**Abridged Curriculum Vitae of Prof. S.K.Y Gawu (PhD)**

###### PERSONAL DATA

1. Name : GAWU, Simon Kafui Yawo
2. Nationality at Birth : Ghanaian
3. Gender : Male
4. Contact Address : Geological Engineering Department, College of Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.
5. Email: [skygawu@yahoo.com](mailto:skygawu@yahoo.com) or [skygawu.coe@knust.edu.gh](mailto:skygawu.coe@knust.edu.gh)
6. Telephone : +233244067804 or +233204607804 or +233(0)3220-60156
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**SUMMARY OF WORK EXPERIENCE**

**[2014 to date] Associate Professor:** Geological Engineering Department, Kwame NkrumahUniversity of Science and Technology, Kumasi, Ghana.

**[2004 to 2013] Senior Research Fellow:** Kwame NkrumahUniversity of Science and Technology, Geological Engineering Department, Kumasi, Ghana.

**[1993 to 2003] Research Fellow:** Kwame NkrumahUniversity of Science and Technology, Geological Engineering Department, Kumasi, Ghana.

**[1987 – 1990] Exploration Geologist:** Delta Mines, Ghana.

**[1984 – 1987] Teaching Assistant:** Geological Engineering Department, Institute of Mining and Mineral Engineering, Kwame NkrumahUniversity of Science and Technology, Kumasi, Ghana.

# EDUCATIONAL QUALIFICATIONS

1. 2004: PhD, Civil and Environmental Engineering, University of the Witwatersrand, South Africa.
2. 1993: MPhil, Mineral Exploration, Kwame NkrumahUniversity of Science and Technology, Kumasi.
3. 1984: BSc Honours, Geology with Mathematics, University of Ghana, Legon, Ghana.

# UNPUBLISHED WORK

1. Characterizing high-density thickened tailings for safe environmental surface placement, ***PhD Thesis***
2. Ore petrology and geochemistry of the Ichiniso bauxite deposit, Awaso, Ghana, ***MPhil Thesis***
3. The geology of Atimpoku-Aimaso area, ***BSc (Hons) Dissertation***

# ACADEMIC ADMINISTRATION POSITION

**Vice Dean**, Faculty of Civil and Geo-Engineering, College of Engineering, Kwame NkrumahUniversity of Science and Technology, Kumasi, Ghana [February, 2016 – July 31, 2017].

