

Curriculum Vitae

(1) Personal Information

Name	Aka Festus Tongwa
Nationality/ Citizenship	United States
Current Appointment and/or Status	Professor at the Department of Geology, University of Buea, Cameroon. Currently visiting professor at the Earthquake Research Institute of The University of Tokyo, and Ibaraki University
Academic Degree	PhD, MSc, BSc
Field of Research	Volcanology/Geochemistry/Geohazards

(2) Higher Education

Year/Period	Certification/Certificate	Awarding Institution
April to May 2020	Project Management	University of Colorado Boulder, USA
March 2020	Environmental Assessment	American Society for Testing and Materials
Nov. to Dec 2019	Leadership for Equity, Diversity and Inclusion in Higher Education	University of Michigan, USA
01 April 1997 to 25 March 2000	PhD - Natural Science and Technology of Materials	Okayama University, Japan
04 Oct. 1989 to 25 Nov. 0991	MSc - Geochemistry	University of Leeds, England
04 Sept. 1981 to 06 Oct. 1984	BSc - Earth Sciences	University of Yaoundé, Cameroon

(3) Previous Employment (Start from the latest one.)

Year/Period	Employment
01 April 2024 to Present	Visiting Professor at the Earthquake Research Institute, The University of Tokyo, and Ibaraki University, Japan
Sept. 2022 to April 2024	Guidance Advisor (online guidance and supervision), Ibaraki University, Japan
30 April 2020 to 03 Sept. 2022	Adjunct Faculty, Physical Sciences Dept, Community College of Baltimore County, Maryland, USA
Nov. 2019 to March 2020	Relocated from Cameroon and settled in the USA
01 July 2015 to 28 Oct. 2019	Research Director, Institute for Geological and Mining Research, Cameroon

1 April 2010 to 30 June 2015	Research Coordinator, Ministry of Scientific Research and Innovation, Cameroon
1 Sept. 2008 to 30 Aug. 2018	Visiting Lecturer, University of Buea, Cameroon
1 Sept. 2016 to 30 Aug. 2018	Visiting Lecturer, University of Bamenda, Cameroon
1 April 2008 to 30 March 2010	Research Officer at the Antenna for Geophysical and Volcanological Research, Buea, Cameroon
1 April 2006 to 30 March 2008	21st Century Center for Excellence Research Fellow at Okayama University, Japan
1 July 1985 to 30 March 2006	Research Technician at the Antenna for Geophysical and Volcanological Research, Buea, Cameroon

(4) Research Achievements, Results, Publications and Awards

Our research is in geosciences, with a focus on geology, geochemistry, volcanology and geohazards. We use field observations mineralogy, petrology, and geochronology to decipher magma genesis, volcano plumbing systems and their eruptive processes, and also assess hazards, including catastrophic limnic gas eruptions from volcanic lakes, with emphasis on the Lakes Nyos and Monoun gas disasters that killed 1800 people and 3000 cattle in Cameroon in the 1980s. Results of our research in within-plate volcanic settings contribute in unravelling (i) the origin and role of fluids (e.g., noble gases and CO₂) in lake and soda spring waters and gases (ii) volcano eruption mechanisms (iii) chemical and isotopic heterogeneities in the upper mantle (mantle dynamics), and (iv) inform on mainstreaming disaster risk reduction into the development process to achieve the goals of the UN Sustainable Development Frameworks like the Sendai Framework for Disaster Reduction, and the Paris Agreement on Climate Change.

Participating as PI or Co-PI between 2005 and 2019, our group won research funding worth an approximate \$11.9 million from many national, regional and international institutions, including from the Government of Cameroon, the Global Network of Civil Society Organizations for Disaster Reduction (GNDR), the Science and Technology Research Partnership for Sustainable Development (SATREPS) from the Japan International Cooperation Agency (JICA) and the Japan Science and Technology Agency (JST).

Our research results are available in 49 peer-review articles (including 2 book chapters), and in abstracts of many oral and poster presentations at international scientific meetings. We currently have 1329 citations, with a Google citation index (h) of 21.

A list of our publications is given below.

