

CURRICULUM VITAE

1 a) **NAME:** Olugbenga Akindeji **OKUNLOLA**

b) **DATE OF BIRTH:** 3rd February 1962

c) **PRESENT POSITION AND DATE:** Professor, since October, 2011

d) **EMPLOYMENT LOCATION:** Department of Geology, University of Ibadan.

II EDUCATION (with dates)

a) Government College Ibadan, Nigeria (1973-1977)

b) University of Ilorin, Nigeria (1978 – 1982)

c) Ahmadu Bello University, Zaria, Nigeria (1988 – 1991)

d) University of Ibadan, Ibadan, Nigeria (1995 – 2001)

III ACADEMIC QUALIFICATION (WITH DATES AND GRANTING BODIES)

a) B. Sc. Hons. Geology, University of Ilorin, August, 1982

b) M.Sc. Geology, Ahmadu Bello University, Zaria, January, 1991

c) PhD Geology, University of Ibadan, May, 2001

IV PROFESSIONAL QUALIFICATIONS AND DIPLOMAS (with dates)

Certificate in Geochemical mapping, January 2009, British Geological Survey, United Kingdom

V SCHOLARSHIPS, FELLOWSHIP AND PRIZES

(a) 1st Prize winner, ELF/NMGS Award for best research paper presentation: Nigerian Mining and Geosciences Society, Conference 2001 and 2014.

b) NMGS/NGSA/OKEZIE price for the best published research work, 2006: Presented by The Nigerian Mining and Geosciences Society, March 2006

c) NMGS/OKEZIE price for the best published research work: Presented by the Nigerian Mining and Geosciences Society, March 2010

d) 3rd prize winner, ELF/NMGS Award for best research paper presentation: Nigerian Mining and Geosciences Society, Conference 2011

VI HONOURS, DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES

- a) Fellow Geological Society of London (GSL)
- b) Fellow, Nigerian Mining and Geosciences Society (NMGS)
- c) Council Member Nigerian Mining and Geosciences Society (2004- date)
- d) Distinguished lectures Programme Chairman (DLP), Nigerian Mining and Geosciences Society, 2004-2005.
- e) Publicity Secretary, Nigerian Mining and Geosciences Society, 2005 - 2008
- f) General Secretary, Nigerian Mining and Geosciences Society-2008- 2011
- g) Vice President, Nigerian Mining and Geosciences Society 2011-2015
- h) President, Nigerian Mining and Geosciences Society 2015 - date
- i) Vice President (Africa) Association of Geoscientist for International Development (AGID) – 2005 till date
- j) Vice President (West Africa) Geological Society of Africa 2009 till date.
- k) Member, Society of Geology Applied to Mineral exploration (SGA)
- l) Council member, International Geoscience Educators Organisation (IGEO)
- m) Member, Nigerian Association of Hydrogeologists
- n) Council of Mining Engineers and Geoscientists (COMEG); Registered Geoscientists (GEM 063)
- o) Member, Society of Economic Geologists

VII DETAILS OF TEACHING EXPERIENCE AT UNIVERSITY LEVEL

12 years teaching experience at the University of Ibadan: April 2002-till date.

COURSES TAUGHT UNITS

- GEY 212 Crystallography and Systematic Mineralogy 2
- GEY 284 Geological maps Interpretation and Field Mapping 3
- GEY 306 Geochronology and Precambrian Geology of Africa 2
- GEY 312 Optics and Determinative Mineralogy 2
- GEY 337 Geochemistry 2
- GEY 384 Mapping and Industrial Techniques in Geology 2
- GEY 424 Igneous Petrology 2
- GEY 437 Applied Geochemistry and Isotope 2
- GEY 484 Field Geology of Nigeria 2
- GEY 486 Seminar in Geology 2
- GEY 488 Project in Geology 6