**Head,** Department of Geological Engineering,Kwame NkrumahUniversity of Science and Technology, Kumasi, Ghana.

# OTHER PROFESSIONAL EXPERIENCE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DATE | | THEME | | HOST / PLACE |
| August 8, 2016 –July 31, 2018 | | Academic Board Representative, Radford University College | | KNUST |
| August 17 – 20, 2015 | | Participant, Sustainable Development of Tertiary Institutions in Ghana amidst Economic and Security Challenges | | College of Science Auditorium, KNUST |
| August 6 – 7, 2015 | | Participant, 1st International Conference on Engineering, Science, Technology and Entrepreneurship. | | IDL Conference centre, Kumasi. Ghana. |
| April 2, 2014 | | Participant, Workshop on Academic Mentorship | | College of Science Auditorium, KNUST |
| July 02-05, 2013 | | Participant, 10th College of Engineering Research Retreat (CERR 10) on Engineering and sustainable environment for improved quality of life | | Elmina, Ghana |
| November 18 – 20, 2013 | | Participant, 2nd African Regional Geosynthetics Conference on “Geosynthetics for Sustainable Development” | | Accra International Conference Centre, Accra |
| August 20 – 21, 2013 | | Participant, Forum on the Geology of South West Ghana | | Eusbett Hotel, Sunyani |
| January 13, 2013 | | Participant, African Network of Earth Science Institutions (ANESI) launch during a colloquium of African Geology | | Addis Ababa, Ethopia |
| November 19 – 21, 2012 | | Participant, Short course on “Management of Large Volume Waste in Mining” | | Zambia |
| September 24, 2012 – October 6, 2012 | | Participant, Mine Closure Study Tour and Conference | | Perth, Australia |
| June 27 – 30, 2012 | | 2nd IGCP/SIDA/UNESCO/UNIVEN/KNUST/PROJECT 606 WORKSHOP: International Workshop on Small-scale Mining: “The Quest for Pragmatic Solutions to Complex Environmental Health Problems of Small-scale Mining” | | Noda Hotel, Kumasi |
| April 1, 2012 – July, 2016 | | Moderator for BSc Geology and Environmental Studies programmes | | Radford University College |
| November, 29th 2011. | | Member, Accreditation of Modular Graduate programme in Earth Science (*Mineral Exploration Option*). | | University of Ghana, Legon. |
| March 14 -15, 2011 | | International Policy Conference: on “Competiveness and Diversification: Strategic Challenges in a Petroleum-rich Country” | | Accra, Ghana. |
| February 17 – 18, 2011 | | First Jubilee Oil Colloquium for celebrating with caution Ghana’s oil and gas prospects | | College of Engineering, Kwame Nkrumah University of Science and Technology, Kumasi. |
| 5 May, 2010 | | Mining Sector Support Conference and Exhibition | | International Conference Centre, Accra |
| 22 October, 2009 | | Workshop on Mining Cadastre Implementation in Ghana | | Mineral Commission/Jaria Hotel, Accra |
| 20 August, 2009 | | 3rd Ghana Seminar on “University Research, Change and Innovation for Development” | | Kwame NkrumahUniversity of Science and Technology, Kumasi. Ghana. |
| 2007 - present | | External examiner, MSc (Geological Engineering) programme. | | University of Mines and Technology, Tarkwa. Ghana |
| July, 2008 | | Short course in Medical Geology | | University of Mines and Technology, Tarkwa. Ghana |
| July 7-10, 2008 | | Workshop on Resilience in Small-scale Gold Mining, | | Hotel de Hilda, Tarkwa, Ghana. |
| July, 2007 | | Natural Resource and Environmental Governance mining sector matrix workshop for budgetary support | | Accra, Ghana. |
| 2007 - present | | External examiner, Faculty of Applied Sciences. | | University for Development Studies, Tamale. Ghana. |
| 2006 - present | | Internal Examiner, MSc (Environmental Resources Management) programme. | | Kwame NkrumahUniversity of Science and Technology, Kumasi. Ghana. |
| August, 2006 | | Mining Sector Support Programme: National Strategic Environmental Assessment (SEA) Project stakeholder workshop on the SEA project | | Accra, Ghana. |
| 2004 -2005 | | Course Coordinator, MSc (Environmental Resources Management) programme. | | Materials Engineering Department, KNUST, Kumasi. Ghana. |
| November 22- December 12, 2004 | | Workshop on the Role of Science and Technology for Sustainable Management of Mineral Resources Development | | International Centre for Technology and Innovation, Rende-Cosenza, Italy. |
| September 2-4, 2004 | | Conference on “Mining and Corporate Social Responsibility in Ghana: Extending the frontiers of Sustainable Development”. | | Lynka Hotel, Tarkwa. Ghana. |
| 2000 | | Course Lecturer, Geotechnical Aspects of Planning | | University of the Witwatersrand, South Africa |
| 1999 | Deputy Course Director, MSc Mineral Exploration Programme | | Institute of Mining and Mineral Eng., Kwame NkrumahUniversity of Science and Technology, Kumasi. Ghana. | |
| 1999 | | Short course on the Application of Ore Microscopy in Mineral Evaluation | | Institute of Mining and Mineral Eng., Kwame NkrumahUniversity of Science and Technology, Kumasi. Ghana. |
| 1998 | | Course Lecturer, Geology for Physicists, an MSc Level course | | Physics Department, Kwame NkrumahUniversity of Science and Technology, Kumasi. Ghana. |
| 1996 | | Part-time Lecturer in Mineralogy | | University of Ghana, Legon |
| 1992 | | Short course on Ore Deposits | | Penn State University, USA |

##### AWARDS

1. 2002: Postgraduate Merit Award, University of the Witwatersrand, South Africa.
2. 2001: Postgraduate Merit Award, University of the Witwatersrand, South Africa.
3. 2000: Postgraduate Merit Award, University of the Witwatersrand, South Africa.
4. 1999: Ghana Government Scholarship for PhD Research
5. 1992: GTZ Scholarship to study in the USA.

