-446. | Dec 2006 |
|  | Odada, E.O., **Olago, D.O.**, Kulindwa, K., Ntiba, M. and Wandiga, S. (2004). Mitigation of environmental problems in Lake Victoria, East Africa: Causal chain and policy option analyses. Ambio, 33 (1-2): 13-23.  | Feb 2004 |
|  | **Olago, D.O.**, Street-Perrott, F.A., Perrott, R.A., and Odada, E.O. (2003).Late Holocene sedimentology and palaeoenvironment of Kiluli Swamp, Mount Kenya, Kenya. African Journal of Science and Technology, Science and Engineering Series 4 (2): 12-23.  | Dec 2003 |
|  | Odada, E.O., **Olago, D.O.,** Bugenyi, F., Kulindwa, K., Karimumuryango, J., West, K., Ntiba, M., Wandiga, S., Aloo-Obudho, P. and Achola, P. (2003). Environmental Assessment of the East African Rift Valley Lakes. Aquatic Sciences, 65: 245-271.  | Sep 2003 |
|  | Ogege, J.I.O., Odada, E.O. and **Olago, D.O**. (2002). Geological controls on groundwater geochemistry in Butula area, Busia District, Kenya. African Journal of Science and Technology, 3 (2): 24-33.  | Dec 2002 |
|  | **Olago, D.O.** (2001). Vegetation changes over palaeo-time scales in Africa. Journal of Climatic Research, 17 (2): 105-121.  | Aug 2001 |
|  | **Olago, D.O.**, Street-Perrott, F.A., Perrott, R.A., Ivanovich, M., and Harkness, D.D. (2001). U/Th and 14C isotope dating of lake sediments from Sacred Lake and Lake Nkunga, Kenya. African Journal of Science and Technology, 2 (1): 36-46.  | Jun 2001 |
|  | **Olago, D.O.** and Odada, E.O. (2000). An interbasinal comparison of the sedimentology of late Holocene sediments in the rift valley Lake Turkana, Kenya. Journal of African Earth Sciences, 31 (2): 237-252.  | Sep 2000 |
|  | Opiyo-Akech, N., **Olago, D.O.**, Dindi, E.W., Ndege, M.M. and Njue, F. (2000). Investigation of the impact of salt and sand harvesting activities on the Timboni Wellfield, Gongoni, Malindi District, Kenya. Environmental Geology, 40 (1/2): 99-110.  | Jan 2000 |
|  | **Olago, D.O.**, Odada, E.O., Street-Perrott, F.A., Perrott, R.A., Ivanovich, M., and Harkness, D.D. (2000). Long-term temporal characteristics of palaeomonsoon dynamics in equatorial Africa. Global and Planetary Change, 26 (1-3): 159-171.  | Jan 2000 |
|  | **Olago, D.O.**, Street-Perrott, F.A., Perrott, R.A., Ivanovich, M. and Harkness, D.D. (2000). Late Quaternary primary tephras in Sacred Lake sediments, north-east Mount Kenya, Kenya. Journal of African Earth Sciences, 30 (4): 957-969.  | Jan 2000 |
|  | **Olago, D.O.**, Street-Perrott, F.A., Perrott, R.A., Harkness, D.D., Ivanovich, M. and Parkes, A. (1999). Late Quaternary glacial-interglacial cycle of climatic and environmental change on Mount Kenya, Kenya. Journal of African Earth Sciences, 29 (3): 593-618.  | Jun 1999 |
|  | Ficken, K.J., Street-Perrott, F.A., Perrott, R.A., Swain, D.L, **Olago, D.O.** and Eglinton, G. (1998). Glacial/interglacial variations in carbon cycling revealed by molecular and isotope stratigraphy of Lake Nkunga, Mt. Kenya, East Africa. Organic Geochemistry, 29 (5-7), pp. 1701-1719.  | Oct 1998 |
|  | Street-Perrott, F.A, Huang, Y., Perrott, R.A., Eglinton, G., Barker, P., Khelifa, L., Harkness, D.D. and **Olago, D.O.** (1997). Impact of lower atmospheric carbon dioxide on tropical mountain ecosystems. Science, 278: 1422-1426.  | Nov 1997 |

## b) Peer Reviewed Book Chapters

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  |  |  |
|  | **Olago, D.O.**, Raini, J., Omuombo, C., Ogonda, G., Muli, J., Okello, C., Memo, W. and Ong’ang’a, O. (2021) Lentic-Lotic Water System Response to Anthropogenic and Climatic Factors in Kenya and their Sustainable Management. In: S. Diop, P. Scheren, I. Niang (Eds), *Climate Change and Water Resources in Africa*. Springer. | Feb 2021 |