PUBLICATIONS

Google Scholar Statistics: 49 cataloged peer-reviewed papers (including 2 book chapters), 1329 citations, h-index = 21

* Refers to students that I co-supervised

1. Schmidt, C., Laag, C., Whitehead, M., Profe, J., **Aka, F.T.**, Hasegawa, H., Keresztur, G., (2022). The complexities of assessing volcanic hazards along the Cameroon Volcanic Line using spatial distribution of monogenetic volcanoes. *J. Volcanol Geotherm Res.* doi.org/10.1016/j.jvolgeores.2022.107558
2. *Asaah, A.N.E., Yokoyama, T., Iwamori, H., **Aka, F.T.**, Tamen, J., Kuritani, T., Usui, T., Hasegawa, T., Fozing, E.M., 2022. Geochemical composition of dykes along the Cameroon Line (CL): Petrogenesis and similarities with the Central Atlantic Magmatic Province. *Geochemistry* doi.org/10.1016/j.chemer.2022.125865
3. *Nche LA, Hasegawa T, **Aka FT**, Kobayashi T, Németh K, Asaah ANE, Kaneda Y, Nishihara A, Bate-Tibang EE, Lebga AK, Tiabou AF, Ngwa CN, Suh EC (2020). Lithostratigraphy and geochemistry of Aojiki volcano and Sumiyoshiike and Yonemaru maars, Kamo Volcanic Field (Southern Kyushu), Japan. *J. Volcanol Geotherm Res.* doi.org/10.1016/j.jvolgeores.2020.10717
4. **Aka FT**, Hasegawa T, *Nche LA, *Asaah ANE, *Mimba ME, Teitchou I, Ngwa CN, Miyabuchi Y, Kobayashi T, Kankeu B, Yokoyama T, Tanyileke G, Ohba T, Hell JV, Kusakabe M (2018) Upper Triassic mafic dykes of Lake Nyos, Cameroon (West Africa) I: K-Ar age evidence within the context of Cameroon Line magmatism, and the tectonic significance. *Journal of African Earth Sciences* 141: 49-59
5. **Aka FT**, Nagao K, Kusakabe M, Ntepe N (2009) Cosmogenic helium and neon in ultramafic xenoliths from the Cameroon Volcanic Line (West Africa): Preliminary observations. *Journal of African Earth Sciences* 55: 175-184
6. **Aka FT**, Nagao K, Kusakabe M, Sumino H, Tanyileke G, Ateba B, Hell JV (2004) Symmetrical Helium isotope distribution on the Cameroon Volcanic Line, West Africa. *Chemical Geology* 203: 205-223
7. **Aka FT**, Kusakabe M, Nagao K, Tanyileke G, Nnange J, Nfomou N (2004) Rare gases in mantle-derived rocks from Annobon Island: Preliminary step-heating helium results. *Journal of Cameroon Academy of Science* 4: 163-169
8. Yokoyama T, **Aka FT**, Kusakabe M, Nakamura E (2007) Plume-lithosphere interaction beneath Mt. Cameroon volcano, West Africa: Constraints from ^{238}U - ^{230}Th - ^{226}Ra and Sr-Nd-Pb isotope systematics. *Geochimical Cosmochimical Acta* 71: 1835–1854
9. Marzoli A, **Aka FT**, Merle R, Callegaro S, N’Ni J (2015) Deep to shallow crustal differentiation of within-plate alkaline magmatism at Mt. Bambouto volcano, Cameroon Line. *Lithos* 220-223:272-288