**RESEARCH SUPERVISION AT UNIVERSITY LEVEL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Number of Students | | | |
| Completed | On-going | Awaiting Results | TOTAL |
| PhD | 5 | 5 |  | 10 |
| MPhil | 10 | 1 | - | 11 |
| MSc | 10 | 1 | - | 11 |
| MBA | 1 | - | - | 1 |
| BSc | 110 | - | - | 110 |

**RESEARCH / PROJECT AREAS / INTERESTS**

My primary research interest is in **“Geo-material characterization and engineering”**. Characterization modes include geochemical, mineralogical, petrologic, rheological, unsaturated soil mechanics and basic geotechnical principles and/or techniques. Other interests include environmental geology and earth resources. Specifically, my work has included:

1. Geochemical trends, characterization and industrial applications including genesis of bauxite and its associated lithomargic clays.
2. Clay pozzolana utilization research
3. Characterization and stabilization of soils, including, mine waste and its environmental impact.
4. Small-scale gold mining operations in Ghana: policies, practices, impacts and post-mining rehabilitation.
5. Environmental concerns of bauxite tailings disposal
6. Alluvial gold exploration and its implication for evaluation.
7. Susceptibility of Ghanaian granitic aggregates to alkali-silica reactivity in Portland cement concrete

**PUBLICATIONS AND CONFERENCES**

1. Endene Emmanuel, Lee Li Yong, Nicholas Fogne Appiah & **S.K.Y Gawu** (2021): Response surface methodology: a tool to optimise the contents of lime and polyethylene terephthalate (PET) fiber for stabilising a residual soil. Geomechanics and Geoengineering, DOI: 10.1080/17486025.2021.1955155
2. Amadu, C.C., Awotwi, A., Foli, G., **Gawu, S.K.Y** (2021)*.* Rock fracture characterization and discrete network modeling and its implication for groundwater flow in crystalline rocks of south-eastern Ghana. *Model. Earth Syst. Environ.*  <https://doi.org/10.1007/s40808-021-01139-y>
3. Gidigasu, S.S.R., Lawer, K.A., Gawu, S.K.Y. and Emmanuel, E., (2021). Waste crushed rock stabilised lateritic soil and spent carbide blends as a road base material. Geomechanics and Geoengineering, pp.1-13.
4. Blestmond A. Brako, Gordon Foli, Chiri Amedjoe and **Simon K.Y. Gawu** (2020)**.** Petrographic study of some Paleoproterozoic sedimentary rocks in the Chagupana and Tarkwa areas of Ghana. International Journal of Geography and Geology.DOI: 10.18488/journal.10.2020.91.38.54
5. Endene, E., Gidigasu, S.S.R. and Gawu, S.K.Y., (2020). Engineering geological evaluation of Mfensi and Afari clay deposits for liner application in municipal solid waste landfills. SN Applied Sciences, 2(12), pp.1-10.
6. Blestmond A. Brako, Gordon Foli, Kofi Adomako-Ansah, Derrick Aikins, Solomon Dery**,** **Simon K.Y. Gawu** (2020). Petrography and Geochemistry of Some Paleoproterozoic Granitoids at the North-Eastern Margin of the Kumasi Basin in Ghana. *Earth Sciences Malaysia, 4(2): 77-84*.
7. Blestmond A. Brako, Gordon Foli, Etornam B. Fiadonu, Chiri Amedjoe, Derrick Aikins, **Simon K.Y. Gawu** (2020)**.** Provenance and Tectonic Setting of some Paleoproterozoic Sedimentary Rocks in the Chagupana and Tarkwa Areas of Ghana: Petrographic and Structural Constraints. *Earth Sciences Malaysia, 4(1): 01-07*. [*http://doi.org/10.26480/esmy.01.2020.01.07*](http://doi.org/10.26480/esmy.01.2020.01.07)
8. Mark Bediako, Albert A. Adjaottor, **Simon K.Y Gawu** & Eric Opoku Amankwah | Abu Yaya (Reviewing editor) (2020) Compressive strength and durability properties of pozzolan obtained from co-fired clay and rice husk, Cogent Engineering, 7:1, DOI: [10.1080/23311916.2020.1811453](https://doi.org/10.1080/23311916.2020.1811453)
9. Theophilus K. Agbenyezi, Gordon Foli, **Simon K. Y. Gawu** (2020). Geochemical Characteristics of Gold-Bearing Granitoids at Ayanfuri In the Kumasi Basin, Southwestern Ghana: Implications for The Orogenic Related Gold Systems. Earth Sciences Malaysia, 4(2): 96-103.
10. Gordon Foli, Kofi Agyemang, Blestmond Afrifa Brako, **Simon Kafui Yao** **Gawu,** Prosper M. Nude (2020)*.* Characterisation of alluvial gold exploration data to improve gold recovery in Ghana. *Arab J Geosci* **13,**1105. <https://doi.org/10.1007/s12517-020-06073-4>