|  | Githumbi, E., Marchant, R. and **Olago, D.** (2019) Using the past to constrain a sustainable future: case study insights from East Africa. In: Ramutsindela, M. and Mickler, D. (Eds) Africa and the Sustainable Development Goals. World Universities Network. https://doi.org/10.1007/978-3-030-14857-7\_18.  | Sep 2019 |
|  | **Olago, D.O.** (2017) Water and biodiversity in the Congo River Basin: Management problems and solutions, pp. 149-167. In: H. Vaux (Ed) *Managing Water and Biodiversity in Humid Areas*. Proceedings of the 9th Rosenburg International Forum on Water Policy. Publ. by Rosenburg International Forum on Water Policy, Division of Agriculture and Natural Resources, University of California, Oakland, California, USA. 224 p.  | 2017 |
|  | **Olago, D.O.** (2016) The transboundary aquifers of Kenya: their characteristics, status, management, and legislative, socio-economic and political contexts for their wise and sustainable use – case study of the Kilimanjaro Aquifer. In: Jean Fried and Jacques Ganoulis (Editors) *Transboundary Groundwater Resources - Sustainable Management and Conflict Resolution*. UNESCO. Lambert Academic Publishing. | 2016 |
|  | Woldegabriel, G., **Olago, D.,** Dindi, E. and Owor, M. (2016) Genesis of the East African Rift System. In: Schagerl, M. (Ed.) *Soda Lakes of East Africa.* Springer International Publishing Switzerland, pp.25-59. | Sep 2016 |
|  | **Olago, D.O.** (2013) Quaternary Evolution. In: P. Paron, D. Olago & C. T. Omuto (Eds), Kenya: A Natural Outlook - Geoenvironmental Resources and Hazards. Publ. by Elsevier B.V., Amsterdam, The Netherlands. pp.31-38.  | Oct 2013 |
|  | Akech, N.O., Masibo, M. & **Olago, D.** (2013) Mineral, Oil and Gas Resources. In: P. Paron, D. Olago & C. T. Omuto (Eds), Kenya: A Natural Outlook - Geoenvironmental Resources and Hazards. Publ. by Elsevier B.V., Amsterdam, The Netherlands. pp.11-22. | Oct 2013 |
|  | Omuombo, C.A., **Olago, D.O.** and Odada, E.O. (2013) Coastal Waters. In: P. Paron, D. Olago & C. T. Omuto (Eds), Kenya: A Natural Outlook - Geoenvironmental Resources and Hazards. Publ. by Elsevier B.V., Amsterdam, The Netherlands. pp.109-114. | Oct 2013 |
|  | Omuombo, C.A., **Olago, D.O.** and Odada, E.O. (2013) Coastal Erosion. In: P. Paron, D. Olago & C. T. Omuto (Eds), Kenya: A Natural Outlook - Geoenvironmental Resources and Hazards. Publ. by Elsevier B.V., Amsterdam, The Netherlands. pp.331-340. | Oct 2013 |
|  | Opere, A., **Olago, D.O.**, Chidumayo, E. and Osman-Elasha, B. (2011) Climate change processes and impacts. In: Chidumayo, E., Okali, D., Kowero, G. and Larwanou, M. (eds.), Climate Change and African Forests and Wildlife Resources, pp.18-33. African Forest Forum, Nairobi, Kenya. Printed in Gävle, Sweden. ISBN 978-92-9059-296-9. | Nov 2011 |
|  | Ogondo, J.A., **Olago, D.O.** and Odada, E.O. (2010) Paleoclimate of Ondiri Swamp, Kikuyu-Kenya, from ca.1350 to 1810 AD. (2010) In: African Palaeoenvironments and Geomorphic Landscape Evolution (J. Runge, ed.) – International Yearbook of Landscape Evolution and Palaeoenvironments. CRC Press, Boca Raton, Paleoecology of Africa, 30: 189-198.  | Dec 2010 |