GEY 715 Mineral Prospecting and Exploration 2

GEY 780 Post Graduate Seminar in Geology 3

GEY716 Ore deposits 2

GEY717 Ore mineralogy 2

GEY 781 Field School in Mineral Exploration 2

GEY 786 Research Project in Geology 6

UNDERGRADUATE PROJECT SUPERVISION

Already Supervised 33

Under Supervision 6

POST GRADUATE PROJECT SUPERVISION

Already Supervised 15

Under Supervision 4

RESEARCH STUDENT /PHD SUPERVISION

Under Supervision 2

VIII) ADMINISTRATIVE RESPONSIBILITIES

a) Departmental Undergraduate Coordinator 2003-2007

b) Departmental Examinations Coordinator 2003-2007

c) Chairman, Field work/Industrial training Committee 2006 till date

d) Member, Departmental Finance Committee 2003-2006

E) MEMBER, FACULTY OF SCIENCE JUNIOR STAFF APPOINTMENT AND PROMOTION COMMITTEE
(2008-2009)

IX) Other Working/Professional Experience

a) 1983 – 1989: Mining Geologist, Geological Survey of Nigeria.

- b) 1989 – 1994: Senior Mining Geologist, Geological Survey of Nigeria.
- c) 1994 – 1998: Principal Mining Geologist, Geological Survey of Nigeria.
- d) 1998 – 2001: Assistant Chief Geologist, Geological Survey of Nigeria.
- e) 2001 – 2002: Chief Geologist, Geological Survey of Nigeria.
- f) 2006-2009: Special Adviser to the Director General, Nigerian Geological Survey Agency

X) JOBS EXPERIENCE AT THE GEOLOGICAL SURVEY OF NIGERIA BETWEEN 1983-2002

- (1) Geological Mapping and orientation mineral investigations of 1:100,000 sheet (Koton Karfe)
- (2) Geological Mapping and mineral investigation of 1:100,000 sheet 181 (Jama'a) Nigeria
- (3) Phosphate exploration Sokoto basin Nigeria.
- (4) Gemstone exploration Jemaa, Central Nigeria.
- (5) Oil well core logging Chad basin, Nigeria.
- (6) Engineering Geological Investigations of the Jebba bridges.
- (7) Tin-Tantalum investigation Jemma, Central Nigeria.
- (8) Site investigation studies involving structural and geotechnical studies at Pankshin, Plateau State, Nigeria.
- (9) Investigation of rock slides, slope failures and explosive exfoliation peeling phenomenon at Nandu Hills, Central Nigeria.
- (10) Site investigations, Geological, hydrological Studies at the Federal University of Technology Yola. Permanent site.
- (11) Exploration for polymetallic mineralization at Jibiya, North Western Nigeria.
- 12) Compilation of Geological and mineral maps of Kaduna and Katsina State.
- 13) Supervision and training of junior geologists in general mapping and mineral exploration techniques.
- 14) Sillimanite exploration Olode area, near Ibadan Oyo State. Nigeria.
- 15). Gemstone occurrence investigation Olode area, Oyo State. Nigeria.
- 16) Pegmatite, Gemstone, rare metal Ta-Nb-Sn investigations Komu, Oyo State. Nigeria.
- (17) Tantalite-Niobium-Tin mineralization, Keffi area, Nasarawa State Nigeria (NIMAMOP Project).
- (18) Tantalite mineralization investigation Nasarawa State Nigeria (NIMAMOP Project).
- 19) Tantalite mineralization investigation, Lema, Kwara State Nigeria

XI) RESEARCH

The economic mineral resources of a nation have over the years formed major economic backbone of such countries. The level of industrialization of a nation depends to a very large extent on its mineral endowments. The application of geological principles in the discovery, characterization, evaluation and genesis of these deposits is therefore the basic fulcrum for evaluation of these mineral endowments.

The recent resurgence of interest in the solid minerals sector of the Nigerian economy is a major impetus for research into the nation's economic mineral endowment in relation to Global Perspectives.

The Research Focus has been on the understanding of compositional features, petrogenesis of basement complex and sedimentary hosted ore deposits and industrial minerals and their lithological associations. Also, the compositional and petrogenetic features of the host rocks comprising gneisses, migmatites, quartzites, schists, Older granites, pegmatites and secondary rocks such as amphibolites, banded Iron Formation are foci of the research.

This research efforts have thus led to evaluation of ores of rare metals -tantalite, tin, columbite and wolframite within the pegmatite, often associated with meta sedimentary, meta volcanic and rocks. Industrial minerals which are as a result of hydrothermal, epigenetic or residual weathering processes such as Clays, Gypsum, and Phosphate brine salts have also been studied.

