

CURRICULUM VITAE

1. PERSONAL DETAILS

Name: Daniel Ochieng Olago

Title: Dr.

Date of Birth: 3rd November 1965

Nationality: Kenyan

Marital Status: Married

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Languages: English (Spoken – excellent; Written – excellent; Reading – excellent);
Swahili (Spoken – excellent; Written – excellent; Reading – excellent);
French (Spoken – fair; Written – fair; Reading – good);
Luo (Spoken – excellent; Written – excellent; Reading – excellent);

Professional Registration: Geologists Registration Board, Reg. No. 92, 2002; *National Environment Management Authority, Lead Expert, Reg. No. 0085.*

Golden Statement:

To build capacity, research on and provide world class services in earth sciences and global environmental change, be an influential proponent of sustainable environmental practices in local, regional and international contexts, helping to build capacity, provide and to mainstream innovative scientific, technological, managerial and policy solutions for sustainable development in, and adaptation to, our changing earth.

2. EDUCATION

University Education:

<u>Date Graduated</u>	<u>Duration, Degree, Subject, Place</u>
1996	4 year, D.Phil., Physical Geography, University of Oxford, UK
1992	2 year, M.Sc., Geology, University of Nairobi, Kenya
1989	3 year, B.Sc., Geology/Physics, University of Nairobi, Kenya

Schools Attended:

1979-1984: Lenana High School, Ordinary Level (Division 1) and Advanced Level (3 Principals) Certificates of Education

1972-1978: Kilimani Primary School, Nairobi, Certificate of Primary Education (Grade A)

3. KEY QUALIFICATIONS AND COMPETENCIES

<ul style="list-style-type: none"> • Specialisation 	<p>Environmental Geology</p>
<ul style="list-style-type: none"> • Teaching and Research 	<p>Teaching (University level: BSc., MSc., PhD candidates) and research in the following areas for 22 years:</p> <ol style="list-style-type: none"> 1. Environmental Geology 2. Quaternary palaeoclimatology and palaeoenvironments 3. Geolimnology, Sedimentology and Geochemistry 4. Palaeontology and Palynology 5. Surface- and ground-water chemistry and dynamics 6. Human impact on the environment, global change processes, vulnerability and adaptation to climate change: past, present and future 7. Supervised eighteen Master of Science and two Ph.D. students 8. Supervised a considerable number of undergraduate student projects 9. Published 56 papers/books and 10 significant technical reports 10. Resource person in a number of short-courses for professionals and postgraduate students
<ul style="list-style-type: none"> • Special Skills and Competencies 	<ul style="list-style-type: none"> • Proposal writing, report writing, editing and publishing; • Data collection, collation, analysis and reporting; • Strategic (geo-environmental) assessments and reviews including on climate, water, environmental change and vulnerability/adaptation issues in Africa; • Planning and organizing of workshops, conferences, meetings, training activities, and activity scheduling; • Research project planning, coordination, monitoring and evaluation; • Multi-stakeholder interactions and client relationships, e.g. with decision/policy makers and grassroots stakeholders in geo-environmental and climate change issues on the basis of research projects undertaken; • Capacity building in global environmental change research, networking and partnership-building between scientists and decision-makers • Budgeting and advocacy; • IT competent; • Familiar with the policies, laws and regulations that directly or indirectly relate to environmental, water and natural resources and sustainability issues • Evidence-based (geo-environmental) management and policy

	<p>options and briefs for decision makers.</p> <ul style="list-style-type: none"> • Mentorship • Team work: worked often with multidisciplinary teams comprising of both natural and socio-economic scientists, as well as with decision/policy makers, private, public, non-governmental and inter-governmental organizations.
<ul style="list-style-type: none"> • Leadership Roles 	<ul style="list-style-type: none"> • Chairman, Geological Society of Kenya, March 2007 – March 2011 (two consecutive terms) • Vice-Chairman, Geological Society of Kenya, 2006-2007 • Member, Executive Committee of the Geological Society of Kenya • Member of Oxford University Clubs Committee, 1991 to 1993. • Member, Worcester College Middle Common Room (MCR) Committee, 1991 to 1992. • Worcester College Representative to Oxford University Graduate Union, 1991 to 1992. • Chairman, Kenya Youth For Christ Missions Support Committee, 1988 to 1990. • Chairman, Nairobi University Geology Students Association (NUGSA), 1988 to 1989. • Member, Editorial Board of NUGSA Magazine, 1989. • Chairman, Organization of Nairobi University Science Students, 1988. • Elected Chairman, Nyerere Hall, University of Nairobi, Nov. 1987. • Vice-Captain, Nairobi University swimming team, 1987. • National Youth Service, May 1986 to August 1986.

4. PROFESSIONAL POSITIONS, RESPONSIBILITIES, AND ACHIEVEMENTS

1) 2003 to Present: Senior Lecturer, Department of Geology, University of Nairobi, Kenya

- Teaching and Supervision of undergraduate and postgraduate students (14 MSc., 2 PhD completed)
- Research, including multi-disciplinary team projects (19 papers in refereed journals; 8 refereed book chapters; 9 books; 4 papers in refereed proceedings)
- Member of Faculty Postgraduate Studies Committee (FPSC) from 2003 to 2006; and now School of Physical Sciences Postgraduate Studies Committee (SPS-PSC) since 2006
- Class Tutor for postgraduate students, 2003 to date
- Performance appraisal ranking – “Outstanding” from 2008 to date
- Lead role in successful proposal for establishment of the Institute of Climate Change and Adaptation (Est. Nov. 2011) at the University of Nairobi, funded partly by Open Society Foundation (formerly Open Society Institute)

2) 1995 to 2003: Lecturer, Department of Geology, University of Nairobi, Kenya

- Teaching and Supervision of undergraduate and postgraduate students (4 MSc. completed)
- Research, including multi-disciplinary team projects
- Representative of the Dean of Faculty of Science in the Law of the Sea (LOS) Committee, September 1998-2000.
- Examinations and Student Registration Officer for Geology
- Secretary, Faculty of Science Income Generation Unit, Research and Training Section, March 1999-2001.
- Coordinator, Common Undergraduate Courses, Course CCS 005, Environmental Science, September 1998-1999.
- Chairman, Common Undergraduate Courses Syllabus Review Committee, Faculty of Science, 1999-2000.
- Member, Faculty Time-tabling Committee, October 2001- April 2003.