|  | Wandiga, S.O., Opondo, M., **Olago, D.O.,** Githeko, A., Githui, F., Marshall, M., Downs, T., Opere, A., Yanda, P., Kangalawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, A., Olaka, L., Ogallo, L., Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P. (2007) Vulnerability to Climate Induced Highland Malaria in East Africa. In: Leary, N., Adejuwon, J., Barros, V., Burton, I., Kulkarni, J. and Lasco, R. (Eds.) *Climate Change and Vulnerability.* Earthscan, London. ISBN 978-1-84407-469-3. | Dec 2007 |
|  | Yanda, P., Wandiga, S., Kangalawe, R., Opondo, M., **Olago, D.**, Githeko, A., Downs, T., Kabumbuli, R., Opere, A., Githui, F., Kathuri, J., Olaka, L., Apindi, E., Marshall, M., Ogallo, L., Mugambi, P., Kirumira, E., Nanyunja, R., Baguma, T., Sigalla, R. and Achola, P. (2007). Climate, malaria and cholera in the Lake Victoria region: Adapting to changing risks. In: Leary, N., Adejuwon, J., Barros, V., Burton, I., Kulkarni, J. and Lasco, R. (Eds.) *Climate Change and Adaptation.* Earthscan, London. ISBN 978-1-84407-470-9. | Dec 2007 |
|  | **Olago D.O.,** Umer, M., Ringrose, S., Huntsman-Mapila, P., Sow, E.H. and Damnati, B. (2007) Palaeoclimate of Africa: An overview since the last glacial maximum. Otter, L., Olago, D.O., and Niang, I. (Eds.) (2007). Global Change Processes and Impacts in Africa: A Synthesis. East African Educational Publishers Ltd., Nairobi.  | Oct 2007 |
|  | Jansen, E., Overpeck, J., Briffa, K.R., Duplessy, J-C., Joos, F., Masson-Delmotte, V., **Olago, D.**, Otto-Bliesner, B., Peltier, W.R., Rahmstorf, S., Ramesh, R., Raynaud, D., Rind, D., Solomina, O., Villalba, R. and Zhang, D., 2007. Palaeoclimate. In: Climate Change 2007; The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., Qin, D., Manning, M., Chen, Z., Marquis, M., Averyt, K.B., Tignor, M. and Miller, H.L. (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.  | Sep 2007 |
|  | Odada, E.O. and **Olago, D.O**. (2005). Holocene Climatic, Hydrological and Environmental Oscillations in the Tropics with Special Reference to Africa. In: Pak Sum Low (Ed.) Climate Change and Africa. Cambridge University Press, Cambridge.  | Jan 2005 |
|  | **Olago, D.O**. and Odada, E.O. (2004). Palaeo-research in Africa: relevance to sustainable environmental management and significance for the future. In: R. Battarbee, F. Gasse and C. Stickley (Eds.) Past Climate Variability through Europe and Africa. Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 551-565. | Sep 2004 |
|  | Opiyo-Akech, N., **Olago, D.O.**, Dindi, E.W. and Ndege, M.M. (2002). Human impact on groundwater quality along the Kenyan coast: A case study on an unconfined aquifer to the north of the coastal town of Malindi, Kilifi District, Kenya. In: R.S. Arthurton, H.H. Kremer, E. Odada, W. Salomons and J.I. Marshall Crossland (eds.) African Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interactions and Human Dimensions. LOICZ Reports and Studies No. 25, pp. 181-193. | Jun 2002 |
|  | **Olago D.O.** and Akech, N.O. (2001). Pollution Assessment in Nairobi River Basin. In: P.F. Okoth and P. Otieno (eds.), Pollution Assessment Report of the Nairobi River Basin, pp. 9-20. Africa Water Network/UNEP/Habitat. | Nov 2001 |
|  | **Contributing Author**, (2001). Chapter 10: Africa. Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Working Group II. | 2001 |
|  | **Olago, D. O.** and Odada, E.O. (1996). Some aspects of the physical and chemical dynamics of the North Basin, Lake Turkana, Northwest Kenya. In: T.C. Johnson and E.O. Odada (eds.), The Limnology, Climatology and Palaeoclimatology of the East African Lakes pp. 413-431, Gordon and Breach Publishers, Amsterdam. | Jun 1996 |

## c) Books

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  |  |  |
