

# **CURRICULUM VITAE - Dr. Daniel O. OLAGO**

(as at Tuesday, 09 January 2007)

Name: Dr. Daniel Ochieng' Olago (D.Phil., Oxon)  
Position: Senior Lecturer in Geology  
Address: Department of Geology, University of Nairobi,  
P.O. Box 30197, Nairobi, KENYA  
Date of Birth: 3rd November, 1965  
Nationality: Kenyan  
Sex: Male  
Marital Status: Married with two children  
Languages: English, French, Swahili, Luo

**Registered Geologist - Geologists Registration Board, Kenya**

## **I. Education**

	<b>Institution</b>	<b>Certificate/Degree</b>	<b>Year</b>
1.	Lenana High School, Nairobi, Kenya, 1979-1984	Kenya Certificate of Education 'O' Levels, Division I Pass	1982
		Kenya Advanced Certificate of Education 'A' Levels, 3 Principal Passes	1984
2.	University of Nairobi, Nairobi, Kenya, 1986 - 1992	B.Sc. (First Class Honours) <u>Major subject:</u> Geology <u>Minor subjects:</u> Physics and Maths	1989
		M.Sc. (Geology) by coursework and thesis <u>Thesis:</u> The Mineralogy and Sedimentology of Recent Subaqueous Sediments in Lake Turkana, Kenya.	1993
3.	University of Oxford, Oxford, UK, 1990-1995*	Degree of Doctor of Philosophy (D.Phil.) <u>Thesis:</u> Late Quaternary Lake Sediments of Mount Kenya, Kenya	1996

\* First year spent on laboratory analysis and completing M.Sc. degree of University of Nairobi.

## **II. Research Interests**

1. Quaternary geology and geochronology
2. Quaternary palaeoclimatology and palaeoenvironments
3. Sedimentology and Organic Geochemistry
4. Palaeontology and Palynology
5. Surface and sub-surface water chemistry and dynamics
6. Human impact on the environment: past and present

## **III. Research Programmes**

### **a) On-going**

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.
2. 2006-2008. *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.

3. 2006-2008. *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.
4. 2004-2008. *Ecosystem response along the Eastern Arc mountains (Tanganyika/Kenya) linking archaeology, bioclimatic modelling and ecology*. In collaboration with Dr. R. Marchant, University of Amsterdam, The Netherlands.

**b) Completed**

1. 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.
2. 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.
3. 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.

**IV. Professional Training Courses**

1. Training Workshop in Integrated Environmental Assessment and Reporting, 24-28<sup>th</sup> May 2004, Nairobi, Kenya. Funded by UNEP-DEWA.
2. Development and Application of Scenarios in Impacts, Adaptation and Vulnerability Assessments. AIACC Intensive Training Course, University of East Anglia, Norwich, UK, 15-26<sup>th</sup> April 2002. Funded by UNEP, TWAS and START (Awarded Certificate of Attendance).
3. 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).
4. African-GAIM Modelling Workshop, March 3 to 12, 1997, Mombasa, Kenya. Funded by IGBP-GAIM (Awarded Certificate of Attendance).

**V. Employment and Administrative Experience**

**a) Employment:**

1. Senior Lecturer, Department of Geology, University of Nairobi, April 2003 -
2. Lecturer, Department of Geology, University of Nairobi, May 1996 - March 2003.
3. Undergraduate laboratory classes in environmental reconstruction techniques, University of Oxford, U.K. 1992-1995.
4. Supervision of undergraduate laboratory classes, Geology Department, University of Nairobi, 1989-1990 academic year.
5. Assistant, the British Geothermal Project in Kenya, March, 1989.
6. Research Assistant, Dept. of Geology, University of Nairobi, July to September, 1988.
7. Electronics Technician Trainee, Kenya Railways, 1985/86

**b) Administrative Experience:**

1. Member, Faculty Postgraduate Studies Committee (FPSC), October 2001 to date
2. Class Tutor for Postgraduate Students, February 2005 to date
3. Registration Officer, Department of Geology, September 1996-2000, 2002-2003.
4. Examinations Officer, Department of Geology, September 1997-2001.