3) 1997 to 2006: Programme Officer, Pan African START Secretariat, Nairobi, Kenya

- Regional planning and coordination of research programmes
- Formulating, executing and administrating capacity building programmes
- Promoting regional cooperation in global change research by developing regional and national communities of scientists
- Developing links between regional science agendas and policy concerns
- Assist the Director in overseeing Fellowship Programmes and Research grants
- Assisting development of regional data and information systems
- Preparing integrated regional assessments for policy-making bodies and the public
- Production of Newsletters, Progress Reports and Annual Reports
- Monitoring and evaluation of programmes and activities
- Fundraising through proposal writing, budgeting, and office management

4) 2007 to 2011: Chairman, Geological Society of Kenya

- Overall management of the affairs of the Society
- Fundraising and budgetary oversight
- Advocacy and public education
- Promotion of the members welfare through engagement with Government, Public and Private Sectors
- Organisation of Geological Society of Kenya Conferences
- Advice to Government and private sector actors

- Development of Strategic Plan (2007-2011)
- Initiated process for the publication of the Journal of the Geological Society of Kenya
- Activated Fellowship Programme for the Geological Society of Kenya
- Activated Corporate Membership class resulting in greatly increased funds for the Society

5) 2006 to 2007: Vice Chairman, Geological Society of Kenya

6) Short-Term Contracts

- Research Assistant, Department of Geology, University of Nairobi, July to September 1988.
- Assistant (volunteer), The British Geothermal Project in Kenya, March, 1989 (vacation job).
- Research Assistant, Dept. of Geology, University of Nairobi, July 1988 to September, 1988 (vacation job).
- Marketing Assistant, Kodak (K) Company, July 1987 to August 1987 (vacation job).
- Electronics Trainee Technician, Kenya Railways Corporation, January 1985 to May 1986.

**5. PROFESSIONAL AND ACADEMIC LEADERSHIP/MANAGEMENT:
NATIONAL AND INTERNATIONAL**

National:

- 1) Chairman, Geological Society of Kenya (GSK), March 2007 to March 2011.
- 2) Vice-Chairman, Geological Society of Kenya (GSK), 2006 to 2007; member since 1997.
- 3) Chairman, Network of African Science Academies (NASAC) Water Programme Steering Committee, 2010 to date.
- 4) Co-organiser, Resource Person and/or Facilitator roles at several national meetings
- 5) Member, Rhodes Scholarship Selection Committee for Kenya, 1996 to 2000.
- 6) Board Member, Dago Kokore Secondary School, 2010-

International

- 1) Member, International Lake Environment Committee (ILEC), 2007 to date
- 2) Member, Climate Variability (WCRP) – Variability in African Climate System (CLIVAR-VACS) Panel, June 2003 to 2009.
- 3) Intergovernmental Panel on Climate Change (IPCC) – Expert Scientist: Contributing Author in the 3rd Assessment Report and Lead Author in the 4th Assessment Report (2007)
- 4) International Scientific Steering Committee Member, International Geosphere-Biosphere Programme - Past Global Changes Programme (IGBP-PAGES SSC), 2000-2005.
- 5) Editorial Board Member of the following International Journals:

- (i) Palaeoecology of Africa, 2007 to date
- (ii) The Holocene, 2005 to date
- (iii) Quaternary International, 2004 to date

6) Paper Reviews for the following Journals:

- (i) International: Palaeoecology of Africa, The Holocene, Quaternary International, Palaeoecology Palaeoclimatology Palaeogeography (Palaeo3), Lakes and Reservoirs – Research and Management; Journal of African Earth Sciences (JAES), Hydrogeology Journal, Journal of Hydrology, Hydrological Sciences Journal, African Journal of Science and Technology (AJST), International Journal of Biological and Chemical Sciences, Hydrology and Earth System Sciences (HESS), International Journal of Biometeorology; **Journal of Maps, Sustainability Science.**
- (ii) National: Kenya Journal of Sciences.

7) Invited Keynote Presentations at Major International Colloquia:

- (i) Climate Change and Adaptation: Mainstreaming Climate Change Adaptation into Development Policies in East Africa (WWF_EARPO, ACTS and ATPS), 14-16 October 2008, Silver Springs Hotel, Nairobi, Kenya. *Paper presented: Vulnerability Assessment of Freshwater Ecosystems to Climate Change in East Africa.*
- (ii) International Conference on Groundwater and Climate in Africa, 24-28 June 2008, Hotel Speke Munyonyo, Kampala, Uganda. *Paper presented: Holocene palaeohydrology, groundwater and climate change in the Lake Basins of the Central Kenya Rift.*
- (iii) International Geosphere-Biosphere Programme (IGBP) Congress, 05 - 09 May 2008, Cape Town International Convention Centre, Cape Town, South Africa. *Paper presented: Africa: Palaeo-perspectives on water and land cover with emphasis on eastern Africa.*
- (iv) IPCC Working Group II Africa Regional Expert Meeting: Third Assessment Report (TAR) “Climate Change: Impacts, Adaptation and Vulnerability”, Rabat, Morocco, 2 to 6 August 1999. *Paper presented: Vegetation changes over palaeo time scales in Africa*

8) Experience in Conference Organisation, Facilitation and Reporting

- (i) Integrated Lake Nakuru Basin Management Workshop, Merica Hotel, Nakuru, 13th to 14th December, 2011. **Member of the ILEC Organising Committee.**
- (ii) Workshop on the Development of Integrated Lake Basin Management (ILBM) Platform. Imperial Hotel, Kisumu, 7th December 2011. **Member of the ILEC Organising Committee.**
- (iii) NASAC-KNAW Conference and 5th TWAS-ROSSA Young Scientists Conference. 23rd to 27th February 2011, Hilton Hotel, Nairobi. **Hon. Secretary of the Organising Committee.**
- (iv) Integrated Lake Basin Management (ILBM) and Sanitation Challenges in the Kisumu-Winam Bay Region and in Lake Victoria, 14th February 2011, Imperial Hotel, Kisumu, Kenya. **Member of the ILEC Organising Committee and Rapporteur General.**
- (v) Kenya Groundwater Governance Case Study Stakeholder Workshop, 2nd September 2010, Utalii Hotel, Nairobi, Kenya. Organised by Ministry of Water