|  | Xu, Y., Seward, P., Gaye, C., Lin, L. and Olago, D.O. (2019) Groundwater in Sub-Saharan Africa. Hydrogeology Journal, Vol. 27(3). | May 2019 |
|  | P. Paron, **D. Olago** & C. T. Omuto (Eds) (2013) Kenya: A Natural Outlook - Geoenvironmental Resources and Hazards. Developments in Earth Surface Processes, 16. Series Editor - J.F. Schroder Jr., Publ. by Elsevier B.V., Amsterdam, The Netherlands. 374pp. ISBN: 978-0-444-59559-1; ISSN: 0928-2025. | Oct 2013 |
|  | **Olago, D.O.** Environmental Geology. College of Education and External Studies, University of Nairobi, 2003. Published by University of Nairobi. | 2008 |
|  | Otter, L., **Olago, D.O.**, and Niang, I. (Eds.) (2007). Global Change Processes and Impacts in Africa: A Synthesis. East African Educational Publishers Ltd., Nairobi. | Oct 2007 |
|  | Odada, E.O., **Olago, D.O.,** Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. 11th World Lakes Conference Nairobi, Kenya, 31 October to 4th November 2005, Proceedings Volume I: Socioeconomic Aspects of Lakes and Lake Management. Ministry of Water and Irrigation, Kenya and International Lake Environment Committee (ILEC), Japan.  | Jul 2006 |
|  | Odada, E.O., **Olago, D.O.,** Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. 11th World Lakes Conference Nairobi, Kenya, 31 October to 4th November 2005, Proceedings Volume II: Biophysical Aspects of Lakes and their Basins. Ministry of Water and Irrigation, Kenya and International Lake Environment Committee (ILEC), Japan.  | Jul 2006 |
|  | Odada, E.O., **Olago, D.O.** and Ochola, W. (Eds.) (2006). An Ecosystems Assessment of Lake Victoria Basin. UNEP/PASS.  | Jun 2006 |
|  | UNEP, 2006. Lake Victoria Basin Environment Outlook: Environment and Development. UNEP, Nairobi.  | Jun 2006 |
|  | Odada, E.O., **Olago, D.O.,** Kulindwa, K.A.A., Bugenyi, F., West, K., Ntiba, M., Wandiga, S. and Karimumuryango, J. (2003, First Edition). East African Rift Valley Lakes: GIWA Regional Assessment 47. UNEP-GIWA. | Jun 2006 |
|  | **Olago, D.O.** and Odada, E.O. (Guest Editors). Linking African Palaeoenvironments and Modern Environments: PAGES Workshop. Quaternary International, Volume 148, Elsevier Publishers. | May 2006 |
|  | **Olago D.O.** Introduction to Palaeontology. College of Education and External Studies, University of Nairobi. Published by University of Nairobi. | 2003 |
|  | Odada, E.O. and **Olago, D.O.** (Eds.) (2002). The East African Great Lakes: Limnology, Palaeolimnology and Biodiversity. Advances in Global Change Research, Volume 12. Kluwer Academic Publishers, 586 p.  | Jul 2002 |

## d) Refereed Proceedings

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  |  |  |
|  | Odhiambo, M., Routh, J., **Olago, D.,** Val Klump, J., Stager, J.C., Njagi, D. and Kylin, H. (2017) Biomass combustion and input of black carbon and nutrients impact primary productivity in Lake Victoria. 28th International Meeting on Organic Geochemistry, 17 – 22 September 2017, Florence, Italy. | Sept 2017 |
|  | **Olago, D.O.** (2010)The Transboundary Aquifers of Kenya: Their Characteristics, Status, Management, and Legislative, Socio-economic and Political Contexts for their Wise and Sustainable Use – Case Study of the Kilimanjaro Aquifer. A text of the UNESCO-ISARM Second Pilot Course "Integrated Transboundary Groundwater Management- tools and methods" Paris 9-10 December 2010, UNESCO. | Dec 2010 |
