

OLABISI ONABANJO UNIVERSITY

AGO-IWOYE, NIGERIA

CURRICULUM VITAE

PERSONAL DATA

1. Name: Stephen Oluwafemi **ARIYO**
2. Department: Department of Earth Sciences
3. College/Faculty: Faculty of Science
4. Date & Place of Birth: 14th June, 1965/ Sagamu
5. Nationality: Nigerian
6. Marital status: Married
7. Number of Children: Three (3)
8. Name and address of Spouse: Mrs. Arike Yemisi **ARIYO**
9. Name and address of Next of Kin: Mrs. A.Y. Ariyo and Master Goodness
Ariyo, 4 Egudu Road, Ilaporu-Ijebu,
Ogun State
10. Date of first Appointment with the University: 1st June, 1998
11. Status of First Appointment: Assistant Lecturer ,2/2
12. Present Position and Salary: Lecturer 1, 4/9
13. Date of Last Promotion: 1st October, 2006
14. Date of Confirmation of Appointment: 11th November, 2004
15. If not Confirmed, Why: Not Applicable
16. Period of Present Contract : Not applicable
17. Total number of Years of Teaching and Research
 - (a). Polytechnic/College of Education : Nil
 - (b). University: 16 years
18. Email address: stephen.o.ariyo@oouagoiwoye.edu.ng & soariyo@gmail.com

B. EDUCATIONAL BACKGROUND

1. Academic Qualifications/Institutions Attended with Dates

- i. Ph.D. in Hydrogeophysics, University of Ibadan, 2014
- ii. M.PHIL. in Hydrogeophysics, University of Ibadan, 2005
- iii. M Sc. Mineral Exploration, Geophysics Option, University of Ibadan, 1997
- iv. B.Sc. (Hons.) Geology, University of Ibadan, 1991

2. Current Higher Degree Programme Registered for (if any)-Nil

3. Awards and Distinction: Nil

C. WORK EXPERIENCE

1. Previous work Experience outside the University System: Nil

2. Previous work Experience in Other University:

Ajayi Crowther University, Oyo. One year Sabbatical. I taught the following courses

i. GEY 1101- Introduction to Geology

ii. GEY 3117- Principle of geophysics

iii. GEY 4101- Geotectonic

iv. GEY 4208- Applied Geophysics

and supervised two final year projects/seminars.

3. Detail of Professional Experience at Olabisi Onabanjo University

i. Teaching Function

Undergraduate

Course code	Title	Units
1. GEY 101	Introduction to Geology 1	2
2. GEY 102	Introduction to Geology 11	2
3. GEY 206	Introduction to Geological Mapping	2
4. GEY 312	Well Logging	2
5. GEY 313	Geophysics	2
6. GEY 315	Energy Resources	2
7. GEY 316	Geological Field mapping	4
7. GEY 407	Applied Geophysics	2
8. GEY 410	Marine Geology	2
9. GEY 415	GeoReport Writing	2
10. GNS 103	History and Philosophy of Science	2

Postgraduate

Course code	Title	Units
GEY 826	Exploration Geophysics	3

GEY 827	Seismic and well logging methods	3
GEY 828	Electrical and Radioactivity methods	3
GEY 829	Gravity and Magnetic methods	3
GEY 839	Field school in Geology	3

b. Project/ Seminar supervision: I have supervised more than 50 student's final year undergraduate projects and seminars and presently, I am supervising 4 undergraduate students for projects and seminars.

ii. Research Completed/ On-going

- a. Geoelectrical Characterization of Aquifers and Geochemical study of Groundwater in the Basement complex/Sedimentary Transition zone around Ishara, Southwestern Nigeria. Completed
- b. Hydrogeophysical Investigation of Ishara/Ode-Remo Geological Transition zone, Southwestern Nigeria. Completed
- c. Application of Physicochemical parameters of groundwater to study groundwater flow in Ago-Iwoye and Environs, Southwestern Nigeria. Ongoing

iii. Administrative Functions and Contribution to the University

- 1. Departmental Examination Officer. 1998-2000
- 2. Member, Senate Committee on Examination. 1998-2000
- 3. Departmental Seminar Coordinator. 1998 - 2005., 2012 - date
- 4. Departmental Programme Coordinator (CESAP). 1998-2000, 2005- 2010
- 5. Member of Faculty Seminar Committee. 2000 - 2004.
- 6. Coordinator, Departmental Geophysical and Geotechnical Consultancy, 2006- date.
- 7. Secretary, Faculty Integrated Research Committee. 2006-2010
- 8. Member, CESAP taskforce on school fess. 2006- 2010.
- 9. Chairman, Departmental NUC Accreditation Committee.2010-date
- 10. Field Coordinator. 1998-2000, 2009-2011
- 11. Member Faculty NUC Accreditation committee 2011
- 12. Coordinator, Degree Foundation Programme 2011-2012