- and Irrigation, Kenya, Water Resources Management Authority, Kenya, and World Bank. **Facilitator and Workshop Report Writing**
- (vi) Parliamentary Committees Sensitization Workshop on Climate Change, 8-9th October 2009, Mombasa Continental Hotel, Mombasa, Kenya. **Resource Person.**
 - (vii) Pre-AMCEN African Climate Change Scientists Meeting, 21-22 May 2009, ICRAF, Nairobi. Consultative Meeting. **Resource Person.**
 - (viii) National Launch of IYPE and 12th Geological Society of Kenya Conference, 17-19 March 2009, PanAfric Hotel, Nairobi. **Member of Organising Committee, Editor of Workshop Report.**
 - (ix) The 11th World Lakes Conference, 31st October to 4th November 2005, Nairobi, Kenya. Organised by ILEC and Ministry of Water and Irrigation, Kenya. **Member of Organising Committee; In Charge of Scientific Programme and Production of the Two Proceedings Volumes.**
 - (x) Remote Sensing and GIS Training Workshop. Held at Regional Centre for Mapping of Resources for Development, Nairobi, Kenya, 22nd October to 5th November 2004. Sponsored by START. **Co-organiser.**
 - (xi) Ecosystem Outlook for the Lake Victoria Basin Workshop, 2-4th September, 2004. Pan African START Secretariat (PASS). Sponsored by PASS/UNEP. **Co-organiser.**
 - (xii) National Workshop on Science and Technology Park Development for Sustainable Industrial Growth. Holiday Inn, Nairobi, Kenya, June 30th 2004. Organised by Kenya National Academy of Sciences. **Rapporteur and Workshop Report Writing.**
 - (xiii) International Young Scientists Global Change Conference, Trieste, Italy, November 17-19, 2003. **Co-organiser.**
 - (xiv) The East African Lakes - IDEAL Project. The African Pollen Database (APD) and SEARCH Workshop. Nairobi, Kenya, 22-26 October 2001. **Co-organiser.**
 - (xv) IDEAL Second International Symposium, Club Makokola, Malawi, 10th to 13th January, 2000. **Co-organiser.**
 - (xvi) Freshwater Resources in Africa Workshop, held at UNEP Headquarters, Nairobi, Kenya, 26-29 October 1999. **Local Organising Committee.**
 - (xvii) The Environmental Background to Hominid Evolution in Africa: Quaternary and Holocene sedimentary records in Central Africa and their palaeoenvironmental interpretation. Session P10 Workshop, INQUA XV International Congress, Durban, South Africa, 3rd to 11th August 1999. **Session Organiser.**
 - (xviii) Saline-Alkaline Lakes in Eastern and Southern Africa Workshop. Nairobi, Kenya, 24th to 27th September, 2000. Funded by German Exchange Programme (DAAD) and UNESCO. **Co-organiser.** *Paper presented: Physico-chemical processes in the saline alkaline lakes of Kenya.*
 - (xix) GIS/Remote Sensing in Spatial Modelling and Environmental Training Workshop. Maputo, Mozambique, 13th to 18th July, 2000. Funded by PASS/START/Miombo Network. **Co-organiser.**
 - (xx) IGBP SAC V Meeting held at UNEP Headquarters, Nairobi, Kenya, 1-7 September, 1998. **Local Organising Committee.**

6. MEMBERSHIP IN LEARNED SOCIETIES

- 1) Geological Society of Kenya, 1997 to date
- 2) Kenya National Academy of Sciences, 2005 to date

7. RESEARCH GRANTS AND PROJECT ROLES

a) Ongoing

- 1) January 2012 to January 2013. TECLEA – Testing Biodiversity Responses to Climate and Land-use Changes Across East African Highlands. In collaboration with: Prof. David Williamson (Project Leader - Institute de Recherche pour le Developpement, Universite Paris VI, Paris, France and ICRAF, Nairobi, Kenya); Team Leaders – (1) Prof. Joel Guiot (Team Leader, Universite Paul Cezanne, France), (2) Arnaud Huguet (Universite Pierre et Marie Curie, France); (3) Roland Kindt (ICRAF, Kenya); (4) Daniel Olago (University of Nairobi, Kenya), (5) Amos Majule (University of Dar es Salaam, Tanzania), (6) Stephen Rucina (National Museums of Kenya, Kenya). Funded by the Fondation pour la Recherche sur la Biodiversite, Paris, France. Funding : EUR300,000 for the Pre-Project.
 - *Role: Team Leader; Environmental Geology; Environmental Policies; Climate and Land-use; Subsurface Geobiochemical Proxies.*
- 2) December 2010 to December 2014. Building Climate Change Adaptation Capacity at African Universities: A Proposal to Establish The Climate Adaptation Research Institute (CARI) at the University of Nairobi. In collaboration with Prof. Shem Wandiga, Dr. Gilbert Ouma, Dr. Maggie Opondo, Prof. Joash Aluoch, and Prof. Madara Ogot. Funded by the Open Science Institute (OSI). Funding: US\$7,024,398 (OSI – US\$3,172,398; UoN in-kind – US\$3,852,000).
 - *Role: Lead proposal writer; Natural/Basic Sciences Coordinator.*
- 3) 2007-2011. Suguta Valley Project – Palaeoclimatology and Palaeolimnology of the Suguta Valley, Kenya. In collaboration with Prof. Dr. Martin Trauth, University of Potsdam, Germany. Funded by University of Potsdam, EUR210,000.
 - *Role: Principal Investigator and Local Logistics*
- 4) 2006-2010. MAWARI PROJECT - Sustainable Management of Water Resource in the East African Rift System: Vulnerability of Groundwater to Pollution in the East African Rift System in Kenya. Department of Geology, University of Nairobi. Funded by CIFEG, France. Funding: EUR300,000.
 - *Role: Principal Investigator and Student Research Mentorship (4 MSc. students supervised)*
- 5) 2006-2010. Integrating Vulnerability and Adaptation to Climate Change into Sustainable Development Policy Planning and Implementation in Eastern and Southern Africa: KENYA Pilot Project Design: Increasing Community Resilience to Drought in Makueni District. In collaboration with Centre for Science, Technology and Innovation (CSTI), and Arid Lands Resource Management Project (ALRMP – GoK). Funded by UNEP-GEF. Funding: US\$300,000.
 - *Role: Principal Investigator (Water resources assessment: construction of sand dams, shallow wells, drip irrigation systems; national policy options analysis and advocacy – lobbied successfully for integration of climate change in National Disaster Policy)*