|  | **Olago, D.O**., 2008. Interactions between urban agriculture and fluvial systems in Nairobi Rivers Basin. In: G. Alabaster, J.H.P. Kahindi, N.K. Karanja and H.O. Kwach (eds.) Urban Waste Management – Proceedings of a Workshop: Enhancement of Productivity and Sustainability of Urban/Peri-Urban Agriculture (UPA) through Efficient Management of Urban Waste. UN-Habitat, University of Nairobi, Kenya Agricultural Research Institute (KARI). ISBN No.92-1-131629-4. Conference Proceedings, 1-3 October 2001, pp. 69-79. | 2008 |
|  | Yanda, P., Wandiga, S., Kangalawe, R., Opondo, M., **Olago, D.**, Githeko, A., Downs, T., Kabumbuli, R., Opere, A., Githui, F., Kathuri, J., Olaka, L., Apindi, E., Marshall, M., Ogallo, L., Mugambi, P., Kirumira, E., Nanyunja, R., Baguma, T., Sigalla, R. and Achola, P. (2006). Adaptation to climate change / variability-induced highland malaria and cholera in the Lake Victoria region. AIACC Working Paper No.43. An electronic publication of the AIACC project available at [www.aiaccproject.org](http://www.aiaccproject.org)  | Oct 2006 |
|  | Wandiga, S.O., Opondo, M., **Olago, D**., Githeko, A., Githui, F., Marshall, M., Downs, T., Opere, A., Yanda, Z., Kangalawe, R., Kabumbuli, R., Kirumira, E., Kathuri, J., Apindi, E., Olaka, L.,Ogallo, L., Mugambi, P., Sigalla, R., Nanyunja, R., Baguma, T. and Achola, P., 2006. Vulnerability to Climate-Induced Highland Malaria in East Africa. AIACC Working Paper No. 25. An electronic publication of the AIACC project available at [www.aiaccproject.org](http://www.aiaccproject.org). 47 pp. | 2006 |
|  | **Olago, D.O.** and Odada, E.O. (2000). Physico-chemical processes in the saline-alkaline lakes of Kenya. In: J.S. Ogola and H-J. Behr (eds.) Proceedings of the Workshop on Saline Alkaline Lakes of Eastern and Southern Africa, pp.47-52. DAAD/UNESCO. | 2000 |

## e) Position/Discussion/Policy Papers

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  | Campos LC, **Olago D**, Osborn D. Water and the UN sustainable development goals. *UCL Open: Environment*.2021;(3):08. Available from: <https://doi.org/10.14324/111.444/ucloe.000029>  | Jan 2022 |
|  | Ong’ech, D., Olago, D., Dulo, S., Opondo, M., Ouma, G., Mumma, A., Hope, R. and Charles, K. (2021) COVID-19 Impacts on Water Burden among Households in Turkana. Kenya Policy Briefs, 2(1): 57-58. <https://uonresearch.org/journal/kpb>  | Jan 2021 |
|  | Estambale, B., Nyamongo, I., Olago, D., Oyieke, F., Bukachi, S., Ongamo, G., Nanyingi, M. and Mutua, E. (2017) Rift Valley Fever in Kenya: Enhancing responses and community resilience to RVF in Kenya.<http://vbd-environment.org/tdr-idrc/assets/documents/Project_B_Papers_and_Resources/Project_B_Team_Estambale_RVF_in_Kenya.pdf>  | Mar 2017 |
|  | Estambale, B., Nyamongo, I., Olago, D., Oyieke, F., Bukachi, S., Ongamo, G., Nanyingi, M. and Mutua, E. (2017) Malaria in Kenya: Strengthening actionstowards a malaria-free Kenya.<http://vbd-environment.org/tdr-idrc/assets/documents/Project_B_Papers_and_Resources/Project_B_Team_Estambale_Malaria_in_Kenya.pdf>  | Mar 2017 |
|  | ACCESS/IUCN (2014). An Overview of Climate Change and Adaptation in Tropical Mountain Ecosystems. Prepared by African Collaborative Centre for Earth System Science (ACCESS). Authors: **Daniel O. Olago**, Eric O. Odada, Washington Ochola and Lydia Olaka, iii+11p. | July 2014 |
|  | IUCN/ACCESS (2014). Using science to inform climate change adaptation actions on Mt. Elgon, Kenya and Uganda. Funded by USAID. 4 pg brochure. | July 2014 |
