

Information on Liaison Professor of University of Toyama-Japan

Name: FANTONG Wilson Yetoh

Nationality: Cameroonian

Institution: Institute of Geological and Mining Research

Activities

- Monitor and evaluate quantity of water resources (rain, surface and groundwater) in the 05 hydrological basins in Cameroon
- Monitor and evaluate chemistry and quality of water resources (rain, surface and groundwater) in the 05 hydrological basins in Cameroon
- Coordinate scientific works (limnology) of Lake Monoun in the Western Region of Cameroon. The lake exploded in 1984 killing 34 people and we do conduct regular monitoring of the lake to mitigate recurrence of the 1984 saga.
- Coordinate applied research on the suitability of water resources for agriculture in the Sahelian Northern Regions of Cameroon
- Chair of the scientific and technical committee for Global Water Partnership in Cameroon
- Evaluate the interaction between marine and continental waters along the 420 km long coastline of Cameroon
- Teach Integrated Water Resources Management, hydrology and hydrogeology at the University of Buea in Cameroon
- Establishment of technical cooperation between my home institution (IRGM) with JICA, University of Toyama-Japan, University of Hiroshima-Japan, and BGR-Germany.

My Co-authored scientific papers (about 51 articles)

1) Wilson Y Fantong, Gerginio Chounna, Therese L. L. Jokam Nenkam, Alain F. Takoundjou, Ernest Chi Fru, Sarra Vassolo, Nelly M, Yaya Fodoue, Jean B.D Haman, Claire Caliere, Nbandah P, George E Nkeng (2023) Hydrogeochemistry of low agricultural soil yield in Sahelian and sub-tropical watersheds, Northern Cameroon. *Journal of African Earth Sciences*. 199:104823

2) Wilson Y. Fantong, Therese L. L. Jokam Nenkam , Pierre Nbandah, Sharon B. Kimbi, Ernest Chi Fru , Brice T. Kamtchueng , Alain F. Takoundjou, Alex R. Tejiobou, Gabriel Ngueutchoua, Robert Kringel (2020). Compositions and mobility of major, δD , $\delta^{18}O$, trace, and REEs patterns in water sources at Benue River Basin—Cameroon: implications for recharge mechanisms, geo-environmental controls, and public health. *Environ Geochem Health* <https://doi.org/10.1007/s10653-020-00539-w>

3) Fongoh EJ, Cell H, Nlend B, Huneau F, Boum -Nkot SN, Takam GE, **Fantong WY**, Abendong AA, Ntamak-Nida MJ (2024). Groundwater quality constrains and new opportunities for water supply from hard rock aquifers in a fast-expanding city of Sub-Saharan Africa, Yaounde-Cameroon. **Journal of African Earth Sciences** 212 , 105207.

4) Amin Nsangou Mouhamed, Dmitri Rouwet, Franco Tassi , **Wilson Yetoh Fantong** , Oumar Farouk Mouncherou , Emile Ekomane , Nathalie Fagel (2023) . Evidence of “Lake Nyos-type” behavior in the geological record: A review. **Earth-Science Reviews** 247 (2023) **104603**

5) Ernest Chi Fru, Jalila Al Bahri, Christophe Brosson, Abderrazzak El Albani, Olabode Bankole, Jérémie Aubineau, Alexandra Nederbragt, Anthony Oldroyd, Alasdair Skelton, Linda Lowhagen, David Webster, **Fantong Wilson Yetoh**, Benjamin JW Mills, Lewis J. Alcott, Kurt O Konhauser, Timothy W Lyons (2023). Transient fertilization of a post-Sturtian Snowball ocean margin with dissolved phosphate by clay minerals. **Nature Communication**

6) Haman Didier JB, **Wilson Y Fantong**, Mboudou EG, Ombolo A, et al (2023). Hydrogeochemistry and stable isotopes of groundwater in the Sudano-Sahelian zone: A case of the Mayo Bocki watershed in North Cameroon. *HydroResearch* 6: 36-51.