b) Completed

- 1) 2007-2008. *Strengthening Community-Based Adaptation to Climate-Sensitive Malaria in Kakamega and Kericho Districts, Western Kenya Highlands*. In collaboration with Centre for Science, Technology and Innovations (CSTI). Funded by ACCCA (Advancing Capacity to Support Climate Change Adaptation). Funding: US\$70,000.
 - *Role: Principal Investigator (Hydrology and land cover assessment)*
- 2) 2002-2005. *An assessment of vulnerability and adaptation to climate variability and climate change impacts on malaria and health in the Lake Victoria region in East Africa* (coordinated by Kenya National Academy of Science: with consortium of scientists from Kenya, Tanzania, Uganda). Funded by AIACC Project, Washington DC, USA. Funding: US\$285,000.
 - *Role: Principal Investigator (Linkages between Hydrology, Climate and Health)*
- 3) 2003-2004. Global International Waters Assessment (GIWA-UNEP) - *The East African Rift Valley Lakes sub-region no. 47* (with consortium of scientists from Kenya, Ethiopia, Malawi, Tanzania, Uganda, South Africa). Funding: US\$30,000; GIWA-UNEP.
 - *Role: Co-Coordinator of the Assessment and Compilation of the Assessment Report*
- 4) 1990-2000. *Palaeoenvironments and carbon cycling on the East African mountains during the late Quaternary period*. In collaboration with Prof. F.A. Street-Perrott, Department of Geography, University of Wales, Swansea, UK). Funded by UK-NERC.
 - *Role: Principal Investigator (Palaeoclimate from sediment geochemical and mineral magnetic proxies)*

8. SCHOLARSHIP AND MERITORIOUS AWARDS

- 1) Contributed to the Award of Nobel Peace Prize for 2007 to the Intergovernmental Panel on Climate Change (IPCC) as Lead Author in Working Group 1: Climate Change 2007: The Physical Science Basis. Presented a Certificate of Recognition (2007) by the Intergovernmental Panel on Climate Change.
- 2) 1998 International START Young Scientist Award for the research paper (in press at the time): Olago, D.O. *et al.* (2000). Long-term temporal characteristics of palaeomonsoon dynamics in equatorial Africa. *Global and Planetary Change* Vol. 26 /1-3: 159-171.
- 3) RHODES Scholar for Kenya, 1990, University of Oxford, UK.
- 4) DAAD Scholar, University of Nairobi, 1989 to 1990.

9. TRAINING ATTENDED

- 1) Training on Procurement Rules and Regulations, 14 October 2011, College of Biological and Physical Sciences, University of Nairobi, Kenya. Funded by University of Nairobi.
- 2) Transformative Leadership and Results Based Management, 25-26 October 2007, Taifa Hall, University of Nairobi, Nairobi, Kenya. Funded by University of Nairobi.
- 3) Training on Pedagogical Skills, 1-3 October 2007, University of Nairobi, Nairobi, Kenya. Funded by University of Nairobi.

- 4) Training Workshop in Integrated Environmental Assessment and Reporting, 24-28th May 2004, Nairobi, Kenya. Funded by UNEP-DEWA.
- 5) Development and Application of Scenarios in Impacts, Adaptation and Vulnerability Assessments. AIACC Intensive Training Course, University of East Anglia, Norwich, UK, 15-26th April 2002. Funded by UNEP, TWAS and START (Awarded Certificate of Attendance).
- 6) Regional Training Workshop on GIS Applications for Management of Earth Resources Data and Information, University of Nairobi, Kenya, 1-7 February 1999. Funded by START/University of Nairobi/UNESCO (Awarded Certificate of Attendance).
- 7) African-GAIM Modelling Workshop, March 3 to 12, 1997, Mombasa, Kenya. Funded by IGBP-GAIM (Awarded Certificate of Attendance).

10. STUDENT SUPERVISION

1. PH.D

	NAME	INSTITUTION & Co-Supervisors	TITLE	STATUS
1.	Christine Omuombo (2011)	University of Nairobi, Kenya Prof. David Williamson, University of Pierre Marie Curie, France	Subsurface geo-biochemical proxies of climate change and land use patterns along a climate gradient from the Kenya highlands	Ongoing
2.	Muia, George (2011)	University of Rennes, France Prof. Jean Jacques-Tiercelin, University of Rennes, France	Paleogene-Miocene fluvio-lacustrine environments in the Central Kenya Rift: Interpretation in terms of volcano-tectonic evolution and climate change. Source rocks and reservoir rocks characteristics: Consequences on hydrocarbon potential	Ongoing
3.	Olaka, Lydia Atieno	Potsdam University, Germany Prof. Dr. Martin Trauth, University of Potsdam, Germany	Hydrology across scales: Sensitivity of East African Lakes to Climate Changes	Completed, August 2011
4.	Ochola, Samuel O. (2005)	University of Heidelberg, Germany Prof. Dr. Bernhard Eitel, University of Heidelberg, Germany	Integrated flood hazard, vulnerability and risk assessment in Nyando River catchment, Kenya: Options for land use planning	Completed, Jan 2009, Magna cum Laude

2. M.SC

	NAME	INSTITUTION	DEGREE PROGRAM	TITLE	STATUS
1.	Muraguri, Philip Mbitiru (2008)	Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya	Master of Science in Environmental Legislation and Management	Study of groundwater quality in Nairobi, Kenya	Ongoing
2.	Okech, Emilly, A. (2007)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Anthropogenic influence on surface and groundwater quality in Lake Nakuru basin, Kenya	Completed (July 2012)
3.	Suwai, Janet, J. (2007)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Assessment of vulnerability of groundwater to pollution in the Lake Nakuru Basin (Kenya) using the PI method	Completed (July 2012)
4.	Wamalwa, Ruth (2010)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Potential vulnerability of water resources to pollution from coal mining in Mui Basin, Kenya	Completed (July 2011)
5.	Kangogo, Deflorah Jerobon (2009)	Department of Geology, University of Nairobi, Kenya	Master of Science in Geophysics	Subsurface structures and characterisation of the Silali geothermal system, Kenya Rift, using magnetotelluric and transient electromagnetics mapping	Completed (July 2011)
6.	Adede, David O. (2007)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Potential effects of changes in climate, land cover and population on the quantity of water resources in Lake Nakuru basin, Kenya	Completed (June 2011)
7.	Omuombo, Christine Atieno (2009)	University of Algarve, Portugal	Erasmus Mundus European Joint Master in Water and Coastal Management	A system approach framework to the management of Lake Bogoria, Kenya	Completed (April 2010) With distinction
8.	Ongwae, M. Samoka	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Groundwater recharge of confined aquifers in the Upper Ewaso Ng'iro North River Basin, Kenya	Completed (July 2010)
9.	Kanda, Isaack Kiprono (2007)	Department of Geology, University of Nairobi, Kenya	Master of Science in Applied Geochemistry	Aquifer stratigraphy and hydrogeochemistry of the Nakuru Basin, Central Kenya Rift, Kenya	Completed (May 2010)
10.	Ogondo, Julian A. (2005)	Department of Geology, University of Nairobi, Kenya	Master of Science in Palynology and Micropalaeontology	Palaeoclimate of Ondiri Swamp, Kikuyu, Kenya	Completed (2008)