1. Adjaottor, A. A., Bediako, M., Kevern, J. T., & **Gawu, S. K**. (2019). Feasibility Studies of Using Ghanaian-Nyamebekyere Calcined Clay as Artificial Pozzolan. *ACI Materials Journal*, *116*(2).
2. Eric E. Bayari, Grodon Foli and **Simon K. Y. Gawu** (2019) Geochemical and pathfinder elements assessment in some mineralised regolith in Bole-Nangodi gold belt in north-eastern Ghana. Environmental Earth Sciences, 78 (9).
3. Gordon Foli, **Simon K. Y. Gawu,** Blestmond A. Brako andProsper M. Nude (2019) Geochemical Assessment of trace metals in Peri-Urban and Bioaccumulation in selected food crops in the Kumasi Metropolis, Ghana. Canadian Center of Science and Education: Environment and Natural Resources Research, 9(1).
4. Amadu Casmed Charles, Gawu Simon K.Y, Abanyie K. Samuel (2018) Experimental Study of Electrical Resistivity to Rock Fracture Intensity and Aperture Size. *International Journal of Physics, 6 (3), 85-92.*  *doi: 10.12691/ijp-6-3-4*
5. Eshun, S. N., Gidigasu, S. S. R., and Gawu, S. K. Y. (2018)The Effect of Clay Pozzolana-Cement-Composite on the Strength Development of a Hydraulic Backfill. *Ghana Mining Journal, 18 (1), pp. 32 - 38.*
6. N.A. Buadee, S.K.Y. Gawu, and G. Foli (2018) Assessing the Occupational Risks associated with Artisanal and Small-Scale mining- A Case study in Asankrangwa and Kenyasi Areas in Ghana. *West African Journal of Applied Ecology*, 26(1), 22 – 32.
7. Amadu Casmed Charles, Gawu Simon K.Y. and Appiah-Agyei Emmanuel (2018) Measurement and Characterisation of Fractures in Parts of the Togo Structural Units (TSU) and Dahomeyan Gneissic Complex (DGC), SE Ghana. *Journal of Natural Sciences Research, 8 (4),22-37.*
8. Amedjoe, C. G., **Gawu, S. K. Y**., Ali, B., Aseidu, D. K., & Nude, P. M. (2018). Geochemical compositions of Neoproterozoic to Lower Palaeozoic (?) shales and siltstones in the Volta Basin (Ghana): Constraints on provenance and tectonic setting. *Sedimentary Geology*, *368*, 114-131.
9. Gordon Foli and **Simon K. Y. Gawu** (2018) Using an integrated method for the determination of environmental TCLP arsenic for sulphide-rich mine tailing remediation in Ghana, West Africa. *Environmental Earth Sciences*, *77*(8), p.309.
10. Gordon Foli and **Simon K. Y. Gawu** (2017) Modified acid–base accounting model validation and pH buffer trend characterisation in mine drainage at the AngloGold Ashanti Obuasi mine in Ghana, West Africa. Environmental Earth Science Journal (2017) 76:663 DOI 10.1007/s12665-017-7005-y
11. P. M. Nude, G. Foli, **S. K. Y. Gawu**, S. S. R. Gidigasu, P. A. Sakyi and D. Kwayisi (2016) Arsenic Intensity Risk Assessment at AngloGold Obuasi Goldmine, Ghana, West Africa: Using Sorption and Geotechnical Factors. West African Journal of Applied Ecology, vol. 24(2) pp. 1–17.
12. Mark Bediako, **S. K. Y. Gawu**, A. A. Adjaottor, and John Solomon Ankrah (2016), “Early and Late Strength Characterization of Portland Cement Containing Calcined Low-Grade Kaolin Clay,” Journal of Engineering, vol. 2016, Article ID 7210891, 5 pages, 2016. doi:10.1155/2016/7210891