10. Ngako V, Njonfang E, **Aka FT**, Affaton P, Nnange JM (2006) The North-South Paleozoic to Quaternary trend of alkaline magmatism from Niger-Nigeria to Cameroon: Complex interaction between hotspots and Precambrian faults. *Journal of African Earth Sciences* 45: 241-256
11. *Asaah ANE, Yokoyama T, **Aka FT**, Iwamori H, Kuritani T, Usui T, Gountie Dedzo M, Tamen J, Hasegawa T, Fozing EM, Wirmvem MJ, Nche AL (2020). Major/trace elements and Sr–Nd–Pb isotope systematics of lavas from lakes Barombi Mbo and Barombi Koto in the Kumba graben, Cameroon volcanic line: Constraints on petrogenesis. *Journal of African Earth Sciences* 161 (2020) 103675, doi.org/10.1016/j.jafrearsci.2019.103675
12. *Asaah ENA, Yokoyama T, **Aka FT**, Usui T, Kuritani T, Wirmvem JM, Iwamori H, Fozing EM, Tamen J, Mofor GZ, Ohba T, Tanyileke G, Hell JV (2015) Geochemistry of lavas from maar-bearing volcanoes in the Oku Volcanic Group of the Cameroon Volcanic Line. *Chemical Geology* 406: 55-69
13. *Asaah ANE, Yokoyama T, **Aka FT**, Usui T, Wirmvem MJ, Chako Tchamabe B, Ohba T, Tanyileke G, Hell JV (2014) A comparative review of petrogenetic processes beneath the Cameroon Volcanic Line: Geochemical constraints. *Geoscience Frontiers* 6: 557-570
14. Merle R, Marzoli A, **Aka FT**, Chiaradia JM, Reisberg L, Castorina F, Jourdan F, Renne PR, N’ni J, Nyobe JB (2017) Mt. Bambouto volcano, Cameroon Line: mantle source and differentiation of within-plate alkaline rocks. *Journal of Petrology* 58(5): 933-962
15. Ngwa CN, Shu BN, Mbassa BJ, **Aka FT**, Wokwenmendiam PN (2019) Olivine chemistry from Cameroon: evidence of carbonate metasomatism along the ocean-continental boundary of the Cameroon volcanic line. *Mineralogy and Petrology* doi.org/10.1007/s00710-019-00689-5
16. Tedonkenfack SST, Tamen J, Nkouathioa DG, *Asaah ANE, Gountié-Dedzoedzo M, **Aka FT** (2019) Petrography and geochemistry of mantle xenoliths from Ibal-Oku region (North-West region, Cameroon): Preliminary evidence of mantle heterogeneities. *Journal of African Earth Sciences* 154: 70-79
17. Gountié Dedzoa M, *Asaah ANE, Fozing EM, Tchamabé BC, Zangmo TG, *Dagwai N, Seuwwi DT, Kamgangi P, **Aka FT**, Ohba T (2019) Petrology and geochemistry of lavas from Gawar, Minawao and Zamay volcanoes of the northern segment of the Cameroon volcanic line (Central Africa): Constraints on mantle source and geochemical evolution. *Journal of African Earth Sciences* 153: 31-41
18. *Chako TB, Ohaba T, Kereszturi G, Németh K, **Aka FT**, Youmen D, Issa, Miyabuchi Y, Ooki S, Tanyileke G, Hell JV (2015) Towards the reconstruction of the shallow plumbing system of Barombi Mbo maar (Cameroon): Implications for diatreme growth processes of a polygenetic maar volcano. *Journal of Volcanology and Geothermal Research* 301: 296-313
19. *Chako TB, Youmen D, Owona S, Issa, Ohaba T, Németh K, Ngapna MN, Asaah ENA, **Aka FT**, Tanyileke G (2013) Eruptive history of the Barombi Mbo Maar, Cameroon Volcanic Line, Central Africa: Constraints from volcanic facies analysis. *Cent Eur J GeoSci* 5(4): 480-496
20. *Teitchou MI, Grégoire M, Temdjim R, Ghogogu RT, Ngwa C, **Aka FT** (2011) Mineralogical and geochemical fingerprints of mantle metasomatism beneath Nyos volcano (Cameroon Volcanic Line). *Geological Society of America Special Publication* 478: 193-210