7) Jokam Nenkam T.L.L, Kringel R, **Wilson Y. Fantong**, Nbandah P, Takoundjou A. F, Elizabeth Z, Kamtchueng B (2022). Hydrochemistry of nutrients in groundwater under farmland in the Benue River Basin, North Cameroon. **Environmental Earth Sciences**. <http://doi.org/10.1007/s12665-021-10146-2>

8) Takounjou AF, Eyong GT, Kuitcha D, Kringel R, **Wilson Y. Fantong**, Ndjama J, Tejiobou A (2020). Hydrogeochemistry and groundwater flow mechanisms in shallow aquifer in Yaounde Cameroon. **Water supply**, 1334-1348

9) Wirmvem MJ, Kamtchueng BT, Wotany ER, Mimba ME, **Wilson Y. Fantong**, Ako AA, Ohba T (2020) . Multitracer Investigation of groundwater recharge and apparent age at the Bamenda Highlands along the Cameroon Volcanic Line. *Sustainable Water Resources Management*. <http://doi.org/10.1007/s40899-020-00357-z>

10) Takounjou AF, Dandjio WF, Fodoue Y, **Wilson Y. Fantong**, et al (2022). Assessment of water availability for agricultural activities in the Savannah Plateau of Adamawa-Cameroon. *Environ. Monit. Assess.* <http://doi.org/10.1007/s10661-022-10476-z>

11) Kamtchueng BT, Foupouagnigni A, Yannah M, Ndjama J, Mimba ME, Wirmvem MJ, Yaguchi M, Takem GE, Ako AA, **Wilson Y. Fantong**, Ngnikam E, Ohba T (2022). Major ions, trace elements and stable isotope characteristics of shallow groundwater in the Bonaberi district-Douala Cameroon. *Sustainable Water Resources Management*. <http://doi.org/10.1007/s40899-00737-7>

12) Amban B. Sanga, Bijingsi Melisa, **Wilson Y. Fantong**, Hycinth S. Banseka, Samuel N. Ayonghe (2020). Major ions, δD , $\delta^{18}O$ and microbial characterization of drinking water sources along the West Coast of Cameroon. **Environmental Earth Sciences**. <https://doi.org/10.1007/s12665-020-8837-4>

13) **Fantong WY.**, Kamtchueng BT., Ishizaki Y., Fru E C., Emilia Bi Fantong, Jude Wirmvem MJ., Aka FT., Nlend B, Harman D., Ueda A., Kusakabe M., Gregory Tanyileke G., Ohba T (2019). Major ions, $\delta^{18}O$, $\delta^{13}C$ and $^{87}Sr/^{86}Sr$ 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**

14) Katsuro Anazawa, **Wilson Y. Fantong**, Akira Ueda, Akiko Ozawa, Minoru Kusakabe, Yutaka Yoshida, Takeshi Ohba (2019). Environmental modifications of Lake Nyos surface water by artificial degassing. **Journal of African Earth Sciences 152: 115-121**

15) Gregory Tanyileke, Romaric Ntchantcho, **Wilson Yetoh Fantong**, Festus Tongwa Aka, Joseph Victor Hell (2019). 30 years of the Lakes Nyos and Monoun gas disasters: A scientific, technological, institutional and social adventure. **Journal of African Earth Sciences 150: 415-424**

16) **Wilson Y. Fantong.**, Brice T. Kamtchueng, Kohei Yamaguchi, Akira Ueda, Issa, Romaric Ntchantcho, Mengnjo J. Wirmvem, Minoru Kusakabe, Takeshi Ohba, Jing Zhang, Festus T. Aka, Gregory Tanyileke, Joseph V. Hell (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**

17) Tiodjio RE, Sakatoku A, Nakamura A, Tanaka D, **Fantong WY**, Tchakam Kamtchueng B, Tanyileke G, Ohba T, Hell JV, Kusakabe M, Nakamura S & Ueda A (2014). Bacterial and archaeal communities in Lake Nyos (Cameroon, Central Africa). **Scientific Reports 4**, 6151; DOI:10.1038/srep06151

18) Brice T. Kamtchueng, **Wilson Y. Fantong**, Mengnjo J. Wirmvem, Rosine E. Tiodjio, Alain F. Takounjou, Jules R. Ndam Ngoupayou, Minoru Kusakabe, Jing Zhang, Takeshi Ohba, Gregory Tanyileke, Joseph V. Hell, Akira Ueda (2016). Hydrogeochemistry and quality of surface water and groundwater in the vicinity of Lake Monoun, West Cameroon: approach from multivariate statistical analysis and stable isotopic characterization. **Environmental Monitoring Assessment**. 188:524. DOI: 10.1007/s10661-016-5514-X.