5. Representative of the Dean of Faculty of Science in the Law of the Sea (LOS) Committee, September 1998-2000.
6. Secretary, Faculty of Science Income Generation Unit, Research and Training Section, March 1999-2001.
7. Coordinator, Common Undergraduate Courses, Course CCS 005, Environmental Science, September 1998-1999.
8. Chairman, Common Undergraduate Courses Syllabus Review Committee, Faculty of Science, 1999-2000.
9. Member, Faculty Time-tabling Committee, October 2001- April 2003.

## **VI. Consultancy Experience**

1. Elangata Wuas Environmental Management Project, Kajiado (ongoing).
2. Environmental audit for African Diatomite Industries Ltd., Kariandusi, Kenya (2001).
3. Environmental impact assessment for expansion of petroleum storage facilities, the Mauritius Oil Industry, Mauritius (2001).
4. Nairobi Rivers Water Assessment Study, Nairobi, Kenya (1999-2000).
5. Environmental impact assessment for NOCK construction in industrial area, Nairobi, Kenya (1999).
6. Investigations on the impact of salt and sand harvesting activities on groundwater resources, Malindi District, Kenya (1998).
7. Several environmental impact assessments and Audits carried out under the EMCA Act since 2002.

## **VII. Scholarship and Meritorius Awards**

1. 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.
2. RHODES Scholar for Kenya, 1990, University of Oxford, UK.
3. DAAD Scholar, University of Nairobi, 1989 to 1990.

## **VIII. Professional Associations**

1. Vice-Chairman, Geological Society of Kenya (GSK), 2006 to present; member since 1997.
2. Member, International Lake Environment Committee, 2006 to present
3. Member, Climate Variability (WCRP) – Variability in African Climate System (CLIVAR-VACS) Panel, June 2003 to present.
4. Member and Programme Officer, Pan-African Committee for START (PACOM) on Global Change, January 1997 - July 2006.
3. International Scientific Steering Committee Member, International Geosphere-Biosphere Programme - Past Global Changes Programme (IGBP-PAGES SSC), 2000-2005.
5. Member, Kenya National Academy of Sciences, 2005 to date
6. Member, East African Natural History Society (EANHS), 1996 to date.

## **IX. Professional Services**

1. Resource person (Hydrology). The International Course on African Wetland Management, 2004 (13<sup>th</sup> October to 23<sup>rd</sup> November). Held at Kenya Wildlife Training Institute, Naivasha, Kenya.
2. Resource person (Sedimentology). The Lake Victoria Training Programme, 2003, 2004. Held at Kenya Wildlife Training Institute, Naivasha, Kenya. Funded by McArthur Foundation/NORAD.
4. Resource person. 2<sup>nd</sup> African Environment Outlook Report: The Lake Victoria Basin Environment Outlook, 2004/2005.

## **X. Membership on Journal Editorial Boards**

1. Palaeoecology of Africa, 2007 to date
2. The Holocene, 2005 to date
3. Quaternary International, 2004 to date

## **XI. Extra-Curricular Activities**

1. Member, Rhodes Scholarship Selection Committee for Kenya, December 1995-2001.
2. Secretary, Kenya Rhodes Scholars Association, June 1998-2001.
3. Assistant Treasurer, Chiromo Campus Club, October 1998-2005.

## **XII. Supervision and Examination of Dissertations and Theses**

### a) Supervision

1. Ph.D.

Ogege, J. (2004)	The climatic change record of riverine sediments in Lake Victoria Basin (Kenya): Past, Present and Implications for the Future	Ongoing
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2. M.Sc.

Ogege, J. (1998)	Groundwater Geochemistry in Busia District, Kenya	Completed (2001)
Hersi, Mohammed (1999)	Hydrogeochemistry of Groundwater in Nairobi Area	Completed (2003)
Kinyanjui, D.M. (2000)	Palynology and Heavy Metals in the Sediments of Ondiri Swamp, Kikuyu Township, Kenya: Implications for Present and Future Land Use Practice	Completed (2003)
Ochola, S.O. (2001)	Biogeochemistry of sediment gases in Lake Nakuru, Kenya.	Completed (2003)
Olaka, Lydia (2003)	Influence of geology and impacts of landuse and climate change on the River Nyando basin.	Completed (2005)
Kemboi, Ezekiel (2004)	Application of aquifer media characteristics and vadose zone influence on modelling vulnerability of groundwater to pollution in Lake Naivasha-Elmentaita-Nakuru watershed	Ongoing
Ooko, Joyce A. (2004)	Concentration levels and pattern of fluoride in groundwater from Kendu Bay area, Kenya	Ongoing