21. Ateba B, Dorath C, Dorbath L, Ntepe N, Frogneux M, **Aka FT**, Hell JV, Delmond, JC, Manguelle D (2009) Eruptive and earthquake activities related to the 2000 eruption of Mount Cameroon volcano (West Africa) *Journal of Volcanology and Geothermal Research* 179: 206-216
22. Emilo HB, Ubangoh R, **Aka FT**, Valet JP (2004) Paleomagnetic and paleosecular variation study of the Mt. Cameroon volcanics (0.0–0.25 Ma), Cameroon, West Africa. *Physics of the Earth and Planetary Interior* 147: 171–182
23. Marzoli A, Piccirillo EM, Renne PR, Bellieni G, Iacumin M, Nyobe JB, **Aka FT** (2000) The Cameroon Volcanic Line Revisited: Petrogenesis of continental basaltic magmas from lithospheric and asthenospheric mantle sources. *Journal of Petrology* 41: 87-109
24. **Aka FT**, Buh GW, Fantong WY, Issa, Zouh TI, Djomou Bopda SL, Ghogumo R, Gibson T, Marmol MA, Sigha NL, Ohba T, Kusakabe M, Yoshida Y, Tanyileke G, Nnange JM, Hell JV (2016). Disaster prevention, disaster preparedness and local community resilience within the context of disaster risk management in Cameroon. *Natural Hazards* doi 10.1007/s11069-016-2674-5
25. **Aka FT** (2015) Depth of melt segregation below the Nyos maar-diatreme volcano (Cameroon, West Africa): Major-trace element evidence and their bearing on the origin of CO₂ in Lake Nyos. In: Rouwet D, Christenson BW, Tassi F, Vandemeulebrouck J (eds) *Volcanic Lakes, Springer-Heidelberg, IAVCEI Series of Advs in Volcanol* doi: 10.1007/978-3-642-36833-2_21
26. **Aka FT**, Yokoyama T (2013) Current status of the debate about the age of Lake Nyos dam (Cameroon) and its bearing on potential flood hazards. *Natural Hazards* 65: 875-885
27. **Aka FT**, Yokoyama T, Kusakabe M, Nakamura E, Tanyileke G, Ateba B, Ngako V, Nnange J, Hell JV (2008) U-series dating of Lake Nyos maar basalts, Cameroon (West Africa): Implications for potential hazards on the Lake Nyos dam. *Journal of Volcanology and Geothermal Research* 176(2): 212-224
28. Buh WG, **Aka FT** (2018) Enhancing resilience against floods in the Lower Motowoh community, Limbe, Southwest Cameroon. *Disaster Prevention and Management* doi.org/10.1108/DPM-06-2018-0193
29. Gibson TD, **Aka FT**, Sarwar B, Chantry G, Gupta, M, Molina JG, Shresha N, Norton J, Parajuli B, Rahmawati H, Aretaake R (2018) "Drawing the case studies together: synthesis of case studies and group discussions". *Disaster Prevention and Management* doi.org/10.1108/DPM-07-2018-0223
30. Ntchantcho R, *Nche LA, **Aka FT**, Kankeu B, Buh GW., Ndifon PT, Nnange JM, Hell JV (2017). The Debris Flow of 1st August 2012 in Kakpenyi-Tinta (Akwaya Sub Division) Southwest Cameroon—I: Event description, causes and impacts. *Open Journal of Geology* 7: 1337-1351

31. Buh GW, **Aka FT**, Burnley C, Isabella ZT (2012) Local governance in disaster risk reduction in Cameroon. *Jamba Journal of Disaster Risk Studies* 4(1) doi.org/10.4102/jamba.v4i1.56
32. Ntepe N, **Aka FT**, Ubangoh RU, Ateba B, Nnange JM, Hell JV (2004) The July 2002 earthquake in the Kribi region: geological context and a preliminary evaluation of seismic risk in southwestern Cameroon. *Journal of African Earth Sciences* 40: 163-172
33. Tanyileke G, Ntchantcho R, Fantong WY, **Aka FT**, Hell JV (2019) 30 years of Lakes Nyos and Monoun disasters: a scientific, technological, institutional and social adventure. *Journal of African Earth Sciences* 150: 415-424
34. Issa, **Aka FT**, Mouliom A. G, Rouwet, D, Fantong WY, *Chako TB, Ohba T, Yoshida Y, Sighomnou D, Nkamdnjou LS, Kusakabe M (2014) $\delta^{18}\text{O}$ and δD variations in some volcanic lakes on the Cameroon Volcanic Line (West-Africa): generating isotopic baseline data for volcano monitoring and surveillance in Cameroon. *Journal of Limnology* [doi:10.4081/jlimnol.2014.966](https://doi.org/10.4081/jlimnol.2014.966)
35. Hasegawa T, **Aka FT**, Miyabuchi Y, *Nche LA, Kobayashi T, Kaneko K, *Asaah ANE, Kankeu B, Issa, Ohba T, Kusakabe M, Hell JV (2019) Eruption history and petrogenesis of rocks from Nyos volcano (NW Cameroon): evidence from lithostratigraphy and geochemistry. [Journal of Volcanology and Geothermal Research](https://doi.org/10.1007/s12464-019-00056-5) 378: 51-71
36. *Mimba ME, Ohba T, Fils SCN, Nforba MT, Numanami N, Bafon TG, **Aka FT**, Suh EC (2018). Regional geochemical baseline concentration of potentially toxic trace metals in the mineralized Lom Basin, East Cameroon: a tool for contamination assessment. *Geochemical Transactions* 19:11. doi.org/10.1186/s12932-018-0056-5
37. Del Marmol MA, Fontijn K, Atanga M, Njome S, Mafany G, Tening A, Wantim MN, Fonge B, Che VB, **Aka FT**, Ernst GGJ, Suh EC, Jacobs P, Kervyn M (2017) Investigating the management of geological hazards and risks in the Mt Cameroon area using focus group discussions. *Adv Volcanol* [doi: 10.1007/11157_2017_3](https://doi.org/10.1007/11157_2017_3)
38. *Mimba MF, Ohba T, Ngemhe Fils SC, Wirmvem MJ, Bate Tibang EE, Nforba MT, **Aka FT** (2017) Regional hydrogeochemical mapping for environmental studies in the mineralized Lom Basin, East Cameroon: A pre-industrial mining survey. *Hydrology* 5(2): 15-31
39. *Mimba MF, Ohba T, Ngemhe Fils SC, Wirmvem MJ, Numanami N, **Aka FT** (2017). Seasonal hydrological inputs of major ions and trace metal composition in streams draining the mineralized Lom Basin, East Cameroon: Basis for environmental studies. *Earth Systems and Environment* 1:22 [doi 10.1007/s41748-017-0026-6](https://doi.org/10.1007/s41748-017-0026-6)
40. Abdourahimi, Saïdou, Fantong WY, **Aka FT**, Kwato NMG (2016) Environmental pollution by metals in the oil-bearing Bakassi peninsula, Cameroon. *Carpathian Journal of Earth and Environmental Sciences* 11(2): 529 – 538