13. Andrews, A., Amoah, G., Anaman, S. and **Gawu, S.** (2016), Fabrication of Lightweight Anorthite Bodies from Lithomargic Clay. *International Journal of Applied Ceramic Technology, pp. 1-5*.
14. Osei, J., **Gawu, S. K**., Schäfer, A. I., Atipoka, F. A. and Momade, F. W. (2015), Impact of laterite characteristics on fluoride removal from water. J. Chem. Technol. Biotechnol..doi: 10.1002/jctb.4656
15. Gordon Foli, **Simon K.Y Gawu** and Prosper M. Nude (2015), Arsenic contamination and secondary mineral evaluation in mine drainage using integrated acid–base accounting and toxicity characterisation leaching procedure: the case of Obuasi Mine, Ghana, *Journal of Environmental Earth Sciences. DOI 10.1007/s12665-014-4006-y*
16. Anthony Andrews**, Simon K. Y. Gawu**, and Peter A. Olubambi (2014) Fire bricks produced from lithomargic clay. *Journal of Ceramic Processing Research. Vol. 16, No. 1, pp.37-40.*
17. Saviour Mantey, **Simon K. Y. Gawu**, Richard K. Amankwah, Alfred Allan Duker (2014), Spatial Dependency of Buruli Ulcer Disease on Geological Settings in Ghana, Vol. 3, No 9: 1714 – 1725.
18. J. Ayer, **S.K.Y Gawu**, and S.A. Zakaria (2014), A Non-Topographic Photogrammetric Approach to Monitoring Total Suspended Solids (TSS) in Environmental Control Dams in the Ahafo Ano District of Ghana, *American Journal of Social and Management Sciences. Vol.5, No. 2: 44 – 53.*
19. Andrews, Anthony, Elsie Nsiah-Baafi, **Simon KY Gawu**, and Peter A. Olubambi (2014) Synthesis of high alumina refractories from lithomargic clay, *Ceramics International, Vol. 40, No. 4: 6071-6075.*
20. Gidigasu SSR and **Gawu SKY** (2013) The Mode of Formation, Nature and Geotechnical characteristics of Black Cotton Soils - A Review, Standard *Scientific Research and Essays, 1(14): 377-390.*
21. Chiri G. Amedjoe and **S. K.Y Gawu** (2013), A Survey of Mining and Tailings Disposal Practices of Selected Artisanal and Small-Scale Mining Companies in Ghana. *Research Journal of Environmental and Earth Sciences*, *5*(12), 744-750.
22. Andrews, Anthony, Elsie Nsiah-Baafi, **Simon KY Gawu**, and Peter A. Olubambi (2013) "Synthesis of high alumina refractories from lithomargic clay" *Ceramics International*
23. Gordon Foli, **Simon K.Y. Gawu**, Johnson Manu and Prosper M. Nude (2013) Arsenic sorption characteristics in decommissioned tailings dam environment at the Obuasi mine, Ghana, Research Journal of Environmental and Earth Sciences, 5(10): 599-610.
24. **S.K.Y Gawu** and S.S.R. Gidigasu (2013) The effect of spent carbide on the geotechnical characteristics of two lateritic soils from the Kumasi area, International Journal of Engineering Research and Technology, Vol. 6, No. 3: 311 – 321.
25. Anthony Andrews, Joseph Adam, **Simon K.Y Gawu** and Peter A. Olubambi (2013) Synthesis optimization of fireclay refractories from lithomargic clay, Ceramic Forum International (cfi)/Ber. DKG 90, Nos 8-9, E45- E47.
26. Akayuli, C. F. A., Gidigasu, S. S. R., & **Gawu, S. K. Y**. (2013). Geotechnical Evaluation of a Ghanaian Black Cotton Soil for use as Clay Liner in Tailings Dam Construction. *Ghana Mining Journal*, *14*, 21-26.