Recent research efforts are also geared towards using inorganic geochemical methods to characterize Nigeria's sedimentary basin and evaluate their lithologic successions for industrial raw materials.

a) Completed

- i) Compositional features of amphibolites of Burum area
- ii) Petrogenesis of Meta sedimentary rocks of Lokoja – Jakura Schist belt
- iii) Process test work for recovery of tantalite – columbite concentrates of Nasarawa area central Nigeria.
- iv) Compositional features and industrial appraisal of Baba Ode talc deposits.
- v) Rare metals potentials of Nigeria.
- vi) Synoptic survey of some alternate industrial usage of Nigerian Carbonate deposits.
- vii) Agrogeological studies of phosphate, limestone and gypsum occurrence in the Dahomey Basin
- viii) Industrial appraisal of Marble deposits
- ix) Prospects for investment in mineral resources of Southwestern Nigeria.
- x) Geochemical evaluation of rare metal Ta-Nb pegmatites of Nigeria.
- (xi) Metallogeny of Precambrian pegmatites of Nigeria.
- xii) Compositional features of Rare metal pegmatites of Lema – Share area
- xiii) Trends of rare metal mineralization of Ada – Aramoko – Ijero area.
- xiv) Evaluation of Sepeteri Tantalum deposit
- xv) Composition and Industrial appraisal of Itakpe clay deposit.
- xvi) Petrogenetic studies of metasedimentary belts of south west Nigeria around the Okemesi fold belt and Esie areas

b) In Progress

- 1 Compositional and Industrial assessment of Ijero Kaolinitic Clay Occurrences, southwestern Nigeria.

This study which started in 2007/08 session is aimed at studying the clay occurrences around Ijero area with a view to assess their suitability as industrial raw materials for ceramics, glass, brick and

refractory industry. The study will involve systematic geological mapping, the determination of mineralogical, chemical and geotechnical properties of these clay occurrences.

2 Geochemical features and mineralization potentials of pegmatite hosted Mineralisation around, in Ijero area, southwestern Nigeria.

Regional geological mapping on varied scales have revealed the existence and occurrence of Pegmatite bodies around Ijero area. Pegmatites are known to host a variety of secondary mineralization including metallic and industrial minerals. This on going research focuses on the compositional characteristics and genesis of these bodies. The rare metal potentials especially in relation to Ta-Nb Mineralisation will be studied. The results are expected to reveal possible potentials of economic mineralization ,extent and resource of the associated mineralization.

3 Assessment of shale deposits in Nigeria's sedimentary basins as raw materials in Industry.

Shales have been established through many studies of the Nigerian inland sedimentary basin, to be a major rock unit of these basins. Shales which are essential composed of clayey minerals have also been known to be a veritable industrial raw material for ceramics, refractory, and cement industries. However as abundant as this lithologic unit is, it has not been assessed for its raw materials potentials. Hitherto, most studies have been on its hydrocarbon source rock potentials. This ongoing research is therefore focusing on shale sequences of the Dahomey basin, southwestern Nigeria, Bida basin, central Nigeria and Sokoto Basin, northwestern Nigeria with a view to assess their suitabilities for industries.

4 Inorganic geochemical studies of shale and claystones of Nigeria's Inland basins

Most of the studies on the geochemical characterization of shale strata of Sedimentary basins of Nigeria have focused mainly on the organic aspects. This research effort therefore concentrates on using inorganic geochemical features mainly, major, trace, and rare earth elements to elucidate the provenance, tectonics and depositional features, history and diagenetic characteristics of the shale sequences of Mid Niger basin, Sokoto basin and Dahomey basin of Nigeria.

5 Platinum Group Elements (PGE) mineralization potential in Nigeria's ultramafic complex

There has not been a record of a systematic search for occurrence of Platinum Group Elements PGE in Nigeria. PGE are one of the most valuable metallic elements with specialized and strategic usage in industry. They belong to the group referred to as precious metals. There has not been any previous systematic search for this group of elements in Nigeria. This ongoing research effort seeks to study the Nigeria's ultramafic belts, especially concentrating on the suture zones of the Nigeria's transcurrent fault system mainly in the western half of Nigeria. This is with a view to elucidate their PGE composition.