41. Ohba T, Ooki S, Oginuma Y, Kusakabe M, Yoshida Y, Ueda A, Anazawa K, Saiki K, Kaneko K, Miyabuchi Y, Issa, **Aka FT**, Fantong WY, Ako AA, Tanyileke G, Hell JV (2015) Decreasing removal rate of the dissolved CO₂ in Lake Nyos, Cameroon, after the installation of additional degassing pipes. In: Ohba T, Capaccione B, Caudron C (eds) *Geochemistry of Active Volcanic Lakes. Geological Society of London Special Publication 437 doi.org/10.1144/SP437.6*
42. *Mimba ME, Wirmvem MJ, Nguemhe Fils SC, Numanami N, Nforba MT, Takeshi Ohba T, **Aka FT**, Suh CE (2019) Geochemical Behavior of REE in Stream Water and Sediments in the Gold-Bearing Lom Basin, Cameroon: Implications for Provenance and Depositional Environment. *Aquatic Geochemistry doi.org/10.1007/s10498-019-09365-8*
43. **Aka FT**, Kusakabe M, Nagao K, Tanyileke G (2001) Noble gas isotopic compositions and water/gas chemistry of soda springs from the islands of Bioko, São Tomé and Annobon, along the Cameroon Volcanic Line, West Africa. *Applied Geochemistry 16: 323-338*
44. Fantong WY, Kamtchuen BT, Ishizaki Y, Fru EC, Fantong EB, Wirmvem MJ, **Aka FT**, Nlend B, Harman D, Ueda A, Kusakabe M, Tanyileke G, Ohba T (2019). Major ions, $\delta^{18}\text{O}$, $\delta^{12}\text{C}$ and $^{87}\text{Sr}/^{86}\text{Sr}$ compositions of water and precipitates from springs along the Cameroon Volcanic Line (Cameroon, west Africa): Implications for provenance and volcanic hazards. *Journal of African Earth Sciences 150: 12-22*
45. Fantong WY, Kamtchueng BT, Kohei Yamaguchi, Akira Ua, Issa, Ntchantcho R, Wirmvem MJ, Kusakabe M, Ohba T, Zhang J, **Aka FT**, Tanyileke G, Hell JV (2015) Characteristics of Chemical weathering and water-rock interaction in Lake Nyos dam (Cameroon): Implications for vulnerability to failure and re-enforcement. *Journal of African Earth Sciences 101:42-55*
46. Ako AA, Shimada J, Hosono T, Kagabu M, Akoachere R, Nkeng GE, **Aka FT**, Ono M, Eyong TJ, Nkeng GE, Ketchemen BT, Mouncherou OF (2013) Flow dynamics and age of groundwater within a humid equatorial active volcano (Mount Cameroon) deduced by δD , $\delta^{18}\text{O}$, ^3He and chlorofluorocarbons (CFCs) *Journal of Hydrology 502: 156-176*
47. Fantong WY, Fouépé AT, Issa, Djomou SLB, Banseka HS, Anazawa K, Adelana SMA, Wirmvem MJ, **Aka FT**, Ohba T, Hell JV, Nkeng G E (2013) Temporal pollution by nitrate (NO₃), and discharge of springs in shallow crystalline aquifers: Case of Akok Ndoue catchment, Yaoundé (Cameroon) *African Journal of Environmental Science and Technology 7(5): 175-191*
48. Fantong WY, Satake H, **Aka FT**, Ayonghe SN, Asai K, Mandal AK, Ako AA (2010). Hydrochemical and isotopic evidence of recharge, apparent age and flow direction of groundwater in Mayo Tsanaga River Basin, Cameroon: bearing on contamination. *Environmental Earth Sciences 60(1): 107-120*
49. Fantong WY, Satake H, Ayonghe SN, **Aka FT**, Asai K (2009) Hydrogeochemical controls and usability of groundwater in the semi-arid Mayo Tsanaga River Basin: far north province, Cameroon. *Environmental Geology 58: 1281-1293*