### b. Internal Examination of Dissertations/Theses

Board of Examiners for several M.Sc. dissertations

### c. External Examination

<u>Name</u>	<u>Institution</u>	<u>Degree Level</u>	<u>Thesis Title</u>	<u>Year</u>
Biryabarema, M.	Makerere University	Ph.D.	The influence of soil, bedrock and groundwater characteristics on municipal waste dumping in Kampala city and surrounding areas	2000

### **XIII. Publications**

#### **a) Journal Articles and Peer-Reviewed Book Chapters (\*)**

	<b>Reference</b>	<b>Date</b>
<b>1</b>	Odada, E.O., Ochola, W.O. and <b>Olago, D.O.</b> Factors driving land use change: Effects on ecosystem services and human wellbeing in Lake Victoria basin. <u>African Journal of Ecology</u> .	(submitted).
<b>2</b>	Odada, E.O., Ochola, W.O. and <b>Olago, D.O.</b> Understanding future ecosystem changes in Lake Victoria basin using participatory local scenarios. <u>African Journal of Ecology</u> .	(submitted).
<b>3</b>	Street-Perrott, F.A., Barker, P., Eglinton, G., Ficken, K., Wooller, M.J., Swain, D.L., Huang, <b>Olago, D.O.</b> and Huang, Y. Late Quaternary changes in carbon cycling on Mount Kenya, East Africa: a landscape-ecological perspective based on lake-sediment influxes. <u>Quaternary Science Reviews</u> .	(submitted).
<b>4</b>	<b>Olago, D.O.</b> and Odada, E.O. Sediment impacts in Africa's transboundary lake/river basins: case study of the East African Great Lakes. <u>Journal of Aquatic Ecosystem Health and Management</u> .	(accepted).
<b>5</b>	<b>Olago D.O.</b> et al. (2007) Palaeoclimate of Africa: An overview since the last glacial maximum. In: L. Otter, I. Niang-Diop and D.O. Olago (Eds.) <i>Global Change and Africa</i> . (*)	(in press)
<b>6</b>	Wandiga, S.O., Opondo, M., <b>Olago, D.O.</b> , 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. (2005). <u>Vulnerability to epidemic malaria in the highlands of Lake Victoria basin: the role of climate change/variability, hydrology, health and socio-economic factors</u> . <i>Journal of Climatic Change</i> .	(submitted).
<b>7</b>	A., Veldkamp, A., Buis, E., Wijbrans, J.R., <b>Olago, D.O.</b> , Boshoven, E.H., Marée, M., van Saparoea, R. van den B. (2005). <u>Late Cenozoic fluvial dynamics of Tana river, Kenya, an uplift dominated record</u> . <i>Quaternary Science Reviews</i> .	(submitted).
<b>8</b>	Wandiga, S.O., Opondo, M., <b>Olago, D.O.</b> , 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. (2006) <u>Vulnerability to Climate Induced Highland Malaria in East Africa</u> . In: Leary, N., Conde, C., Nyong, A. and Pulhin, J. (Eds.) <i>Dimensions of Vulnerability in a Changing Climate: Case Studies from the Developing World</i> . (*)	(accepted)
<b>9</b>	<b>Olago, D.O.</b> , 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) <u>Climatic, socio-economic and health factors affecting human vulnerability to cholera in the Lake Victoria Basin, East Africa</u> . <i>Ambio</i> (in press).	January 2007
<b>10</b>	Odada, E.O. and <b>Olago, D.O.</b> (2006) Challenges of an ecosystem approach to water monitoring and management of the African Great Lakes. <u>Journal of Aquatic Ecosystem Health and Management</u> , 9(4):433-446.	December 2006
<b>11</b>	Odada, E.O. and <b>Olago, D.O.</b> (2005). Holocene Climatic, Hydrological and Environmental Oscillations in the Tropics with Special Reference to Africa. In: Pak Sum Low (Ed.) <i>Climate Change and Africa</i> . Cambridge University Press,	January 2005