C) DISSERTATION AND THESIS

1) Geology and Engineering Geological Characterization from Jebba B.Sc Dissertation University of Ilorin, Nigeria. 1982, 81p.

2 Geology, heavy mineral and geochemical surveys for Sn – Ta mineralization in Jemma sheet 188 SE. M.Sc. Thesis Ahmadu Bello University Zaria, Nigeria. 1991, 100p.

3. Geological and Compositional investigation of Precambrian Marble bodies around Burum and Jakura areas, Central Nigeria. PhD Thesis, 2001

XII) PUBLICATIONS:

a) BOOKS ALREADY PUBLISHED:

- 1). Oluyide, P.O. and **Okunlola, O.A.** 2007. An integrated approach to the study of mineralization in Jibiya area, of Katsina state, Nigeria. **Occasional publication No11, Nigerian Geological Survey Agency, Federal Ministry of Mines and Steel Development publication 81p. ISBN: 978-30187-1-X**
- 2 **Okunlola, O.A.** Ayoade, E.A., and Oluyide, P.O. 2011. Geology of Shaki area. **Explanation of 1: 250,000 Sheet 49. Bulletin 45. Nigerian Geological Survey Agency, Federal Ministry of Mines and Steel Development. 148p. ISBN: 978-978-088-472-7**

b) CHAPTERS IN BOOKS ALREADY PUBLISHED:

3. Elueze, A.A. and **Okunlola, O. A.**, 2003. Industrial projects in non metallic minerals in Southwestern Nigeria. 2003. In A.A. Elueze (ed) **Prospects for investment in mineral resources of Southwestern Nigeria. Nigerian Mining and Geosciences Society publication. 27–39.**
- 4) Elueze, A. A. and **Okunlola, O.A.**, 2003. Potential for rock polishing enterprises in Southwestern Nigeria. In A. A. Elueze (Ed). **Prospects for Investment in Mineral resources of Southwestern Nigeria. 55 – 59. Nigerian Mining and Geosciences Society publication.**
5. **Okunlola, O. A.** and Ogedengbe, O., 2003. Investment potential of gemstone occurrence in Southwestern Nigeria. In A.A. Elueze (Ed) **Prospects for investments in mineral resources of Southwestern Nigeria. Nigerian Mining and Geosciences Society Publication. 41-47**
6. **Okunlola O.A.** and Owoyemi K.A. 2011: Compositional Characteristics of Geophagic clays in parts of southern Nigeria. Book of proceedings. **1st International Conference on clays in Africa and 2nd conference on geophagic clays in South Africa pp290-305.**
7. **Okunlola.O.A** 2015: Geochemistry of Geophagic clays of Africa 2015 **Geophagia in Africa eds G.E Ekose. Lambert Academic Publishing, Germany.**
8. Ezoura E., Scheinder G., Nassir E., Hassana N.R., Abdulrahname B., Abdelmajid N., Noeman .V., Allan .M., Vasconcenlos .L., Costa .L., Al-wosabi .M., Alsubhary .A., Mabunton Nguru .P., **Okunlola .O.A.**, Hellum S., Andrianaus .L., Soby S., Beatrice .K., Garby .M., Mohsen H., Anki .F., Tee .J., Lattreche K., Omulo .M., Bohrowsky .P. 2015: Geoheritage and Geoparks in Africa and Middle East: challenges and perspective. Erraimi et al eds from **Geoheritage to Geoparks. Geoheritage, Geoparks, Geotourism, Springer International Publishing. Switzerland 2015**

c) ARTICLES IN REFEREED/EDITED CONFERENCE PROCEEDINGS

- 9). **Okunlola, O. A.** 1993 Geochemical Anomalies as potential hazards instigators, perspective for a regional appraisal in Nigeria In: M. E. Offodile K. M. Onuoha (eds) Natural and Manmade hazards. **Proceedings of international workshop on Natural and Man made Hazards. 183 – 197.**
- 10)Oluyide, P. O. and **Okunlola, O. A.** 1993 Hill slope wash and rock avalanche on Nandu area Gwantu district Jemaa L.G.A. Kaduna. In: M. E. Offodile and K. M. Onuoha (eds). Natural and Man made hazards. **Proceedings of international workshop on Natural and Man Made Hazards. 199 – 213.**
- 11) **Okunlola, O. A.**, 1995 A synoptic survey of some alternate industrial usages of Nigerian Carbonate Deposits. In: **E. O. Damisa (ed) Coll. of Engineering Conf. Series 2: 143 – 150.**