13. Faculty Coordinator, General Studies Programme 2011- date
14. Chairman, Departmental Budget/Finance Committee 2011-date
15. Member, Faculty of Science Board of Studies 2011-date
16. Member, GNS board of Studies 2011- date
17. Course Adviser, 300 level 2012-date
18. Faculty Representative to the Board of Basic Medical Sciences 2014
19. Member, Faculty Research and Development Committee 2014
20. Member, Faculty Publication Committee 2014

iv. Contribution to the Nation: I have supervised many undergraduate students in the Department that are working in various establishments within and outside Nigeria and they are contributing immensely to the economic growth of the Nation.

D. MEMBERSHIP OF AND REGISTRATION WITH PROFESSIONAL BODIES

1. Member, Council of Mining Engineers and Geoscientists (**COMEG**)
2. Member, Nigerian Mining and Geosciences Society, (**NMGS**).
3. Member, Nigeria Association of Hydrogeologists, (**NAH**).
4. Member, International Association of Hydrogeologists. (**IAH**)
5. Member, International Association of Hydrogeological Sciences. (**IAHS**)
6. Member, Geoscience InfoRmation in Africa (**GIRAF**)
7. Member, Commission of the International Union of Geological Sciences (**IUGS**)
8. Member, Geological Society of African (**GSAF**)

E. PUBLICATIONS

d. i. Thesis/ Dissertation

Geoelectrical Characterization of Aquifers and Geochemical study of Groundwater in the Basement complex/Sedimentary Transition zone around Ishara, Southwestern Nigeria. M.Phil. University of Ibadan, 137pages, 2005

Hydrogeophysical Investigations Groundwater Potential of Ishara/ Ode-Remo Geological Transition Zone, Southwestern Nigeria. Ph.D. University of Ibadan, 267,2014

iv. Journal Articles

1. **Ariyo, S.O.** (2002). Geophysical investigation of rock contacts. A case study of Iware area of Southwestern Nigeria. Journal of Applied Sciences. 5(3): 2907-2914.
2. **Ariyo, S.O.** (2002). Geophysical investigation of the groundwater potential in Iseyin area, Southwestern Nigeria. Journal of Applied Sciences; 6 (1): 3393-3402.
3. **Ariyo, S.O.,** Oduwole M.O. and Mosuro, G.O.(2003). Hydrogeophysical evaluation of groundwater potentials of Awa-Ijebu, Southwestern Nigeria. Water Resources Journal; 14: 31-36.
4. **Ariyo, S.O.,** Adeyemi, G.O. and Odukoya, A.M.(2005). Geochemical characterization of aquifers in the basement complex-sediment transition zone around Ishara, Southwestern Nigeria. Water Resources Journal;16: 2005: 31-38.
5. **Ariyo, S.O.,** Adeyemi. G.O.,& Ikhane, P.R. (2007). Use of Geoelectric sounding for groundwater exploration around Ijebu-Igbo, Southwestern Nigeria. Journal of Applied Sciences; 10 (2): 7068-7076.
6. **Ariyo, S.O.** and Osinowo, O.O. (2007). Hydro-geophysical investigations for groundwater at Atan/Odosenbora area , Southwestern, Nigeria. Ife Journal of Science; 9 (1): 87-92.
7. **Ariyo, S.O.** and Adeyemi, G.O. (2008) Geophysical and Chemical evaluation of groundwater resources in Fidiwo area of Southwestern Nigeria. African Journal of Pure and Applied Sciences;1(2): 1-6
8. **Ariyo, S.O.** Adeyemi, G.O. and Oyebamiji, A.O. (2009). Electromagnetic VLF survey for groundwater development in a contact terrain. A case study of Ishara-Remo, Southwestern Nigeria. Journal of Applied Sciences Research. 5 (9): 1239-1246