	<u>Cambridge.</u> (*)	
12	<b>Olago, D.O.</b> 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.) <u>Past Climate Variability through Europe and Africa</u> . Kluwer Academic Publishers, Dordrecht, The Netherlands.(*)	September 2004
13	Odada, E.O., <b>Olago, D.O.</b> , Kulindwa, K., Ntiba, M. and Wandiga, S. (2004). Mitigation of environmental problems in Lake Victoria, East Africa: Causal chain and policy option analyses. <u>Ambio</u> , 33 (1-2): 13-23.	February 2004
14	<b>Olago, D.O.</b> , Street-Perrott, F.A., Perrott, R.A., and Odada, E.O. (2003). Late Holocene sedimentology and palaeoenvironment of Kiluli Swamp, Mount Kenya, Kenya. <u>African Journal of Science and Technology, Science and Engineering Series 4 (2): 12-23.</u>	December 2003
15	Odada, E.O., <b>Olago, D.O.</b> , 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. <u>Aquatic Sciences</u> , 65: 245-271.	September 2003
16	Ogege, J.I.O., Odada, E.O. and <b>Olago, D.O.</b> (2002). Geological controls on groundwater geochemistry in Butula area, Busia District, Kenya. <u>African Journal of Science and Technology</u> , 3 (2): 24-33.	December 2002
17	Opiyo-Akech, N., <b>Olago, D.O.</b> , 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.) <u>African Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interactions and Human Dimensions</u> . LOICZ Reports and Studies No. 25, pp. 181-193. (*)	June 2002
18	<b>Olago D.O.</b> and Akech, N.O. (2001). Pollution Assessment in Nairobi River Basin. In: P.F. Okoth and P. Otieno (eds.), <u>Pollution Assessment Report of the Nairobi River Basin</u> , pp. 9-20. Africa Water Network/UNEP/Habitat. (*)	November 2001
19	<b>Olago, D.O.</b> (2001). Vegetation changes over palaeo-time scales in Africa. <u>Journal of Climatic Research</u> , 17 (2): 105-121.	August 2001
20	<b>Olago, D.O.</b> , Street-Perrott, F.A., Perrott, R.A., Ivanovich, M., and Harkness, D.D. (2001). U/Th and <sup>14</sup> C isotope dating of lake sediments from Sacred Lake and Lake Nkunga, Kenya. <u>African Journal of Science and Technology</u> , 2 (1): 36-46.	June 2001
21	<b>Contributing Author</b> , (2001). Chapter 10: Africa. <u>Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), Working Group II.</u> (*)	2001
22	<b>Olago, D.O.</b> and Odada, E.O. (2000). An interbasinal comparison of the sedimentology of late Holocene sediments in the rift valley Lake Turkana, Kenya. <u>Journal of African Earth Sciences</u> , 31 (2): 237-252.	September 2000
23	Opiyo-Akech, N., <b>Olago, D.O.</b> , 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. <u>Environmental Geology</u> , 40 (1/2): 99-110.	January 2000
24	<b>Olago, D.O.</b> , Odada, E.O., Street-Perrott, F.A., Perrott, R.A., Ivanovich, M., and	January 2000

	Harkness, D.D. (2000). Long-term temporal characteristics of palaeomonsoon dynamics in equatorial Africa. <u>Global and Planetary Change</u> , 26 (1-3): 159-171.	
25	<b>Olago, D.O.</b> , 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. <u>Journal of African Earth Sciences</u> , 30 (4): 957-969.	January 2000
26	<b>Olago, D.O.</b> , 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. <u>Journal of African Earth Sciences</u> , 29 (3): 593-618.	June 1999
27	Ficken, K.J., Street-Perrott, F.A., Perrott, R.A., Swain, D.L, <b>Olago, D.O.</b> and Eglinton, G. (1998). Glacial/interglacial variations in carbon cycling revealed by molecular and isotope stratigraphy of Lake Nkunga, Mt. Kenya, East Africa. <u>Organic Geochemistry</u> , 29 (5-7), pp. 1701-1719.	October 1998
28	Street-Perrott, F.A, Huang, Y., Perrott, R.A., Eglinton, G., Barker, P., Khelifa, L., Harkness, D.D. and <b>Olago, D.O.</b> (1997). Impact of lower atmospheric carbon dioxide on tropical mountain ecosystems. <u>Science</u> , 278: 1422-1426.	November 1997
29	<b>Olago, D. O.</b> 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.), <u>The Limnology, Climatology and Palaeoclimatology of the East African Lakes</u> pp. 413-431, Gordon and Breach Publishers, Amsterdam.(*)	June 1996