|  | ACCESS/IUCN (2014) Geospatial analyses for implementing a resilience framework for climate change adaptation in the Mt. Elgon region of the Lake Victoria basin. Prepared by African Collaborative Centre for Earth System Science (ACCESS). Authors: Thomas J. Ballatore and Lydia Olaka. Edited by Eric O. Odada and **Daniel Olago**, iv+22pp. | July 2014 |
|  | **Olago, D.,** Gaye, C., Chaibi, T., Diop, S., Mahjoub, O., Nowbuth, M., Fritz, P., Facknath, S. and Kfir, R. (2014). The Grand Challenge of Water Security in Africa: Recommendations to Policymakers. Network of African Science Academies (NASAC). | Jun 2014 |
|  | **Olago, D.O**. (2010). Anthropogenic and natural threats to groundwater resources in the Central Kenya Rift arising from climate change and geology. Proceedings of the Ministry of Water and Irrigation National Consultative Workshop on Research in the Water Sector, 5th May 2010, Utalii Hotel, Nairobi, Kenya. | May 2010 |
|  | **Olago, D. O.** and Odada, E.O. (2001). Palaeoecology of Eastern Africa Mountains. PAGES News, Vol. 9 No. 3, pp. 19-21. | Dec 2001 |

## f) Book Reviews

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  |  |  |
|  | *More people, Less Erosion - Environmental Recovery in Kenya,* by M. Tiffen *et al.,* 1994. In: Progress in Physical Geography, **20** (**2**): 251-252. | 1996 |
|  | *Global Geological Record of Lake Basins*, edited by K. Kelts and E. Gierlowski-Kordesch, l994. In: Progress in Physical Geography, **20** (**3**): 363-364 | 1996 |

## g) Technical Reports

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Date** |
|  |  |  |
|  | Omumbo, J., Opondo, M. and Olago, D. (2019) REACH: Improving Water Security for the Poor in Turkana County, Kenya. In: Manual – Co-production in African Weather and Climate Services, produced by the WISER Project, pp128-131. Paper: <https://futureclimateafrica.org/coproduction-manual/book/text/case-study-18.html#reach-improving-water-security-for-the-poor-in-turkana-county-kenya> Manual: <https://futureclimateafrica.org/coproduction-manual/index.html>  | 29 Oct 2019 |
|  | DCP Kenya (2019). Development Corridors in Kenya - A Scoping Study. A Country Report of the Development Corridors Partnership (DCP). Contributing authors: **Daniel Olago**, Lucy Waruingi, Tobias Nyumba, Catherine Sang, Yvonne Githiora, Mary Mwangi, George Owira, Francis Kago, Sherlyne Omangi, Jacob Olonde and Rosemary Barasa. Institute for Climate Change and Adaptation (ICCA) the University of Nairobi and African Conservation Centre (ACC), Nairobi, Kenya. e-Published by UNEP-WCMC, Cambridge, UK. <https://developmentcorridors.org/wp-content/uploads/2019/02/Development-Corridors-in-Kenya_Scoping-Report-2019.pdf>  | 4 Feb 2019 |
|  | *Organizational Capacity Assessment of the National Drought Management Authority (NDMA) Report.* This organizational capacity assessment took place between November 2016 and June 2017 and involved a review of NDMA’s mandate, its organizational structure, and its capacity to fulfill core duties. Assessed: mission and vision, technical services, policy planning and research, coordination of EDE, corporate support service, internal audit. Deliverables were:* *NDMA and related EDE structures’ organizational capacity (individual, organizational and institutional) to perform the role of supporting the EDE implementation in line with devolution and the changing resilience programming landscape*
* *The Authority’s organizational, technical and functional capacity needs and gaps for performing its mandate and strategy implementation.*
* *Opportunities for NDMA and related EDE structures for effective and efficient delivery for support for EDE implementation.*