12) Okunlola, O. A. 1998: Specialty metal Potential of Nigeria. In: **Uche, J., Ohiwherei F. and Bassey E. (eds) Proceedings first mining in Nigeria conf. Fed. Ministry of Solid Minerals Nigeria publication. 67-90.**

13) Okunlola O.A and Omitogun A. 2014 Inventory and environmental effects of active and abandoned artisanal mining sites of rare metals and gold mineralization in parts of Southwestern Nigeria. **Proceedings of the closing workshop of the IGCP /SIDA projects 594 and 606 Prague, Czech Republic, May 26-28 2014 pp155-159**

PATENT: Nil

d) ARTICLES THAT HAVE APPEARED IN LEARNED JOURNALS:

14) Okunlola, O. A. and Ocan, O.O., 2002. The expected environmental impact and mitigation studies of organized mining of rare metal (Ta-Sn-Nb) pegmatites around Keffi area, Central Nigeria. **Journal of Environmental Extension 3: 64-68**

15) Elueze, A.A. and Okunlola, O.A., 2003 Petrochemical and Petrogenetic Characteristics of metasedimentary rocks of Lokoja – Jakura Schist belt Central Nigeria. **Journal of Mining and Geology 39.1: 21 – 28.**

16). A. Okunlola and P. A. King. 2003. Process test work for the recovery of tantalite-columbite concentrates from rare metal bearing pegmatites of Nasarawa area central Nigeria. **Global Journal of Geological Sciences 1.1: 95-103.**

17) Okunlola, O.A., Ogedengbe, O. and Ojutalayo, A., 2003. Compositional features and industrial appraisal of the Baba Ode talc occurrence, south western Nigeria. **Global Journal of Geological sciences 1:1: 63-72.**

18) Elueze, A.A. and Okunlola, O. A., 2003. Geochemical features, petrogenetic affinity of Precambrian amphibolites of Burum area, central Nigeria. **Journal of Mining and Geology 39.2: 1 – 9.**

19) Abimbola A. F., Ojo A. M., Okunlola O. A. and Oguntoyinbo F. I. 2002. Agrogeological studies of limestone, phosphate, gypsum occurrences in the Dahomey Basin, SW Nigeria in relation to soil acidity amelioration. **Nigerian Journal of Science 36.2: 119-128.**

20) Elueze, A.A. and Okunlola, O. A., 2003. Compositional features and industrial appraisal of metamorphosed carbonate rocks of Burum-Jakura Area, central Nigeria. **Mineral Wealth 128: 41-54.**

21) Okunlola, O. A. 2005. Metallogeny of tantalum–niobium Mineralization of Precambrian pegmatites of Nigeria. **Mineral Wealth 137/2005:38-50.**

22) Okunlola, O.A. and Ududo, O. B. 2005 Geological setting, Petrochemical features and age of rare metal mineralization of Pegmatites of Komu area South western Nigeria. **UNESCO –ANSTI African Journal of Science and Technology Engineering Series 7.1: 96-110.**

23) Okunlola, O. A. and Soetan, O. 2006. Geoenvironmental assessment of surface water and stream sediments in the area around iron ore mining site of Itakpe Okene, Central Nigeria. **Mineral Wealth 141/2006: 27-35.**

24) Okunlola, O. A., Akintola, A. I. and Egbeyemi, R.O. 2006. Compositional features Petrogenetic affinity of Precambrian amphibole – Schist of Sepeteri Area – Southwestern Nigeria. **Global Journal of Geological Sciences 4.2. 199-207**

25) Okunlola, O. A. and Somorin, E. B. 2006. Compositional features of Precambrian Pegmatites of Itakpe Area, Central Nigeria. **Global Journal of Geological Sciences 4.2: 2006.**