#### b) Books

	Reference	Date
30	Odada, E.O., <b>Olago, D.O.</b> , Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. <u>11<sup>th</sup> World Lakes Conference Nairobi, Kenya, 31 October to 4<sup>th</sup> 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.	July 2006
31	Odada, E.O., <b>Olago, D.O.</b> , Ochola, W., Ntiba, M., Wandiga, S., Gichuki, N. and Oyieke, H., 2006. <u>11<sup>th</sup> World Lakes Conference Nairobi, Kenya, 31 October to 4<sup>th</sup> 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.	July 2006
32	Odada, E.O., <b>Olago, D.O.</b> and Ochola, W. (Eds.) (2006). <u>An Ecosystems Assessment of Lake Victoria Basin</u> . UNEP/PASS.	June 2006
33	UNEP, 2006. Lake Victoria Basin Environment Outlook: Environment and Development. UNEP, Nairobi.	June 2006
34	Odada, E.O., <b>Olago, D.O.</b> , 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.	June 2006
35	<b>Olago, D.O.</b> and Odada, E.O. (Guest Editors) (2006). <u>Linking African Palaeoenvironments and Modern Environments: PAGES Workshop</u> . Quaternary International, Volume 148, Elsevier Publishers.	May 2006
36	Odada, E.O. and <b>Olago, D.O.</b> (Eds.) (2002). <u>The East African Great Lakes: Limnology</u> .	July 2002

<u>Palaeolimnology and Biodiversity</u> . Advances in Global Change Research, Volume 12. Kluwer Academic Publishers, 586 p.	
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c) Articles in Proceedings

	Reference	Date
37.	Wandiga, S.O., Opondo, M., <b>Olago, D.</b> , 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 <a href="http://www.aiaccproject.org">www.aiaccproject.org</a> . 47 pp.	
38.	<b>Olago, D.O.</b> (2002). Interactions between urban agriculture and fluvial systems in Nairobi Rivers Basin. <u>UNEP-Habitat Conference Proceedings, 1-3 October 2001</u> .	
39.	<b>Olago, D.O.</b> 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.	

d) Articles in Science Magazines

1. **Olago, D. O.** and Odada, E.O. (2001). Palaeoecology of Eastern Africa Mountains. PAGES News, Vol. 9 No. 3, pp. 19-21. December 2001.

e) Book Reviews

2. *More people, Less Erosion - Environmental Recovery in Kenya*, by M. Tiffen *et al.*, 1994. In: Progress in Physical Geography, **20 (2)**: 251-252 (1996).
3. *Global Geological Record of Lake Basins*, edited by K. Kelts and E. Gierlowski-Kordesch, 1994. In: Progress in Physical Geography, **20 (3)**: 363-364 (1996).

f) Research and Technical Reports

4. Climate Change Impacts in the East African Rift Valley Lakes. Prepared for WWF Eastern Africa Regional Programme Office (EARPO), March 2004.
5. *Sand harvesting activities, sand and water resources along the Toroka River, Kajiado District, Kenya*. Report prepared for Elangata Wuas Ecosystem Management Project (EWEMP), September 2002 (with Dr. P. Okoth and Prof. N. Opiyo-Akech).
6. *Environmental Impact Assessment Report for Mauritius Oil Industry*. Report Prepared for Panafcon, January 2002 (with Mr. G.G. Owuor).
7. *Environmental Impact Assessment Report* prepared for African Diatomite Industry Limited (ADIL), November 2001 (with Mr. P. Okoth and Prof. N. Opiyo-Akech).
8. *Environmental Impact Assessment in the Area of the Proposed National Oil Corporation of Kenya Truck Loading Facility, Industrial Area, Nairobi, Kenya*. Report prepared for Professional Consultants, Nairobi. March 1999 (with Prof. E.O. Odada, Prof. I.O. Jumba, and Dr. J.O. Barongo).
9. *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. January 1998 (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])