11.	Alamirew, D. (2005)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Hydrogeology of the Nakuru-Elementeita-Naivasha watershed (Kenya Rift)	Completed (2007)
12.	Owuor, George, G. (2004)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Assessment of sub-surface hydrocarbon contamination resulting from fuel storage depots, Shimanzi area, Mombasa, Kenya	Completed (June 2011)
13.	Ogalo, J.A. (2004)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Use of depth to watertable, soil and topography in modelling vulnerability of groundwater to pollution in Nakuru-Elementeita-Naivasha watershed, Kenya Rift	Completed (2007)
14.	Okoo, Joyce A. (2004)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Concentration levels and pattern of fluoride distribution in groundwater from Kendu Bay area, Kenya	Completed (2007)
15.	Kemboi, Ezekiel (2004)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Application of recharge, aquifer media, vadose zone and hydraulic conductivity on modelling vulnerability of groundwater to pollution in Lakes Naivasha-Elmentaita-Nakuru basins	Completed (2007)
16.	Simiyu, Immaculate N. (2003)	Kenyatta University, Nairobi, Kenya	Master of Environmental Planning and Management	Anthropogenic impacts on water sources in Naivasha urban and peri-urban areas	Submission (June/July 2012)
17.	Olaka, Lydia (2003)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Influence of geology and impacts of landuse and climate change on the River Nyando basin	Completed (2005)
18.	Ochola, S.O. (2001)	Department of Geology, University of Nairobi, Kenya	Master of Science in Environmental Geology and Management	Biogeochemistry of sediment gases in Lake Nakuru, Kenya.	Completed (2003)
19.	Kinyanjui, D.M. (2000)	Department of Geology, University of Nairobi, Kenya	Master of Science in Palynology and Micropalaeontology	Palynology and heavy metals in the sediments of Ondiri Swamp, Kikuyu Township, Kenya: Implications for present and future land use practice	Completed (2003)
20.	Hersi, Mohammed (1999)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Hydrogeochemistry of groundwater in Nairobi Area	Completed (2003)

21.	Ogege, J. (1998)	Department of Geology, University of Nairobi, Kenya	Master of Science in Hydrogeology and Groundwater Resource Management	Groundwater geochemistry in Busia District, Kenya	Completed (2001)
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3. EXTERNAL EXAMINATION

	Name	Institution	Degree Level	Thesis Title	Year
1.	Kasaka, Moses	Makerere University	M.Sc.	Contribution by Former Copper Smelting on Walukuba Hill to the Heavy Metal Loading in Stream Sediments/Soil and Water in the Napoleon Gulf Wetland of Lake Victoria, Jinja, Eastern Uganda	Oct 2009
2.	Biryabarema, M.	Makerere University	Ph.D.	The influence of soil, bedrock and groundwater characteristics on municipal waste dumping in Kampala city and surrounding areas	Sep 2000

10. INTERNATIONAL AND NATIONAL COLLOQUIA

(a) Papers Presented

1. **International Symposium on Enhancing Water Management Capacity in a Changing World: Science Academies Working Together to Increase Global Access to Water and Sanitation, Sao Paulo, Brazil, 25-28th June, 2012. Paper presented: Water Challenges in the Mining Industry: Examples from Africa.**
2. **Integrated Lake Nakuru Basin Management Workshop, Merica Hotel, Nakuru, 13th to 14th December, 2011. Paper presented: Geophysical Evaluation of Leachate Leaking Points from Njoro Sewage Treatment Plant, Nakuru Municipality, Kenya. Resource Person, ILEC.**
3. **The 2nd ISARM Pilot Course, 9-10 December 2010 at UNESCO Headquarters, Paris, France. Paper discussed: 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 (Invited Keynote Paper).**
4. **Ministry of Water and Irrigation National Consultative Workshop on Research in the Water Sector, 5th May 2010, Utalii Hotel, Nairobi, Kenya. Paper presented: Anthropogenic and Natural Threats to Groundwater Resources in the Central Kenya Rift arising from Climate Change and Geology.**
5. **National Launch of IYPE and 12th Geological Society of Kenya Conference, 17-19 March 2009, PanAfric Hotel, Nairobi. Paper presented: Comparative Geochemistry of Surface and Groundwaters in the Central Kenya Rift: A Preliminary Assessment. Co-organiser.**
6. **Climate Change and Adaptation: Mainstreaming Climate Change Adaptation into Development Policies in East Africa (WWF_EARPO, ACTS and ATPS), 14-16 October**