27. Andrews, A. Adam, J. and **Gawu, S.K.Y** **(2013)** Development of fireclay aluminosilicate refractory from lithomargic clay deposits, Ceramic International, 39, 2013, 779-783
28. **Simon K. Y. Gawu**, E. E. Amissah, Jerry S. Kuma **(2012)** The proposed alumina industry and how to mitigate the red mud footprint in Ghana (doi: 10.4090/juee. 2012.v6n2.048056) Journal of Urban and Environmental Engineering, Vol. 6, No. 2: 48 – 56.
29. Bediako, M., **Gawu, S. K. Y**., & Adjaottor, A. A. (**2012**). Suitability of some Ghanaian mineral admixtures for masonry mortar formulation. Journal of *Construction and Building Materials*, *29*, 667-671. DOI: 10.1016/j.conbuildmat.2011.06.016. ISSN: 0950-0618.
30. M. Bediako, **S.K.Y Gawu** and A. A Adjaottor **(2011)** Utilization of clay pozzolana in masonry mortar formulation for cost effective housing delivery in Ghana, Journal of Building and Road Research, Ghana, Vol. 13, No. 1: 47 - 55.
31. Mark Bediako, Albert A. Adjaottor, **Simon K. Y. Gawu** **(2011)** Potential Use of Crushed Ghanaian Limestone in Paste and Mortar Formulated for Masonry, Journal of Civil Engineering and Architecture, Vol.5 No. 3, 2011: 258-264
32. **Gawu** **S.K.Y** and Yendaw J (2011) Moisture retention characteristics of some mine tailings, Proceedings of the 15th African Regional Conference on Soil Mechanics and Geotechnical Engineering, Maputo, Mozambique, July 18 – 21, 2011.
33. Mark Bediako, A. A Adjaottor **and S.K.Y Gawu (2011)** Selected mechanical properties of mortar used for masonary incorporating artificial pozzolana, Proceedings of the 6th International Structural Engineering and Construction Conference (ISEC-6), Zurich, Switzerland, June 21 – 29, 2011.
34. Fourie, A.B. and **Gawu, S.K.Y,** (2010),“The validity of using laboratory flume data for predicting beach slopes of thickened tailings deposits”, Proceedings of the 13th International Seminar on Paste and Thickened Tailings, Toronto, Canada. May 3 – 6, 2010, pp 241-254.
35. M. Bediako, A. A Adjaottor, **S.K.Y Gawu** and C.K Kankam (2010) Potential use of crushed Ghanaian limestone in paste and mortar formulated for masonary, Proceedings of the 2nd International Conference on Sustainable Construction Materials and Technologies, Universita Politecnica delle Marche, Ancona, Italy, June 28 – June 30, 2010.
36. J.S Kuma, R.O Owusu and **S.K.Y Gawu** (2010) Evaluating the water supply system in Kumasi, Ghana, European Journal of Scientific Research, vol. 40, no.4, p 506 – 514.
37. F. W. Y, Momadeand **S.K.Y Gawu (**2009) Geochemical and mineralogical characteristics of lithomargic clay types from Awaso bauxite deposit, Ghana: Implications for possible industrial utilization, Journal of the University of Science and Technology, Kumasi, Ghana, vol. 29, no. 2, p. 96 – 106.
38. M. Bediako, E. Atiemo, **S.K.Y Gawu** and A. A Adjaottor (2009) Suitability of some Ghanaian mineral admixtures for masonary mortar formulation, Proceedings of the 5th International Structural Engineering and Construction Conference (ISEC-5), Las Vegas, USA, September 22 – 25 2009.