Conference abstracts (Talks)

1. *Nche LA, Hasegawa T, Németh K, Kobayashi T, **Aka FT** (2019). Petrographic and geochemical characteristics of the Kamo monogenetic volcanic field, Southern Kyushu, Japan. IAVCEI – 5th *International Volcano Geology Workshop Palmerston North, New Zealand. Geoscience Society of New Zealand Miscellaneous Publication 152: 67-68*
2. *Mimba ME, Ohba T, Salomon Nguemhe FS, Nforba M, Numanami N, Bafon T, **Aka FT**, Suh EC (2018) Baseline concentrations of trace metals in stream sediments of the lower Lom Basin, East Cameroon: Implications for environmental studies. *Geophysical Research Abstracts 20: EGU2018-1377*
3. **Aka FT**, Kengne C, Fujita A, Ndoko LR, Kusakabe M, Fantong WY, Tchakoute M, Eyong JT, Tchakam B, Tanyileke G, Ohba T, Hell JV (2016) Workshop to enhance the awareness of Nyos and Monoun communities on disaster risks. *Abstract volume of IAVCEI Commission on Volcanic Lakes - CVL-9 Cameroon, 14-24 March 2016 '30 years after the Lake Nyos disaster. Abstract T5.1 pp 40*
4. *Asaah ANE, Yokoyama T, **Aka FT**, Kuritani T, Wirmvem MJ, Iwamori H (2016) Geochemistry of lavas from maar-bearing volcanoes in the Oku Volcanic Group of the Cameroon Volcanic Line. *Abstract volume of IAVCEI Commission on Volcanic Lakes (CVL9) Cameroon, 14-24 March 2016 '30 years after the Lake Nyos disaster. Abstract T1.2 pp13*
5. Hasegawa T, Miyabuchi Y, Kobayashi T, **Aka FT**, Kankeu B, Issa, *Nche LA, Fils S, Kaneko K, Ohba T, Kusakabe M, Tanyileke G, Hell JV (2016) Eruption history of Nyos volcano, northwestern Cameroon. *Abstract volume of IAVCEI Commission on Volcanic Lakes - CVL-9 Cameroon, 14-24 March 2016 '30 years after the Lake Nyos disaster. Abstract T1.3 pp14*
6. *Asaah ANE, Yokoyama T, **Aka FT**, Usui T, Kuritani T, Wirmvem MJ, Iwamori H (2015) A HIMU Signature beneath Mt. Oku, Cameroon Volcanic Line: Implications for plume– lithosphere interaction. *Goldschmidt Abstracts*
7. Belay IG, Kobayashi K, Kitagawa H, Tanaka R, **Aka FT**, Nakamura E (2015) The origin and dynamics of mantle sources beneath the Cameroon volcanic line. *Goldschmidt Abstracts 256*
8. Ohba T, Issa, Sasaki Y, Kusakabe M, Yoshida Y, Ueda A, Anazawa K, Saiki K, Kaneko K, Miyabuchi Y, **Aka FT**, Fantong WY, Tanyileke G, Hell JV (2014). Recent partial pressure of CO₂ dissolved in the water at Lake Monoun, Cameroon. *Goldschmidt Abstracts 1852*
9. *Asaah ANE, Yokoyama T, **Aka FT**, Usui T, Kuritani T, Wirmvem MJ, Ohba T (2014) Nature of enriched mantle components beneath the Oku Volcanic Group (OVG) along the Cameroon Volcanic Line (CVL), west Africa. *Goldschmidt Abstracts 73*
10. **Aka FT**, Buh WG, Issa, Fantong WY, Ohba T, Kusakabe M, Tanyileke G, Hell JV (2014) Preventing limnic eruptions in Lakes Nyos and Monoun within the framework of disaster governance, resilience and preparedness in Cameroon. Asia Oceania Geosciences Society Meeting, 28 July – 1 August 2014, Sapporo Japan. Abstract N°. ID25-A002
11. Issa, Ohba T, Fantong WY, Eleazar P, **Aka FT**, Ooki S, Yoshida Y, Hernandez P, K Doris, Alain F, Kusakabe M, Chako Tchamebe B, Sighomnou D, Tanyileke G, Sigha LN (2014) *Asia Oceania Geosciences Society Meeting, 28 July – 1 August 2014, Sapporo Japan. Abstract N°. ID25-A006*