19) Rosine E. Tiodjio, Akihiro Sakatoku, Issa, **Wilson Y. Fantong**, Kamtchueng B. Tchakam, Gregory Tanyileke, Victor J. Hell, Takeshi Ohba, Minoru Kusakabe, Daisuke Tanaka, Shogo Nakamura, Akira Ueda. (2016). Vertical distribution of bacteria and archaea in a CO₂-rich meromictic lake: A case study of Lake Monoun. **Limnologica 60:6-19**

20) Akiko Ozawa, Akira Ueda, **Wilson Y. Fantong**, Katsuro Anazawa, Yutaka Yoshida, Minoru Kusakabe, Takeshi Ohba, Gregory Tanyileke & Joseph V. Hell (2016). Rate of siderite precipitation in Lake Nyos, Cameroon. From: Ohba, T., Capaccioni, B. & Caudron, C. (eds) *Geochemistry and Geophysics of Active Volcanic Lakes*. **Geological Society, London, Special Publications**, 437, <http://doi.org/10.1144/SP437.13>

- 21) Kamtchueng B. T, **Wilson Yetoh Fantong**, Mengnjo Jude Wirmvem, Rosine Edwige Tiodjio, Alain Fouépé Takounjou, Kazuyoshi Asai, Serges L. Bopda Djomou, Minoru Kusakabe, Takeshi Ohba, Gregory Tanyileke, Joseph Victor Hell, Akira Ueda (2015): *A multi-tracer approach for assessing the origin, apparent age and recharge mechanism of shallow groundwater in the Lake Nyos catchment, Northwest, Cameroon*. **Journal of Hydrology**, 523:790–803.
- 22) Kamtchueng BT, **Fantong WY**, Ueda A, Tiodjio ER, Anazawa K, Wirmvem J, Mvondo JO, Nkamdjou L, Kusakabe M, Ohba T, Gregory Tanyileke• Joseph V. Hell (2014): *Assessment of shallow groundwater in Lake Nyos catchment (Cameroon, Central-Africa): implications for hydrogeochemical controls and uses*. **Environmental Earth Sciences**, 72:3663–3678.
- 23) Issa, Aka F.T, Mouliom A. G, Rouwet, D, **Fantong W. Y**, Tchamambe B.C, Ohba T, Yoshida Y, Sighomnou D, Nkamdnjou S, Kusakabe M (2014). *$\delta^{18}O$ 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
- 24) Issa, Ohba Takeshi, **Wilson Fantong** ,Alain Fouepe, Chako Tchamabe Boris, Yoshida Yutaka, Kusakabe Mironu, Siga Nkamdjou, Tsunogai Umaru , Oginuma Yu, Tanyileke Gregory, Satake Hiroshi and Hell, J,V (2013). *Contribution of methane to total gas pressure in deep waters at lakes Nyos and Monoun (Cameroon. west Africa*. **Geochemical Journal**, vol. 47, pp. 349-362
- 25) Mabel N Wantim, **Wilson Y Fantong**, Motso K Onuoha and Samuel N Ayonghe (2016) Volcanic terrain in Africa that releases asphyxiating carbon dioxide. **Natural Hazard 4. Indd**
- 26) **Wilson Y. Fantong**, Clifford NGAPPE, Hycinth S. BANSEKA, Mathias F. FONTEH , Hubert ONIBON, Ernest Chi FRU, Etienne YANNE, Bertold D. DONTSA TSAFACK, Samuel N. AYONGHE (2019). *Defluoridation of Fluoride-rich Groundwater in Mayo Tsanaga River Basin-Cameroon using locally produced bone char*. **Journal of Cameroon Academy of Sciences, Vol 15 No. 1**
- 27) Nlend B., Celle-Jeaton H., Huneau F., Ketchemen TB., **Fantong WY.**, Boum NSN., Etame J (2018). *The impact of urban development on aquifers in large coastal cities of west Africa: present status and future challenges*. **Land Use Policy 75**: 352-363
- 28) Lumnwi Modeste, **Fantong WY**, Ayonghe SN (2019). *Challenges of potable water supply management in Bafut Sub Division, North West Region, Cameroon*. **International Journal of Research-GRANTHAALAYAH 6 (10): 256-273**
- 29) **Fantong Wilson Y.**, Brice T. Kamtchueng, Alain T. Fouepe, Beatrice Ketchemen-Tandia, Doris Kuitcha, Josephine Ndjama, Issa, Mengnjo J. Wirmvem, Serges L. Bopda Djomou, George E. Nkeng, Minoru Kusakabe, Takeshi Ohba, Jing Zhang, Jean-Claude Ntonga, Gregory Tanyileke (2016). *Variation of hydrogeochemical characteristics of surface and groundwater in the coastal city of Douala (Cameroon)*. **Hydrological Sciences Journal**. Vol. 61, No 16:2916-2929.