1. Ampadu, S.I.K and **Gawu, S. K. Y**. (2008) Education and Training in Geo-Engineering Sciences in Ghana, First International Conference on Education and Training in Geo-Engineering Sciences, Constantza, Romania, June 2 – 4 2008.
2. **Gawu, S. K.Y**, & Fourie, A. B. (2005). Reply to the discussion by Crowder and Grabinsky on" Assessment of the modified slump test as a measure of the yield stress of high-density thickened tailings". *Canadian Geotechnical Journal*, *42*(1), 319-320.
3. **Gawu, S.K.Y** and Fourie, A.B (2004) Assessment of the modified slump test as a measure of the yield stress of high-density thickened tailings, **Canadian Geotechnical Journal**, vol. 41, no. 1, p. 39 - 47.
4. F.W.Y. Momade, B. Adoo, **S.K.Y. Gawu** and K. Sraku-Lartey (2004) Awaso Bauxite Mine Waste – A Waste or a Resource. West African Mining and Power Conference, International Conference Centre, Accra, July 7th – 8th, 2004.
5. Momade, F. W. Y., **Gawu, S. K. Y**. and Affam, M, (2004), Characterisation of Lithomargic Clay from the Awaso Bauxite Deposit. Proceedings of the 90th Anniversary International Conference and Exhibition of the Geological Survey Department of Ghana, International Conference Centre, Accra, February 24th – 27th, 2004.
6. Fourie, A.B and **Gawu, S.K.Y** (2004) The role of evaporative drying in the management of thickened mine tailings. Proceedings of the 3rd International Mining and Industrial Waste Management Conference, Johannesburg, South Africa, 17th – 19th February 2004
7. **Gawu, S.K.Y** and Fourie, A.B (2001) Potential environmental benefits and concerns of thickened tailings disposal. Proceedings of the 4th Conference on Environmental Management, Technology and Development, Muldersdrift, Guateng, South Africa, 5th - 6th September 2001.
8. **Gawu, S.K.Y** (1997) Geochemical trends of the Ichiniso bauxite deposit, Awaso, Ghana, Ghana Mining Journal, vol. 3, nos. 1&2, p. 10 – 17.
9. Dzigbodi-Adjimah, K and **Gawu, S.K.Y** (1994) Guides to alluvial gold exploration in Ghana. Journal of the University of Science and Technology, Kumasi, Ghana, vol. 14, no. 3, p. 165 – 171.
10. **Gawu, S.K.Y** and Adjimah, K (1993) A geochemical classification of the Ichiniso bauxite deposit, Awaso, Ghana, In: K.E.N Tsidzi (ed), Proceedings of the National Seminar on Current Developments in the Minerals Industry of Ghana, p. 33 – 40.

* CHAPTER IN BOOK

1. A. Andrews, **S. K. Y. Gawu**, Zs. Momade and F. W. Y. Momade (2014) Genesis, Properties and Industrial Applications of Bauxitic Lithomargic Clay. In: *Wesley, L.R. ed.,* *Clay and Clay Minerals,* *Chapter 7.* Nova Science Publishers, Inc. ISBN 978-1-63117-779-8

**MEMBERSHIP OF PROFESSIONAL BODIES**

* Ghana Institution of Geoscientists (MGhIG-054)
* International Medical Geology Association (IMGA)
* Ghana Materials Research Association (GMRS)
* International Geo-Synthetic Society, Ghana Chapter (GhIGS)
* Ghana Geotechnical Society (GGS)