- 26). Tijani, M.N., **Okunlola, O.A.** and Abimbola, A.F., 2006. Lithogenic Concentrations of trace metals in soils and saprolites over crystalline basement rocks: A case study from SW Nigeria. **Journal of African Earth Sciences** 46: 427-438.
- 27) **Okunlola, O.A.** and Jimba, S. 2006. Compositional trends in relation to Ta-Nb mineralization in Precambrian pegmatites of Aramoko –Ara – Ijero area, Southwestern Nigeria. **Journal of Mining and Geology** 42.2: 113-126.
- 28). **Okunlola, O. A.** and Anikulapo, F.A. 2006. Compositional characteristics and industrial qualities of talcose rock of Erin Omu area, south western Nigeria. **Journal of Mining and Geology** 42.2: 105-112.
- 29) **Okunlola, O.A.**, Oladunjoye, M.A. and Osinowo, O. 2007. The geological setting and integrated geophysical investigation for Pb-Zn Mineralisation at Izom, Central Nigeria. **European Journal of Scientific Research** 18:3. 269-388
- 30) Tijani, M.N., **Okunlola, O.A.**, and Ikpe, E.U. 2007. Geochemical assessment of water and bottom sediments contaminations of Eleyele lake catchment, Ibadan. Southwestern Nigeria. **European journal of Scientific Research** 19:1.105-120
- 31) **Okunlola, O.A.**, and Akintola, A.I., 2007 Geochemical features and rare metal (Ta-Nb) potentials of Precambrian pegmatites of Sepeteri area, Southwestern Nigeria. **Ife Journal of Science** 9:2:203-214
- 32) **Okunlola, O.A.**, Akintola, A.I., and Egbeyemi, R.O., 2007 Geological setting, petrochemistry and petrogenetic affinity of Precambrian amphibolite of Iema Ndeji area, Central Nigeria. **Mineral wealth** 144/2007: 47-55
- 33) **Okunlola, O.A.**, 2008 Compositional characteristics and functional industrial application of Itakpe clay occurrence, Central Nigeria. **European Journal of scientific research** 19:3. 453-461
- 34) **Okunlola, O.A** and Akintola, A.I., 2008 Compositional features and rare metal Ta-Nb potentials of Precambrian pegmatite of Lema-Ndeji area Central Nigeria. **Mineral Wealth** 149/2008 pp 43-53
- 35) Elueze, A.A., Kehinde-Phillips, O.O., and **Okunlola, O.A.**, 2008 Geochemical and petrogenetic trends of syenite and charnockitic rock of Oke Iho and Osuntedo areas , Southwestern Nigeria. **Journal of Mining and Geology Vol.44 (1) pp21-35**
- 36) **Okunlola, O.A.** and Oyedokun, O.M., 2009 Compositional trends and rare metal (Ta-Nb) mineralization potential of pegmatite and associated lithologies of Igbeti area, Southwestern Nigeria.. **RMZ Materials and Geoenvironment. Vol 56 no.1 p38-53**
- 37) **Okunlola, O.A.** and Ocan O.O., 2009 Rare metal (Ta-Sn-Li- Be) distribution in Precambrian Pegmatites of Keffi area, Central Nigeria. **Nature and Science ;7(7) pp90-99**
- 38) Olorunfemi, A.O., Olarewaju, V O. **Okunlola, O.A.**, and Adesiyun, T.A., 2009 Compositional features and industrial appraisal of talcose rocks of Esie area, Southwestern Nigeria. **Mineral wealth** 150/2009: 33-42
- 39) **Okunlola, O.A.** and Okoroafor R.E., 2009 Geochemical and petrogenetic features of schistose rocks of the Okemesi fold belt, Southwestern Nigeria. **RMZ Materials and Geoenvironment Vol 56, No2, pp148-162**
- 40) **Okunlola, O.A.**, Adeigbe, O.C., and Oluwatoke, O.O., 2009 Compositional and petrogenetic features of schistose rocks of Ibadan area. **Earth Science Research Journal formerly (GEOFISICA COLUMBIANA) Vol.13 No2, 29-43**