12. Miyabuchi Y, Kobayashi T, Hasegawa T, Kaneko K, **Aka FT**, Ohba T, Kusakabe M, Tanyileke G, Hell JV (2014) *Asia Oceania Geosciences Society Meeting, 28 July – 1 August 2014, Sapporo Japan. Abstract N°. ID25-A007*
13. Ohba T, Issa I, Kusakabe M, Yoshida Y, Ueda A, Anazawa K, Saiki K, Kaneko K, Miyabuchi Y, **Aka FT**, Fantong WY, Tanyileke G, Hell V (2014) Temporal variation (2011 – 2013) of the amount of CO₂ dissolved in Lakes Nyos and Monoun, Cameroon. *Asia Oceania Geosciences Society Meeting, 28 July – 1 August 2014, Sapporo Japan. Abstract N°. ID25-A003*
14. **Aka FT**, Yokoyama T, Asaah ANE, Issa, Ohba T, Kusakabe M, Sigha LN, Tanyileke G, Hell JV (2013) Depth of melt segregation below the Nyos maar-diatreme volcano (Cameroon, West Africa): Major-trace element evidence and their bearing on the origin of CO₂ in Lake Nyos. *IAVCEI 2013 Scientific Assembly – July 20 – 24; Kagoshima, Japan. Abstract N°. IA_3B-O2*
15. Ohba T, Sasaki Y, Kusakabe M, Yoshida Y, Ueda A, Anazawa K, Kaneko K, Miyabuchi Y, Issa, **Aka FT**, Fantong YW, Tanyileke G, Hell JV (2013) Chemical structure of Lakes Nyos and Monoun, Cameroon. *IAVCEI 2013 Scientific Assembly – July 20 – 24; Kagoshima, Japan. Abstract N°. 4A1_3I-O3*
16. *Chako Tchamabe B, Ohba T, Issa , Youmen D, Owona S, **Aka FT**, Tanyileke G, Hell JV (2013) Eruptive history of the Barombi mbo maar, southwest Cameroon, Central Africa: constraints from tephrostratigraphic analyses of phreatomagmatic deposits. *IAVCEI 2013 Scientific Assembly – July 20 – 24; Kagoshima, Japan. Abstract N°. 3P1_3F-O19*
17. *Assah ANE, Yokoyama T, **Aka FT**, Usui T, Wirmvem MJ, Chako Tchamabe B, Ohba T, Tanyileke G, Hell JV (2013) Regional extent of magmatic CO₂ in crater lakes of the Oku Volcanic Group: constraints from petrogenesis and relation with tectonic events. *8th Workshop of the IAVCEI Commission on Volcanic Lakes (CVL-8) 25 to 31 July 2013, Aso Volcano and Hokkaido, Japan*
18. Issa, Ohba T, **Aka FT**, Fantong YW, Gbetnkom MA, Yoshida Y, Kusakabe M, Chako Tchamabe B, Sighomnou D, Sigha N, Tanyileke G, Hell JV (2013) Diffuse CO₂ emission from certain lakes located on the Cameroon Volcanic Line (CVL): a contribution to global carbon budget and CO₂-related hazard assessment in Cameroon. *8th Workshop of the IAVCEI Commission on Volcanic Lakes (CVL-8) 25 to 31 July 2013, Aso Volcano and Hokkaido, Japan*
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