

FACULTY CURRICULUM VITAE

Dr. Steve J. Gaciri
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AREA OF EXPERTISE

Geology with specialties in Hydrogeochemistry, Minerals and Rocks; with interests in Environmental isotopes.

EDUCATION

Year	Degree	Major	Institution
1980	PhD	Geology	University of Sheffield, U.K.
1975	MS	Geology	University of Nairobi, Kenya
1970	BSc Honors	Geology	University of Uppsala, Sweden

PROFESSIONAL EXPERIENCE

Begin/End Year	Place of Employment	Rank / Job Title
2013-present	University of North Texas at Dallas Division of Liberal Arts and Life Sciences Dallas, TX	Adjunct Faculty, Geology
2007-2016	DCCCD - Richland, & Eastfield Dallas, TX	Associate Professor
2007-2016	Collin County- SCC, CPC, & PRC Plano, TX	Associate Professor
1992-2005	University of Nairobi Nairobi, Kenya	Professor, Geology
1983-1992	University of Nairobi Nairobi, Kenya	Senior Lecturer, Geology

SCHOLARSHIP

Significant Publications:

2005 J.K. Mulwa, **S.J. Gaciri**, J.O.Barongo, N. Opiyo-Akech and G.K. Kianji Geological and Structural Influence on Groundwater Distribution and Flow in Ngong Area, Kenya. *African Journal of Science and Technology (AJST) Science and Engineering Series Vol.6, No.1, pp.16-26*

2001 **S.J.Gaciri** and P.K.Maritim Geochemistry and Mineralogy of Rocks Eaten by Human Beings (Geophagia) in Kenya. *Submitted to (AJST)*

2001 C.M.Nyamai, N.Opiyo-Akech, **S.J.Gaciri**, Bo Johanson and Y.Sato.Petrography, Mineral

- Chemistry and Thermobarometry of the Neoproterozoic Mozambique Belt Rocks of the Matuu–Masinga Area, Central Kenya. *Geol. Surv. of India Special Publ. No. 75*, pp. 296-316.
- 2000 S.M. Onywere, N. Opiyo-Akech, **S.J. Gaciri** and M.J. de Wit. A methodology for image analysis and land cover classification of Nakuru-Menengai area (Central Rift Valley, Kenya). *African Journal of Science and Technology (AJST)*, Vol. 1, No. 1, pp. 3.
- 2000 C.M. Nyamai, N. Opiyo-Akech, **S.J. Gaciri** and H. Fujimaki. Structures, metamorphism and geochronology of the Mozambique Belt and Intrusive Rocks from Matuu-Masinga Area, Central Kenya. *African Journal of Science and Technology (AJST)*, Vol. 1, No. 1, pp. 47-55.
- 1999 C.M. Nyamai, N. Opiyo-Akech, **S.J. Gaciri** and H. Fujimaki. Geochemistry and Tectonomagmatic Affinities of the Mozambique Belt Intrusive Rocks in the Matuu-Masinga Area, Central Kenya. *Gondwana Research*, Vol. 2, No. 3, pp. 387-399.
- 1998 Wilson M. Ngecu and **Steve J. Gaciri**. Urbanization Impact on the Water Resources Within major Third World Cities: A case study for Nairobi and its environs. *Episodes*, Vol. 21, No. 4, pp. 225-228.
- 1997 J. Michie, J.R. Keller, C. Prodehl, M.A. Khan and **S.J. Gaciri**. A model for the structure, composition and evolution of the Kenya Rift *Tectonophysics* Vol. 278, No. 1-4, pp. 95-120
- 1996 G.B. Barigira and **S.J. Gaciri**. Geochemical characteristics of the Isinya-Konza Gypsum Deposits in the Kaputei Plain - An example of Inland Shabkha a Type of Deposit, Kenya. *Discov. innov* Vol. 8(2), pp. 111-118.
- 1995 Wilson M. Ngecu and **Steve J. Gaciri**. Lithostratigraphic, provenance and facies distribution of Archaean Cratonic successions in Western Kenya. *Journ. Afric. Earth Sciences*, Vol. 21, No. 3, pp. 359-372.
- 1994 J. Mechie, G.R. Keller, C. Prodehl, **S. Gaciri**, L.W. Braile, W.D. Mooney, D. Gajewski and K.J. Sandmeir. Crustal Structure beneath the Kenya Rift from axial profile data. *Tectonophysics* Vol. 236, pp. 179-200.
- 1994 C. Prodehl, J. Mechie, U. Achauer, G.R. Keller, M.A. Khan, W.D. Mooney, **S.J. Gaciri** and J.D. Obel. The KRISP 90 Seismic Experiment - A technical Review. *Tectonophysics* Vol. 236, pp. 33-60.
- 1992 **Gaciri, S.J.** and Davies, T.C. The Occurrence and Geochemistry of Fluoride in some natural waters of Kenya. *Journal of Hydrology* 143 (1993) 395-412.
- 1992 **Gaciri, S.J.** The Lineament Map of Kenya. Correlations of Lineaments to known mapped geological data. Regional Seismological Assembly in Africa, Nairobi (*Extended Abstract*) - *tectonophysics* 209, pp. 139-142
- 1991 **KRISP Working Party**. Large scale variation in Lithospheric structure along and across the Kenya Rift. *Latters of Nature* Vol. 354, pp. 223-227. *Tectonophysics* Vol. 278, No. 1-4, pp. 95-120.
- 1987 **Gaciri, S.J.** and Mailu, G.M. Groundwater Investigations development and use in the Athi River Basin, Kenya. International Conference on the geology of Somalia and surrounding region, Geosom 87, Mogadishu, Somalia (*1st Agron. Oltremare, Firenze, Relaz e Monogr. 113, 711-733, 1993*).

- 1983 Maina, J.W. (Mrs) and **Gaciri, S.J.** Contribution to Hydrogeochemistry of the area North of Nairobi Conservation Area - Kenya. *Journal of African Earth Sciences, Vol. 2., No. 3. pp. 227-232.*
- 1983 **Gaciri,S.J.** Mineral and Groundwater Resources of Arid and Semi-arid Areas of Kenya.*The Kenyan Geographer Special Issue Vol. 5 Nos. 182.*
- 1982 **Gaciri, S.J.** What Walls Weather Well? *Journal of the Institution of Engineers of Kenya . July/August pp. 35-37.*
- 1981 **Gaciri, S.J.** and Ineson, P.R. Hydrogeochemical Pb-Zn-Cu anomalies on the Isle of Man. *I.M.M.Transact. Section b. Vol. 90, pp 120-125.*
- 1975 Nyambok, I.O. and **Gaciri, S.J.** Geology and Fluorite Deposits in Kerio Valley, Kenya. *Econ. Geol. Vol. 70; pp 299-307.*