30) **Fantong, W.Y.**, Satake, H., Ayonghe, S.N., Suh, C.E., Adelana, S.M.A., Fantong, E.B.S., Banseka, H.S., Gwanfogne, C.D., Woincham, L.N., Uehara, Y., Zhang, J. (2010b). *Geochemical provenance and spatial distribution of fluoride in groundwater of Mayo Tsanaga River Basin, Far north Region, Cameroon: implications for incidence of fluorosis and optimal consumption dose.* **Environ Geochem Health**. Vol. 32: 147-163

31) Festus Tongwa Aka, Gaston Wung Buh, **Wilson Yetoh Fantong**, Issa, Isabella Tem Zouh, Serges Laurent Bopda Djomou, Richard Tanwi Ghogomu, Terry Gibson, Mary-Ann Marmol del, Luc Nkamdjou Sigha, Takeshi Ohba, Minoru Kusakabe, Yutaka Yoshida, Gregory Tanyileke, Joseph Metuk Nnange, Joseph Victor Hell. (2017). *Disaster prevention, disaster preparedness and local community resilience within the context of disaster risk management in Cameroon.* **Natural Hazards** 86:57-88

32) Mengnjo Jude Wirmvem, Takeshi Ohba, Linus Anye Nche, Brice Tchakam Kamtchueng, Wiylahnyuy Edith Kongnso, Mumbfu Ernestine Mimba, Tasin Godlove Bafon, Muga Yaguchi, Gloria Eneke Takem, **Wilson Yetoh Fantong**, Ako Andrew Ako. (2017). *Effect of diffuse recharge and wastewater on groundwater contamination in Douala, Cameroon.* **Environ Earth Sci** , 76:354: DOI 10.1007/s12665-017-6692-8

33) Mengnjo Jude Wirmvem, Takeshi Ohba, Brice Tchakam Kamtchueng, Eldred Tunde Taylor, **Wilson Yetoh Fantong**, Ako Andrew Ako (2016). *Variation in stable isotope ratios of monthly rainfall in the Douala and Yaounde cities, Cameroon: local meteoric lines and relationship to regional precipitation cycle.* **Applied Water Science**. DOI 10.1007/s13201-016-0413-4

34) Abdourahimi, Saidou, **Wilson Y Fantong**, Festus T Aka, Moise G Kwato Njock (2016). *Environmental pollution by metals in the oil bearing Bakassi Peninsula, Cameroon.* **Carpathian Journal of Earth and Environmental Sciences** 11(2):529-538

35) Mengnjo Jude Wirmvem, Mumbfu Ernestine Mimba, Brice Tchakam Kamtchueng, Engome Regina Wotany, Tasin Godlove Bafon, Asobo Nkengmatia Elvis Asaah, **Wilson Yetoh Fantong**, Samuel Ndonwi Ayonghe , Takeshi Ohba (2015). *Shallow groundwater recharge mechanism and apparent age in the Ndop plain, northwest Cameroon.* **Applied Water Sciences**. DOI 10.1007/s13201-015-0268-0

36) Mengnjo J. Wirmvem, Takeshi Ohba, **Wilson Y. Fantong**, Samuel N. Ayonghe, Jonathan N. Hogarh, Justice Y. Suila, Asobo Nkengmatia E. Asaah, Seigo Ooki, Gregory Tanyileke, Joseph V. Hell (2014). *Origin of major ions in monthly rainfall events at the Bamenda Highlands, North West Cameroon.* **Journal of Environmental Sciences**, 26: 1–9

37) **Wilson Y Fantong**, Alain T Fouepe, Emilia Bi Fantong, Hycinth S Banseka, Cletus D Gwanfogne, Samuel N Ayonghe, And Gregory Z Tanyileke (2013). *Increased risk of fluorosis and methemoglobinemia diseases from climate change: evidence from groundwater quality in Mayo Tsanaga River Basin, Cameroon.* **Journal of the Cameroon Academy of Sciences** 11(1), 49-54

38) **Wilson Y Fantong**, Alain T Fouepe, Issa, Serges L.B. Djomou, Hycinth S Banseka, Katsuro Anazawa, Adelana SMA, Jude W Mendjo, Festus T Aka, Takeshi Ohba, Joseph V Hell, and George E Nkeng (2013). *Temporal pollution by nitrate (NO₃), and discharge of springs in shallow crystalline aquifers: Case of Akok Ndoue Catchment, Yaounde (Cameroon).* **African Journal of Environmental Science and Technology**. Vol 7(5): 175-191.