* *A capacity development plan for the NDMA and related EDE structures with a detailed roadmap/action plan for strategic institutional strengthening.*
 | June 2017 |
|  | *Baseline Survey for the Project: “Operationalising Green Economy Transition in Africa”: The Status of Green Economy in Nakuru and Mombasa Counties-Kenya.* Report prepared for UNEP/GIZ by ICCA, University of Nairobi Team. Authors: Shem Wandiga, Simeon Dulo, Daniel Olago, William Ogara, Christopher Oludhe, George Outa, Gilbert Ouma, Maggie Opondo, Eunice Boruru, James Kaoga, Jacob Olonde, John Jaoko, Dorcas Ndanu, Peninah Mwenda, Fredrick Atieno, Gideon Muriithi and Mary Otieno. | Jul 2016 |
|  | *Preparation of National Policy on Groundwater Resources Management.* Report prepared for Ministry of Water and Irrigation, Kenya | Jun 2013 |
|  | *A survey on the status of the water sector in Eastern and Central Africa.* Report prepared for Network of African Science Academies (NASAC) |  Feb 2013 |
|  | *Planning, development and implementation of access to climate change research and training opportunities, capacity-building, knowledge management, networking and dissemination activities of the RUFORUM climate change strategies*. Report prepared for Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Kampala, Uganda | Oct 2012 |
|  | *Geophysical Evaluation of Leachate Leaking Points from Njoro Sewage Treatment Plant (STP), Nakuru Municipality, Kenya*. Report prepared for International Lake Environment Committee (ILEC), Japan. | Dec 2011 |
|  | *Vulnerability Assessment of Freshwater Ecosystems to Climate Change in East Africa*. Report prepared for WWF-EARPO. | Oct 2008 |
|  | Economic Study on the Central and Provincial Water Testing Laboratories Under the Ministry of Water and Irrigation (Rural Focus Ltd/Water Resources Management Authority). | Jul 2006 |
|  | *Disaster Risk Reduction Strategy for Kenya, 2006-2016*. UNES Consulting for Government of Kenya. | 2006 |
|  | *Report on Global Change and the New Partnership for African Development (NEPAD)*. Report prepared for NEPAD. | Nov 2005 |
|  | *Climate Change Impacts in the East African Rift Valley Lakes*. Prepared for WWF Eastern Africa Regional Programme Office (WWF-EARPO). | Mar 2004 |
|  | Contributions to: *African Climate Report: A report commissioned by the UK Government to review African climate science, policy and options for action*. (for Dr. Richard Washington, University of Oxford, UK; DfID-DEFRA, UK) | Nov 2004 |
|  | *Sand harvesting activities, sand and water resources along the Toroka River, Kajiado District, Kenya*. Report prepared for Elangata Wuas Ecosystem Management Project (EWEMP) (with Dr. P. Okoth and Prof. N. Opiyo-Akech). | Sep 2002 |
|  | Nairobi Rivers Water Assessment Study, Nairobi, Kenya. (Africa Water Network (AWN), UNEP, HABITAT) (with Dr. N. Opiyo-Akech and Dr. P. Okoth) | 2000 |
|  | *Investigations on the Impact of Salt and Sand Harvesting Activities on Timboni Wellfield, Gongoni, Malindi District*. Report prepared for: Ministry of Land Reclamation and Water Development; Kenya Freedom From Hunger Committee; Mombasa Salt Works; Gongoni Sand Harvesters; Timboni Wellfield Owners and Users. (with Dr. N. Opiyo-Akech, Dr. E.W. Dindi [both of University of Nairobi] and Mr. F.Njue [Ministry of Land Reclamation and Water Development]). | Jan 1998 |
|  | Several Environmental Assessments (EAs), Environmental Impact and Social Assessments (ESIAs) and Strategic Environmental Assessments (SIAs) for various industries and sectors. | 1996-date |