#### **XIV. Meetings and Presentations**

1. Workshop on Disaster Risk Reduction Strategy for Kenya, 26<sup>th</sup> October 2006, Utalii College, Nairobi, Kenya. *Presentation: Reduce Loss of Life, Livelihoods and Property.*
2. 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.*
3. Global Change Research in Africa (GCR) Steering Committee Meeting, 19-21 June, Pretoria, South Africa.
4. IPCC Working Group I Fourth Assessment Report, Third Lead Authors Meeting, 13-15 December 2005, University of Canterbury, Christchurch, New Zealand.
5. African Global Change Research Organising Meeting, 23-24 June 2005, Pretoria, South Africa.
6. Fifteenth Climate Outlook Forum for the Greater Horn of Africa (GHACOF15), 2-4<sup>th</sup> March 2005, Monbasa, Kenya. . *Paper presented: The interactions between the coastal zone, the oceans and the inland freshwater resources of GHA.*
7. University of Nairobi Bachelor of Education (Science) Distance Learning Reviewers/Editors Workshop, Greenhills Hotel, Nyeri, 14<sup>th</sup> to 18<sup>th</sup> February, 2005.
8. Policy Consultation Workshop on “Vulnerability to Climate Stress – Local and Regional Perspectives” held at ICRAF, Nairobi, Kenya, January 27-28<sup>th</sup> 2005. CICERO, ACTS and IIED-UK. *Paper presented: Climate change, malaria and cholera in Lake Victoria basin.*
9. Stakeholders Meeting on IGAD Environmental Outlook Process, 16-17 December 2004, UNEP, Nairobi, Kenya.
10. Remote Sensing and GIS Training Workshop. Held at Regional Centre for Mapping of Resources for Development, Nairobi, Kenya, 22<sup>nd</sup> October to 5<sup>th</sup> November 2004. Sponsored by START. **Co-organiser.**
11. IPCC Working Group I Fourth Assessment Report First Lead Authors Meeting, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, September 26-29, 2004.
12. Ecosystem Outlook for the Lake Victoria Basin Workshop, 2-4<sup>th</sup> September, 2004. Pan African START Secretariat (PASS). Sponsored by PASS/UNEP. **Organiser.**
13. National Workshop on Science and Technology Park Development for Sustainable Industrial Growth. Holiday Inn, Nairobi, Kenya, June 30<sup>th</sup> 2004. **Rapporteur.**
14. University of Nairobi Distance Learning Reviewers Worksop, Matuu, Kenya, June 3-8, 2004.
15. Climate and hydrological variability and extremes in Lake Victoria basin. 2<sup>nd</sup> AIACC Africa Regional Workshop, Dakar, Senegal, March 22-29, 2004.
16. Pan African Implementation and Partnership Conference on Water, Addis Ababa, Ethiopia, December 8-13, 2003.
17. International Young Scientists Global Change Conference, Trieste, Italy, November 17-19, 2003. **Co-organiser.**
18. PAGES meeting on High Latitude Palaeoenvironments, Moscow, Russia, May 16-17, 2002.
19. Situational analysis of pollution and management in the Nairobi River Basin. Regional Workshop on Research for Sustainable Water Resources in East African Rift Valley, Addis Ababa, Ethiopia, 2-29 November, 2001. Volume des Contributions.
20. The East African Lakes - IDEAL Project. The African Pollen Database (APD) and SEARCH Workshop, Nairobi, Kenya, 22-26 October 2001. **Co-organiser.**
21. Potential uses of urban and peri-urban rivers for agriculture. Enhancement of Productivity and Sustainability of Urban/Peri-Urban Agriculture (UPA) through Efficient Management of Urban Waste, UN Habitat, Nairobi, 8-9 October 2001.
22. START/PAGES activities in sub-Saharan Africa, PAGES PEP III Conference on Past Climate Variability through Europe and Africa, Aix-en-Provence, France, 27-31 August 2001. Abstracts Vol. pp.125-126.
23. Global Change Open Science Conference, Amsterdam, The Netherlands, 10-13 July 2001.
24. Climate Variability in Africa. First International Workshop, 9-12 April 2001, Enugu, Nigeria.
25. Late Holocene palaeoenvironmental record of Kiluli Swamp, Mount Kenya, and its regional context. IDEAL Second International Symposium, Club Makokola, Malawi, 10<sup>th</sup> to 13<sup>th</sup> January, 2000. **Co-organiser.**