- 41) Olorunfemi A.O, Olarewaju,V.O., and **Okunlola,O.A.**, 2010 Petrochemistry and genetic indicators of talcose rocks of Esie area, Southwestern Nigeria. **RMZ- Materials and Geo environment. Vol.57 No3 pp363-386**
- 42) **Okunlola,O.A** and Akinola O.2010 Petrochemical characteristics of Precambrian rare metal pegmatite of Oke Asa area, Southwestern Nigeria: Implication for Ta-Nb mineralization .**RMZ- Materials and Geo environment Vol .57 No. 4 525-538**
- 43) **Okunlola,O.A.**, and P.O.Oluyide 2009. Physicochemical features and industrial appraisal of Nahuta Clay deposit, Northwestern Nigeria. **Records of Nigerian Geological Survey Vol 12**
- 44) **Okunlola O.A.**, and P.O.Oluyide, 2009. Lithostructural, compositional features and industrial potential of Precambrian carbonate deposits of the Federal Capital Territory, Nigeria. **Records of Nigerian Geological Survey Agency. Vol.12**
- 45) **Okunlola,O.A.** and A.A. Sosanya 2011 Functional industrial appraisal of Shale deposits of Dahomey basin, Southwestern Nigeria. **Mineral Wealth 161/2011 p33-42**
- 46) **Okunlola O.A.** Akinola, O.A and Olorunfemi A.O., 2011. Petrochemical characteristics and industrial features of talcose rocks in Ijero Area, Southwestern Nigeria. **Ife Journal of Science .Vol. 13 No 2**
- 47) Akintola,A.I., Omosanya,K.O., Ajibade. O.M, **Okunlola, O.A.**, Kehinde- Philips O.O. 2011 Petrographic evaluation of Precambrian Pegmatites of Awo area, Southwestern Nigeria. **International Journal of basic and applied sciences IJBAS-IJENS vol 11 No 4**
- 48) Lapworth, D.J., knights, K.V., key, R.M., Johnson. C.C., Ayoade, E., Adekanmi M.A., Arisekola T.M. **Okunlola O.A.**, Backman, B., Eklund M., Everett P.A., Lister T.R., Ridgway., Watts J.M., Kemp S.J., Pitfield E.J.,2012: Geochemical mapping using stream sediments in west central Africa: Implications for environmental studies and mineral exploration in West Africa. **Applied Geochemistry, Elsevier, Vol 27. 1035-1052**
- 49) Akintola A.I., Ikhane P.R., **Okunlola,O.A.**, Akintola G.O., Oyebolu O.O., 2012: Compositional features of Precambrian pegmatites of Ago Iwoye area, Southwestern Nigeria. 2012. **Journal of Ecology and Natural Environment Vol 4(3) pp71-87**
- 50) **Okunlola,O.A** and Idowu ,O. 2012 The Geochemistry of claystone-shale deposits from the Maastrichian Patti Formation, Southern Bida Basin. **Earth Sciences Research Journal Vol. 16 No 2, pp 57-67**
- 51) **Okunlola,O.A.** and Akinola,O.A 2012 Physicochemical characteristic and industrial potentials of in situ clay occurrence around Ijero Ekiti area Southwestern Nigeria. **Journal of Science Research Vol. 11(1): 99-100**
- 52) Tubosun,I.A., Tchokossa,P., **Okunlola,O.A**, Balogun,F.A., Fasasi, M.K., Ekhaeyemhe. 2013. Natural radioactivity associated with mining of rare metal pegmatite of Oke-Ogun field, Sepeteri, Southwestern Nigeria. 2013. **International Journal of Science and Technology. Vol 3 (10). Pp 350-356.**
- 53) Tubosun,I.A., Tchokossa,P., Balogun,F.O., **Okunlola,O.A.**, Owoade,L.A., and Adesanmi,C.A. 2014 Measurement of radiation exposure due to natural radionuclides in gemstone mining area in Olode, Ibadan, Southwestern Nigeria. 2014. **British Journal of Applied Science and Technology. Vol. 4(18). pp 2620-2630.**

54) Okunlola, O. A. and Egbulem .C. 2015: Geological setting, compositional and economic appraisal of clay shale occurrence in the Itu-Mbonuso/Iwere area, Southeastern Nigeria. **Journal of Geophagy and Geology, vol. 7: no 1**

55) Okunlola, O. A. and Afolabi .A.A. 2015: Geochemical characteristics and quality of groundwater around Okemesi fold belt, Southwestern Nigeria. **Environment and natural resources research vol 5, No 1.CCSE Canada**

56). Okunlola, O. A. and Owoyemi K.A. 2015: Compositional characteristics of Geophagic clays of parts of southwestern Nigeria. **Earth Sciences Research Vol. 4 No 2. Canadian Center of Science and Education Canada**