- 2008, Silver Springs Hotel, Nairobi, Kenya. *Paper presented: Vulnerability Assessment of Freshwater Ecosystems to Climate Change in East Africa. (Invited Keynote Paper).*
7. International Conference on Groundwater and Climate in Africa, 24-28 June 2008, Hotel Speke Munyonyo, Kampala, Uganda. *Paper presented: Holocene palaeohydrology, groundwater and climate change in the Lake Basins of the Central Kenya Rift. (Invited Keynote Paper).*
 8. International Geosphere-Biosphere Programme (IGBP) Congress, 05 - 09 May 2008, Cape Town International Convention Centre, Cape Town, South Africa. *Paper presented: Africa: Palaeo-perspectives on water and land cover with emphasis on eastern Africa (Invited Keynote Paper).*
 9. MAWARI Project Workshop, 20-24 November 2007, Addis Ababa University, Addis Ababa, Ethiopia. *Paper presented: Comparative Geochemistry of Surface and Ground Waters in the Central Kenya Rift: A Preliminary Assessment.*
 10. International Symposium on Advances in Tropical Aquatic Science Research and Management in Kenya, Kenya-Belgium VLIR Programme/AQUA Project (Free University of Brussels, Belgium and University of Nairobi, Kenya), 9th to 12th February 2007, Mombasa Beach Hotel, Mombasa, Kenya. *Paper presented: Use of Foraminifera for Detection of Climate Change.*
 11. Workshop on Disaster Risk Reduction Strategy for Kenya, 26th October 2006, Utalii College, Nairobi, Kenya. *Presentation: Reduce Loss of Life, Livelihoods and Property.*
 12. Inter Academy Panel (IAP) Water Programme Workshop, 16-18 August 2006, Pretoria, South Africa. *Papers presented: Water-Related Environmental Problems in Agriculture in the Lake Victoria Basin; Climate Change and Water Resources.*
 13. Fifteenth Climate Outlook Forum for the Greater Horn of Africa (GHACOF15), 2-4th March 2005, Mombasa, Kenya. *Paper presented: The interactions between the coastal zone, the oceans and the inland freshwater resources of GHA.*
 14. Policy Consultation Workshop on "Vulnerability to Climate Stress – Local and Regional Perspectives" held at ICRAF, Nairobi, Kenya, January 27-28th 2005. CICERO, ACTS and IIED-UK. *Paper presented: Climate change, malaria and cholera in Lake Victoria basin.*
 15. 2nd AIACC Africa Regional Workshop, Dakar, Senegal, March 22-29, 2004. *Paper presented: Climate and hydrological variability and extremes in Lake Victoria basin.*
 16. Regional Workshop on Research for Sustainable Water Resources in East African Rift Valley, Addis Ababa, Ethiopia, 2-29 November, 2001. *Paper presented: Situational analysis of pollution and management in the Nairobi River Basin. Volume des Contributions.*
 17. Enhancement of Productivity and Sustainability of Urban/Peri-Urban Agriculture (UPA) through Efficient Management of Urban Waste, UN Habitat, Nairobi, 8-9 October 2001. *Paper presented: Potential uses of urban and peri-urban rivers for agriculture.*
 18. PAGES PEP III Conference on Past Climate Variability through Europe and Africa, Aix-en-Provence, France, 27-31 August 2001. *Paper presented: START/PAGES activities in sub-Saharan Africa, Abstracts Vol. pp.125-126.*
 19. IDEAL Second International Symposium, Club Makokola, Malawi, 10th to 13th January, 2000. **Co-organiser.** *Paper presented: Late Holocene palaeoenvironmental record of Kiluli Swamp, Mount Kenya, and its regional context.*
 20. Saline-Alkaline Lakes in Eastern and Southern Africa Workshop. Nairobi, Kenya, 24th to 27th September, 2000. Funded by German Exchange Programme (DAAD) and UNESCO. **Co-organiser.** *Paper presented: Physico-chemical processes in the saline alkaline lakes of Kenya.*

21. IPCC Working Group II Africa Regional Expert Meeting: Third Assessment Report (TAR) "Climate Change: Impacts, Adaptation and Vulnerability", Rabat, Morocco, 2 to 6 August 1999. *Paper presented: Vegetation changes over palaeo time scales in Africa (invited paper).*
22. The 8th Conference on the Geology of Kenya, Geological Society of Kenya, 24-26 March 1999. *Paper presented: An interbasinal study of the sedimentology of late Holocene sediments in the rift valley Lake Turkana, Kenya (with E.O. Odada). Programme and Abstracts Vol., p. 19.*
23. 3rd PACOM Meeting, Nairobi, Kenya, 31 August 1998. *Paper presented: New perspectives on late Quaternary palaeoenvironments of East Africa (invited paper).*
24. PAGES Open Science Meeting, London, UK, April 1998. *Paper presented: Highlights of research activities at the PAGES Africa Regional Site, Nairobi, Kenya.*
25. Second Workshop on Global Palaeoenvironmental Data, Boulder, Colorado, USA, 9 to 12 February 1998. *Paper presented: Problems and Solutions for Developing Countries: Experiences at the START Regional Office.*
26. Miombo Network Workshop on Land Use, Lusaka, Zambia, 27 October to 1 November 1997. *Paper presented: Temporal dynamics of late Quaternary vegetation change in East and Southern Africa.*
27. IGBP-DIS/WDC Workshop on Global Environmental Data Management, Boulder, Colorado, USA, 8 to 11 April 1997. *Papers presented: a) Choosing areas of highest priority in palaeo-research. b) Extending data systems to developing countries: Africa.*
28. Continental Signals of Palaeomonsoon Dynamics in Africa: Inter-Hemispheric Perspectives, Workshop, Siwa Oasis, Egypt, 11 to 22 January 1997. *Paper presented: Long-term temporal characteristics of palaeomonsoon dynamics in equatorial Africa (with E.O. Odada).*
29. International Geological Correlation Program (IGCP 374) meeting, London, 14 to 15 October 1996. *Paper presented: Tropical terrestrial deglacial records compared with polar ice and deep sea records (with E. O. Odada).*
30. Global Environmental Change: Implications for Southern Africa. Regional Conference, 24 to 26 April, 1995. *Paper presented: Late Quaternary temporal characteristics in an equatorial high-altitude lake: Sacred Lake, Mount Kenya. Abstract vol. pp. 104-105.*
31. Invited paper, Union Symposium on 'The Regulation of the Planet', European Union of Geosciences, Strasbourg, 9 to 13 April, 1995. *Paper presented: The role of the tropics in the global carbon cycle: a late Quaternary perspective (with F.A. Street-Perrott, R.A. Perrott, D.D. Harkness, A. Parkes, Y. Huang and G. Eglinton) (invited paper).*
32. IDEAL Symposium on the Palaeoclimatology of East African Lakes, Jinja, Uganda, February 1993. *Paper presented: Impact of natural long-term variations in atmospheric CO₂ on the East African mountains (with R.A. Perrott, F.A. Street-Perrott, and D.D. Harkness).*
33. Diatom Palaeoecology Conference, Amsterdam, Netherlands, June, 1992. *Paper presented: Diatom assemblages and environmental changes in the montane rainforest lakes of Mount Kenya, Kenya (with L. Ben Khelifa, F.A. Street-Perrott and R.A. Perrott).*

(b)Meetings Attended

34. Scientific Conference of the NASAC-KNAW Collaboration Initiative on "Water Management Issues in Africa", 28th to 31st March 2012, Reduit, Mauritius.