26. Freshwater Resources in Africa Workshop, held at UNEP Headquarters, Nairobi, Kenya, 26-29 October 1999. **Local Organising Committee.**
27. 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, 3<sup>rd</sup> to 11<sup>th</sup> August 1999. **Session Organiser.**
28. All World Data Conference, ICSU Panel on World Data Centers, Asheville, NC, USA, 6-8 November, 2000.
29. Physico-chemical processes in the saline alkaline lakes of Kenya, Saline-Alkaline Lakes in Eastern and Southern Africa Workshop, Nairobi, Kenya, 24<sup>th</sup> to 27<sup>th</sup> September, 2000. Funded by German Exchange Programme (DAAD) and UNESCO. **Co-organiser.**
30. GIS/Remote Sensing in Spatial Modelling and Environmental Training Workshop. Maputo, Mozambique, 13<sup>th</sup> to 18<sup>th</sup> July, 2000. Funded by PASS/START/Miombo Network. **Co-organiser.**
31. Workshop on South Asian Palaeoenvironments. Pune, India, 4-5 February 2000.
32. Vegetation changes over palaeo time scales in Africa (invited paper), 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.
33. East and Southern Africa Workshop in Geomedicine (ESARWG), 23 to 27 June 1999, Nairobi, Kenya.
34. An interbasinal study of the sedimentology of late Holocene sediments in the rift valley Lake Turkana, Kenya (with E.O. Odada). The 8<sup>th</sup> Conference on the Geology of Kenya, Geological Society of Kenya, 24-26 March 1999. Programme and Abstracts Vol., p. 19.
35. IGBP SAC V Meeting held at UNEP Headquarters, Nairobi, Kenya, 1-7 September, 1998. **Local Organising Committee.**
36. New perspectives on late Quaternary palaeoenvironments of East Africa. Invited paper, 3rd PACOM Meeting, Nairobi, Kenya, 31 August 1998.
37. Highlights of research activities at the PAGES Africa Regional Site, Nairobi, Kenya. PAGES Open Science Meeting, London, UK, April 1998.
38. Problems and Solutions for Developing Countries: Experiences at the START Regional Office. Second Workshop on Global Palaeoenvironmental Data, Boulder, Colorado, USA, 9 to 12 February 1998.
39. Temporal dynamics of late Quaternary vegetation change in East and Southern Africa. Miombo Network Workshop on Land Use, Lusaka, Zambia, 27 October to 1 November 1997.
40. a) Choosing areas of highest priority in palaeo-research. b) Extending data systems to developing countries: Africa. IGBP-DIS/WDC Workshop on Global Environmental Data Management, Boulder, Colorado, USA, 8 to 11 April 1997.
41. Long-term temporal characteristics of palaeomonsoon dynamics in equatorial Africa (with E.O. Odada). Continental Signals of Palaeomonsoon Dynamics in Africa: Inter-Hemispheric Perspectives, Workshop, Siwa Oasis, Egypt, 11 to 22 January 1997.
42. Tropical terrestrial deglacial records compared with polar ice and deep sea records (with E. O. Odada). International Geological Correlation Program (IGCP 374) meeting, London, 14 to 15 October 1996.
43. Late Quaternary temporal characteristics in an equatorial high-altitude lake: Sacred Lake, Mount Kenya. Global Environmental Change: Implications for Southern Africa. Regional Conference, 24 to 26 April, 1995. Abstract vol. pp. 104-105.
44. 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, Union Symposium on 'The Regulation of the Planet', European Union of Geosciences, Strasbourg, 9 to 13 April, 1995.
45. Impact of natural long-term variations in atmospheric CO<sub>2</sub> on the East African mountains (with R.A. Perrott, F.A. Street-Perrott, and D.D. Harkness). IDEAL Symposium on the Palaeoclimatology of East African Lakes, Jinja, Uganda, February 1993.
46. 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). Diatom Palaeoecology Conference, Amsterdam, Netherlands, June, 1992.

#### **XIV. Referees**

1. Professor Eric O. Odada Associate Professor of Geology	Department of Geology, University of Nairobi, PO Box 30197, Nairobi, KENYA Tel: 254-2-447740; Fax: 254-2-449539 Email: eodada@uonbi.ac.ke
2. Professor Norbert Opiyo-Akech Associate Professor of Geology	Department of Geology, University of Nairobi, PO Box 30197, Nairobi, KENYA Tel: 254-2-442014/5; Fax: 254-2-449539
3. Professor Shem Wandiga Professor of Chemistry, and, Chairman, KNAS	Department of Chemistry, University of Nairobi, PO Box 30197, Nairobi, KENYA Tel: 254-2-442014/5 Fax: 254-2-449539