9. **Ariyo, S.O.** and Adeyemi, G.O (2009). Role of Electrical resistivity method for groundwater exploration in hard rock areas. A case study from Fidiwo/Ajebo areas of Southwestern Nigeria. The Pacific Journal of Science and Technology; 10 (1): 483-486.
10. **Ariyo, S.O.** and Adeyemi, G.O. (2010). Groundwater Quality, A case study from Ishara geological Transition zone, Southwestern Nigeria. Journal of Mineral wealth, Greece; Issue 154: 29-40.
11. Akinmosin, A, Omosanya, K.O, **Ariyo, S.O**, Folorunso, A.F, and Aiyoola, S.O (2011). Structural control for bitumen seepages in Imeri, Southwestern Nigeria. International Journal of Basic & Applied Sciences. IJABS-IJENS; 11(1): 61-67
12. **Ariyo, Stephen O**; Folorunso, Adetayo F.; Ajibade O.M. (2011). Geological and geophysical evaluation of the Ajana area's groundwater potential, Southwestern Nigeria. Earth Sciences Research Journal;15 (1): 33-38.
13. **Ariyo, S.O** and Adeyemi, G.O. (2011). Integrated geophysical approach for groundwater exploration in hard rock terrain. A case study from Akaka area of Southwestern Nigeria. International Journal of Advanced Scientific and Technical Research; 1(2): 376-395
14. **Ariyo, S.O** and Adeyemi, G.O (2012). Geoelectrical characterization of aquifers in the Basement complex/Sedimentary Transition zone, Southwestern Nigeria. International Journal of Advanced Scientific Research and Technology; 2 (1): 43-54
15. Folorunso, A.F, Ayolabi, A.A, **Ariyo, S.O** and Oyebanjo, I.O (2012). Fault presence under a falling building complex mapped by electrical resistivity tomography. Mineral wealth Greece; issue 166: 47-55
16. Odukoya, A.M, Laniyan,T.A and **Ariyo, S.O** (2012). Abundances of Nitrates and coliform with regards to Water Quality in some Parts of Ibadan, Southwest Nigeria. OOU African Journal of Pure and Applied Sciences; 2(1): 82-90.
17. Folorunso A.F, Ayolabi, E.A, and **Ariyo, S.O** (2013). Geological Mapping, Petrological study and Structural analysis of Precambrian basement complex rocks in part of Ago-Iwoye, Southwestern Nigeria. International Research Journal of Geology and Mininig;3(1): 19-30.

18. **Ariyo, S.O**, Omosanya, K.O and Oshinloye, B.A. (2013). Electrical resistivity imaging of contaminant zone at Sotubo dumpsite along Sagamu-Ikorodu Road, Southwestern Nigeria. *African Journal of Environmental Science and Technology*; 7(5) :312-320.
19. Laniyan, T.A, Bayewu, O.O and **Ariyo, S.O**. (2013). Heavy Metal Characteristics of Groundwater in Ibadan, Southwestern, Nigeria. *African Journal of Environmental Science and Technology*; 7(7): 641-647.
20. Folorunso Adetayo.F, **Ariyo, Stephen.O** and Ayoola, Elijah.A (2013). Mapping Precambrian Aquifer Architecture in Fracture Hydrogeological Setting with Vertical Electrical Sounding. *Journal of Geography and Geology*; 5 (3): 202-215
21. **Ariyo, S.O** and Adeyemi, G.O (2013).Significant of geology and geophysical investigations in groundwater prospecting. A case study from hard rock terrain of Southwestern Nigeria. *Journal of Environmental Science and Water Resources*; 2 (10): 354-359.
22. Omosanya K.O, **Ariyo S.O**, Kaigama U., Mosuro G.O and Laniyan T.A (2015). An Outcrop evidence for Polycyclic orogenies in the Basement Complex of Southwestern Nigeria. *Journal of Geography and Geology*; Vol. 7 (3) : 25-34
23. N.O. Adebisi, S.O. Ariyo, and P.B. Sotikare, (2016). Electrical resistivity and Geotechnical assessment of subgrade soils in Southwestern part of Nigeria. *Journal of African Earth Sciences* 119(2016) 256-263
24. Ariyo, S.O. and Adeyemi, G.O, (2016). Hydrogeophysical investigation for groundwater potential of Ishara/Ode-Remo geological transition zone, southwestern Nigeria. *Arabian Journal of Geosciences*. Vol. 9 No. 14.

vi. Contribution to Books

1. K.O ,Omosanya, **S.O, Ariyo**, P.R, Ikhane, and T.A,Laniyan, (2011). *Geology of Nigeria (Field trip Guide)*. ISBN 978-178-284-6. 97Pp.
2. K.O,Omosanya, **S.O, Ariyo**, G.O,Mosuro, O.O, Oyebolu, O.O,Bayewu, and N.O,Adebisi, (2011). *Introduction to Geological Field Mapping (Field guide and Notes)*. ISBN 978-178-283-8 62PP

vii. Published Conference Proceedings

- i. **Ariyo, S.O.**, Fasunwon, O.O., Olubomehin, O.O.& Odugbesi, F.T.(2008). Investigation of groundwater prospect using the vertical electrical sounding method at Ishara-Remo. Southwestern Nigeria. Referred Proceeding of conference of the Department of Physics, 2008. Pp 56-59.
- ii. Ayolabi, E.A., Folorunso, A.F., & **Ariyo, S.O.** (2008). 2-D resistivity survey for water supply tube wells in a basement complex. SIHD-2008 Djibouti. Proceeding of Hydrogeology of volcanic rocks conference. Nov. 2008.Djibouti Republic.