35. Institute for Climate Change and Adaptation, CBPS, UoN Workshop, 23rd to 25th March 2012. *Curriculum Development for Institute Programmes.*
36. Workshop on the Development of Integrated Lake Basin Management (ILBM) Platform. Imperial Hotel, Kisumu, 7th December 2011. *Resource Person, ILEC.*
37. US-NSF and PAGES workshop on Continental Drilling in the East African Rift Lakes: A Strategic Planning Workshop, 14th to 16th November 2011, Renaissance Hotel, Providence, Rhode Island, USA.
38. Kenya National Consultation for the Groundwater Resources Exploration and Capacity Building to Combat Drought in the Horn of Africa, 9th to 10th November 2011, Laico Hotel, Nairobi, Kenya. Organised by Government of Kenya and UNESCO Nairobi Office.
39. Consultative workshop on Integrated Lake Basin Management (ILBM) and ILBM Platform, 1st to 5th August 2011, Pune, India. *Resource Person, ILEC.*
40. NASAC-KNAW Conference and 5th TWAS-ROSSA Young Scientists Conference. 23rd to 27th February 2011, Hilton Hotel, Nairobi. **Co-organiser (Hon. Secretary).**
41. Integrated Lake Basin Management (ILBM) and Sanitation Challenges in the Kisumu-Winam Bay Region and in Lake Victoria, 14th February 2011, Imperial Hotel, Kisumu, Kenya.
42. The 5th East African Community Petroleum Conference and Exhibition, 2nd to 4th February 2011, Serena Hotel, Kampala, Uganda.
43. Launch of the Project on the Development of the National Water Master Plan, Wednesday 27th October 2010, Laico Grand Regency Hotel, Nairobi, Kenya. Ministry of Water and Irrigation.
44. Stakeholder Consultative Meeting on Mutual Recognition of Professional Qualifications, 7th September 2010, Crowne Plaza Hotel, Nairobi, Kenya. Organised by Republic of Kenya – Ministry of the East African Community.
45. NASAC Water Programme Launch Meeting, 2nd to 3rd August 2010, Hilton Hotel, Nairobi, Kenya. Organised by NASAC.
46. Makueni Pilot Project Policy Briefing Meeting, May 12th 2010, United Kenya Club, Nairobi, Kenya. **Project Scientist.**
47. Parliamentary Committees Sensitization Workshop on Climate Change, 8-9th October 2009, Mombasa Continental Hotel, Mombasa, Kenya. **Resource Person.**
48. Pre-AMCEN African Climate Change Scientists Meeting, 21-22 May 2009, ICRAF, Nairobi. Consultative Meeting. **Resource Person.**
49. Global Change Research in Africa (GCR) Steering Committee Meeting, 19-21 June 2006, Pretoria, South Africa.
50. Kenya National Academy of Sciences (KNAS) 1st Strategic Planning Workshop, 11-13 May 2006, Garden Hotel, Machakos, Kenya
51. IPCC Working Group I Fourth Assessment Report, Third Lead Authors Meeting, 13-15 December 2005, University of Canterbury, Christchurch, New Zealand.
52. Workshop on Towards Market-Sensitive Training and Problem-Oriented Research Programmes in Environmental Chemistry, 6th September 2006, College of Insurance, Nairobi, Kenya. Hosted by Department of Chemistry, University of Nairobi.
53. African Global Change Research Organising Meeting, 23-24 June 2005, Pretoria, South Africa.
54. University of Nairobi Bachelor of Education (Science) Distance Learning Reviewers/Editors Workshop, Greenhills Hotel, Nyeri, 14th to 18th February, 2005.

55. Stakeholders Meeting on IGAD Environmental Outlook Process, 16-17 December 2004, UNEP, Nairobi, Kenya.
56. Remote Sensing and GIS Training Workshop. Held at Regional Centre for Mapping of Resources for Development, Nairobi, Kenya, 22nd October to 5th November 2004. Sponsored by START. **Co-organiser.**
57. IPCC Working Group I Fourth Assessment Report First Lead Authors Meeting, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, September 26-29, 2004.
58. Ecosystem Outlook for the Lake Victoria Basin Workshop, 2-4th September, 2004. Pan African START Secretariat (PASS). Sponsored by PASS/UNEP. **Organiser.**
59. National Workshop on Science and Technology Park Development for Sustainable Industrial Growth. Holiday Inn, Nairobi, Kenya, June 30th 2004. **Rapporteur.**
60. University of Nairobi Distance Learning Reviewers Workshop, Matuu, Kenya, June 3-8, 2004.
61. Pan African Implementation and Partnership Conference on Water, Addis Ababa, Ethiopia, December 8-13, 2003.
62. International Young Scientists Global Change Conference, Trieste, Italy, November 17-19, 2003. **Co-organiser.**
63. PAGES meeting on High Latitude Palaeoenvironments, Moscow, Russia, May 16-17, 2002.
64. The East African Lakes - IDEAL Project. The African Pollen Database (APD) and SEARCH Workshop. Nairobi, Kenya, 22-26 October 2001. **Co-organiser.**
65. Global Change Open Science Conference, Amsterdam, The Netherlands, 10-13 July 2001.
66. Climate Variability in Africa. First International Workshop, 9-12 April 2001, Enugu, Nigeria.
67. Freshwater Resources in Africa Workshop, held at UNEP Headquarters, Nairobi, Kenya, 26-29 October 1999. **Local Organising Committee.**
68. The Environmental Background to Hominid Evolution in Africa: Quaternary and Holocene sedimentary records in Central Africa and their palaeoenvironmental interpretation. Session P10 Workshop, INQUA XV International Congress, Durban, South Africa, 3rd to 11th August 1999. **Session Organiser.**
69. All World Data Conference, ICSU Panel on World Data Centers, Asheville, NC, USA, 6-8 November, 2000.
70. GIS/Remote Sensing in Spatial Modelling and Environmental Training Workshop. Maputo, Mozambique, 13th to 18th July, 2000. Funded by PASS/START/Miombo Network. **Co-organiser.**
71. Workshop on South Asian Palaeoenvironments. Pune, India, 4-5 February 2000.
72. East and Southern Africa Workshop in Geomedicine (ESARWG), 23 to 27 June 1999, Nairobi, Kenya.
73. IGBP SAC V Meeting held at UNEP Headquarters, Nairobi, Kenya, 1-7 September, 1998. **Local Organising Committee.**