57) Okunlola,O.A and Muritala, H. 2015 Geological setting, compositional features and economic evaluation of marble deposits around Alaguntan, southwestern Nigeria **MATERIALI in GEOOKOLJE . RMZ -Materials and Geoenvironment. Vol.62 No.3 Slovakia**

PUBLISHED MONOGRAPHS/TECHNICAL REPORTS:

58) Elueze A.A., Bolarinwa A.T., Nton M.E, **Okunlola O.A**, 2002: Report on the Preliminary Investigation of alleged earth tremors in Odo-Ona Elewe, Ibadan. National Technical Committee on Earthquake Phenomenon, Federal Ministry of Science and Technology Abuja, 6p

59) Elueze A.A., Gbadegesin A.S, Abimbola A.F, **Okunlola O.A**, Bolarinwa A.T., Nton M.E,Ehinola O.A, Adeigbe O.C, Oladunjoye M.A 2005: Identifying the roles of local communities including women and child labour in the development of artisanal and small scale mining in Africa (Africa Mining Partnership project prepared by Nigeria, Mali and Ethiopia) **Report, Nigerian Geological Survey Agency. Ministry of Solid Minerals Development, Abuja, 42pp**

60) Okunlola, O. A. 2005. Tantalum prospects in Southwestern Nigeria. **Mineral Prospect Series. MPS/01/Jan 05. Nigerian Geological Survey Agency Publication. 5p.**

61) OKUNLOLA, O. A. 2005. GEMSTONE PROSPECTS IN SOUTHWESTERN NIGERIA. GEOLOGICAL SURVEY OF NIGERIA. MINERAL PROSPECT SERIES, MPS/02/JAN 05. NIGERIAN GEOLOGICAL SURVEY AGENCY PUBLICATION 5P

62) Elueze A.A., Oshin O., Abimbola A.F, Bolarinwa A.T., **Okunlola O.A**, Nton M.E,2006: Field training manual in gold and pegmatite exploration in Ilesha area. **Nigerian Geological Survey Agency. Ministry of Solid Minerals Development, Abuja, 42pp**

XII MAJOR CONFERENCES, ATTENDED WITH PAPERS READ

a) Selected International Conferences since 2005:

1) International Geological Congress, Florence, Italy (2005).

Paper presented: Metallogeny of Tantalum Niobium mineralization of Precambrian pegmatites of Nigeria

2) International Geological Congress, Oslo, Norway (2008)

Paper presented: Deformation and Mineralization in the Basement Complex of Nigeria

3) 23rd colloquium of African Geology. Geological Society of Africa, Hammamet, Tunisia. (2008)

Paper presented: Level of Geoscience awareness in Nigeria: A preliminary survey.

4) Geoscience and Development Conference, Dhaka, Bangladesh, 2009

b) Selected Local Conferences since 2005

1) 41st Nigerian Mining and Geosciences Society Annual Conference Lagos. (2005).

Paper presented: Tijani, M.N., Okunlola, O.A., and Abimbola A.F. Lithogenic concentrations of trace metals in soils and saprolites over crystalline basement rocks: A case study from southwestern Nigeria.

2) 42nd Nigerian Mining and Geosciences Society Annual Conference, Kaduna. (2006)

Paper presented: Okunlola, O.A., and Udo Udo O., Geological setting and Age of rare metal Mineralisation of the pegmatite of Komu area, southwestern

3) 44th Nigerian Mining and Geosciences Society Annual Conference, Owerri. (2009)

Paper presented: Okunlola, O.A., Compositional Characteristics and industrial potentials of Itakpe clay occurrence

4) 45th Nigerian Mining and Geosciences Society Annual Conference, Calabar, (2010)

Paper presented: Okunlola, O.A. and Sosanya, A. Compositional characteristics and industrial potentials of Shales of Dahomey Basin, southwestern Nigeria.

5) 46th Nigerian Mining and Geosciences Society Annual international Conference Minna, (2011)

Paper Presented: Okunlola, O.A. and Akinola, A. Petrochemical characteristics of the Precambrian rare metal pegmatite of Oke Asa Area, southwestern Nigeria. : Implication for Ta-Nb mineralization