F. UNPUBLISHED CONFERENCES ATTENDED WITH DATES AND PAPERS READ

- i. **Ariyo, S.O** and Adeyemi, G.O. (2001). Geophysical survey for groundwater potential in Iware area of southwestern Nigeria. NAH conference, Abeokuta. November 18th- 22nd 2001.
- ii. **Ariyo, S.O.**, Oduwole, M.O, & Mosuro. G.O. (2002). Hydrogeophysical evaluation of groundwater potential of Awa-Ijebu, Southwestern Nigeria. NAH. Conference. kaduna 2002. Nov. 17th-21st 2002.
- iii. **Ariyo, S.O.**, Adeyemi. G.O.& Odukoya, A.M (2004). Geochemical characterization of aquifers in the basement complex/sedimentary transition zone around Ishara, Southwestern Nigeria. NAH conference Kano, 2004. Nov. 18th-22nd
- iv. **Ariyo, S.O.**, Oladunjoye, M.O. & Taiwo, M. (2005). Geoelectric parameters and aquifers properties of Egbe area(Ijebu-Igbo), Southwestern Nigeria. International conference of Nigerian Mining and Geosciences Society. Lagos 2005. March 6th-11th 2005.
- v. **Ariyo, S.O.** and Enikanoselu, E.M. (2006). Integrated use of Geoelectrical imaging and Geochemical analysis in the environmental impact assessment of Egbe dumpsite in Ijebu-Igbo area, Southwestern Nigeria. NAH conference. Asaba 2006. Nov. 26th-1st December, 2006

- vi. **Ariyo, S.O.** and Adeyemi, G.O. (2008). Geoelectrical Characterization of Aquifer in the Basement complex/sedimentary transition zone around Ishara, Southwestern Nigeria. International conference on Groundwater and Climate in Africa. Kampala, Uganda. June 24th -28th, 2008.
- vii. **Ariyo, S.O.**, Adeyemi, G.O., & Oyebamiji, A.O.(2008). Electromagnetic VLF survey for groundwater development in a contact terrain. A case study of Ishara-Remo, Southwestern Nigeria. NAH conference. Ibadan 2008. Nov. 23rd-28th, 2008.
- viii. **Ariyo, S.O** and Adeyemi, G.O. (2010). Integrated geophysical approach for groundwater exploration in hard rock terrain. A case study from Akaka area of Southwestern Nigeria. NAH conference, Abuja 2010.
- ix. **Ariyo, S.O** and Adeyemi, G.O (2012). Hydrogeophysical investigation of Ishara/Ode-Remo/Akaka geological transition zone, Southwestern Nigeria. 48th NMGS international Conference, Eko 2012, March 18-23, 2012
- x. **Ariyo, S.O** and Adeyemi, G.O. (2012). Significance of Geology and Geophysical investigations in groundwater prospecting. A case study from hard rock terrain of southwestern Nigeria. International conference on Groundwater in Fractured rocks. 21-24th May 2012. Prague, Czech Republic.
- xi. . **Ariyo, S.O** and Adeyemi, G.O. (2012). Hydrogeophysical investigation of Ishara/Ode-Remo/Akaka geological transition zone, Southwestern Nigeria. NAH conference, Benin 2012
- xii. **Ariyo, S.O.**, Omosanya, K.O and Oshinloye, B.A (2013). Delineation of contaminant zone through Electrical imaging technique, on sotubo dumpsite along Sagamu-Ikorodu Road,Southwestern Nigeria. Faculty of Science International conference. University of Ibadan. May 13-17th 2013
- xii. **Ariyo, S.O** and Adeyemi, G.O. (2013). Hydrogeophysical Investigations of Ishara/ Ode-Remo Geological Transition Zone, Southwestern Nigeria. 3rd Workshop Geoinformation, Sustainable Mining and Mapping, GIRAF 2013, 23-27 September, 2013, Accra, Ghana