11. PUBLICATIONS

a) Refereed Journal Articles

No.	Reference	Date
1.	Garcin, Y., Melnick, D., Olago, D. , Strecker, R. and Tiercelin, J-J. East African mid-Holocene wet-dry transition recorded in palaeo-shorelines of Lake Turkana, northern Kenya Rift. <u>Earth and Planetary Science Letters</u> . Doi 10.1016/j.epsl.2012.03.016 (Mar 2012). <u>Earth and Planetary Science Letters</u> 331-332: 322–334.	May 2012
2.	Melnick, D., Garcin, Y., Quinteros, J., Strecker, R., Olago, D.O. and Tiercelin, J-J. Steady rifting in northern Kenya inferred from deformed Holocene lake shorelines of the Suguta and Turkana basins. <u>Earth and Planetary Science Letters</u> . Doi: 10.1016/j.epsl.2012.03.007 (Mar 2012). <u>Earth and Planetary Science Letters</u> 331–332: 335–346.	May 2012
3.	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. <u>Quaternary Science Reviews</u> , 29: 2981-2988.	Dec 2010
4.	Olaka, L.A., Odada, E. O., Trauth, M.H. and Olago, D.O. (2010) The sensitivity of East African rift lakes to climate fluctuations. <u>Journal of Paleolimnology</u> , 44: 629-644. DOI 10.1007/s10933-010-9442-4 .	Apr 2010
5.	Ochola, S.O., Eitel, B. and Olago, D.O. (2010) Vulnerability of schools to floods in Nyando River catchment, Kenya. <u>The Journal of Disaster Studies, Policy and Management</u> . doi: 10.1111/j.0361-3666.2010.01167.x	Apr 2010
6.	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. Vulnerability to epidemic malaria in the highlands of Lake Victoria basin: the role of climate change/variability, hydrology, health and socio-economic factors. <u>Journal of Climatic Change</u> , 99:473-497. DOI 10.1007/s10584-009-9670-7 .	Jan 2010
7.	Olago, D.O. , Opere, A. and Barongo, J. Holocene palaeohydrology, groundwater and climate change in the lake basins of the Central Kenya Rift. <u>Hydrological Sciences Journal</u> , 54(4): 765-780.	Aug 2009
8.	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. <u>Quaternary Science Reviews</u> , 28 (9-10): 911-925.	May 2009
9.	Bennett, M.R., Harris, J.W.K., Richmond, B.G., Braun, D.R., Mbu, 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. <u>Science</u> , 323: 1197-1201. DOI: 10.1126/Science.1168132	Feb 2009

10. 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
11. Odada, E.O., Ochola, W.O. and **Olago, D.O.** Understanding future ecosystem changes in Lake Victoria basin using participatory local scenarios. *African Journal of Ecology*, 47(1): 147-153. Feb 2009
12. 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
13. 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
14. **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
15. **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
16. 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
17. 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
18. **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
19. 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
20. 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
21. **Olago, D.O.** (2001). Vegetation changes over palaeo-time scales in Africa. *Journal of Climatic Research*, 17 (2): 105-121. Aug 2001
22. **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

23. **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
24. 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
25. **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
26. **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
27. **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
28. 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
29. 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) Refereed Book Chapters

No.	Reference	Date
30.	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.), <u>Climate Change and African Forests and Wildlife Resources, pp.18-33.</u> African Forest Forum, Nairobi, Kenya. Printed in Gävle, Sweden. ISBN 978-92-9059-296-9.	Nov 2011
31.	Ogondo, J.A., Olago, D.O. and Odada, E.O. 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, Paleocology of Africa, 30: 189-198.	Dec 2010
32.	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) <u>Vulnerability to Climate Induced Highland Malaria in East Africa.</u> In: Leary, N., Adejuwon, J., Barros, V., Burton, I., Kulkarni, J. and Lasco, R. (Eds.) <i>Climate Change and Vulnerability.</i> Earthscan, London. ISBN 978-1-84407-469-3.	Dec 2007

33. 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
34. **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
35. 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
36. 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
37. **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. Sep 2004
38. 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
39. **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
40. **Contributing Author**, (2001). Chapter 10: Africa. Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Working Group II. 2001
41. **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
42.	Olago, D.O. Environmental Geology. College of Education and External Studies, University of Nairobi, 2003. Published by University of Nairobi.	2008
43.	Otter, L., Olago, D.O. , and Niang, I. (Eds.) (2007). <u>Global Change Processes and Impacts in Africa: A Synthesis</u> . East African Educational Publishers Ltd., Nairobi.	Oct 2007
44.	Odada, E.O., Olago, D.O. , Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. <u>11th World Lakes Conference Nairobi, Kenya, 31 October to 4th November 2005, Proceedings Volume I: Socioeconomic Aspects of Lakes and Lake Management</u> . Ministry of Water and Irrigation, Kenya and International Lake Environment Committee (ILEC), Japan.	Jul 2006
45.	Odada, E.O., Olago, D.O. , Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. <u>11th World Lakes Conference Nairobi, Kenya, 31 October to 4th November 2005, Proceedings Volume II: Biophysical Aspects of Lakes and their Basins</u> . Ministry of Water and Irrigation, Kenya and International Lake Environment Committee (ILEC), Japan.	Jul 2006
46.	Odada, E.O., Olago, D.O. and Ochola, W. (Eds.) (2006). <u>An Ecosystems Assessment of Lake Victoria Basin</u> . UNEP/PASS.	Jun 2006
47.	UNEP, 2006. Lake Victoria Basin Environment Outlook: Environment and Development. UNEP, Nairobi.	Jun 2006
48.	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
49.	Olago, D.O. and Odada, E.O. (Guest Editors). <u>Linking African Palaeoenvironments and Modern Environments: PAGES Workshop</u> . Quaternary International, Volume 148, Elsevier Publishers.	May 2006
50.	Olago D.O. Introduction to Palaeontology. College of Education and External Studies, University of Nairobi. Published by University of Nairobi.	2003
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63.	Vulnerability Assessment of Freshwater Ecosystems to Climate Change in East Africa. (WWF-EARPO).	Oct 2008
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65.	Disaster Risk Reduction Strategy for Kenya, 2006-2016. UNES Consulting for Government of Kenya.	2006
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68.	<i>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)</i>	Nov 2004
69.	<i>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).</i>	Sep 2002
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No.	Reference	Date
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73. Olaka, L.A., Odada, E.O., **Olago, D.O.** and Trauth, M.H. Estimating Holocene groundwater depletion of the Central Kenya Rift lakes. (in prep)
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12. CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

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Signature

.....10/07/2012.....
Date

13. REFEREES

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