39) Kazuyoshi Asai, Jing Zhang, Kazumi Asai, Katsuro Mogi, **Wilson Yetoh Fantong**, and Ajit Kumar Mandal (2013). *Development of an in situ sampler of submarine springs for the analysis of CFCs and SF₆.* **Geochemical Journal**, Vol.47, pp.693-696

40) Mengnjo J Wirmvem, Takeshi Ohba, **Wilson Y Fantong**, Samuel N Ayonghe, Justice Y Suila, Asobo N E Asaah, Gregory Tanyileke, Joseph V Hell (2013). *Hydrochemistry of shallow groundwater and surface water in the Ndop Plain, Northwest Cameroon.* **African Journal of Environmental Science and Technology**, 7, 518-530

41) Mengnjo J Wirmvem, Takeshi Ohba, **Wilson Y Fantong**, Samuel N Ayonghe, Justice Y Suila, Asobo N E Asaah, Kazuyoshi Asai, Gregory Tanyileke, Joseph V Hell (2013). *Monthly $\delta^{18}O$, δD and Cl characteristics of precipitation in the Ndop plain, Northwest Cameroon: Baseline data.* **Quaternary International**. 338:35-41

42) Mengnjo J Wirmvem, **Wilson Y Fantong**, Engome R Wotany, Takeshi Ohba, Samuel N Ayonghe (2013). *Sources of bacteriological contamination of shallow groundwater in Ndop Plain, Northwest Cameroon.* **Journal of Environmental Science and Water Resources**. Vol 2 (4): 127-132

43) Alain Fouepe Takounjou, **Wilson Y Fantong**, Ndam Ngoupayou Jules, and Sigha Nkamndjou (2012). *Comparitive analyses for estimating hydraulic conductivity values to improve the estimation of groundwater recharge in Yaounde, Cameroon.* **British Journal of Environment and Climate Change** 2 (4): 391-409

44) Kazuyoshi Asai, Maki Tsujimura, **Wilson Y Fantong**, Hiroshi Satake (2011). *Validity of the use of SF₆ as a tracer to date young groundwater in Japan.* *Journal of Hydrological Research Letters* 5, 42-46

45) Andrew Ako Ako, Jun Shimada, Takahiro Hosono, Kimpei Ichiyangi, George Elambo Nkeng, **Wilson Yetoh Fantong**, Gloria Eneke Takem Eyong, Ntankouo Njila Roger (2011). *Evaluation of groundwater quality and its suitability for drinking, domestic, and agricultural uses in the Banana Plain (Mbanga, Njombe, Penja) of the Cameroon Volcanic Line.* **Environ Geochem Health** 33:559-557

46) Andrew Ako Ako, Jun Shimada, Gloria ETE, **Wilson Y Fantong** (2010). *Access to potable water and sanitation in Cameroon within the context of Millenium Development Goals (MDGs).* **Water Science and Technology**-WST-61.5:1317-1339

47) **Fantong WY**, Satake H, Aka FT, Ayonghe SN, Kazuyoshi A, Mandal AK, Ako AA (2010a) *Hydrochemical and isotopic evidence of recharge, apparent age, and flow direction of groundwater in Mayo Tsanaga River Basin, Cameroon: Bearings on contamination.* **Journal of Environ Earth Sci**. Vol. 60: 107-120

48) **Fantong WY**, Satake H, Ayonghe SN, Aka FT, Kazuyoshi A (2009) *Hydrogeochemical controls and usability of groundwater in the semi-arid Mayo Tsanaga River Basin: Far north province, Cameroon. Journ. Environ. Geol.* Vol. 58: 1281-1293

49) Ayonghe, S.N; Suh, C.E; Ntasin, E.B; Samalang,P; and **Wilson Y Fantong (2002)** *Hydrologically, Seismically, and Tectonically triggered landslides along Cameroon Volcanic Line. African Geoscience Review: Vol 9: 325-335*

50) Wotany, E.R; Ayonghe, S.N; **Fantong, W.Y**; Wirmvem, J.M; Wantim, M.N (2014) *Hydrochemical characteristics of groundwater in sedimentary, metamorphic and volcanic aquifers in Ndian Division. South West Region-Cameroon. JCAS 11 No 2&3: 157-170*

51) Wotany, E.R; Ayonghe, S.N; **Fantong, W.Y**; Wirmvem, J.M; Ohba Takeshi (2013) *Hydrogeochemical and anthropogenic influence on the quality of water sources in the Rio del Rey Basin, South Western Cameroon, Gulf of Guinea. AJEST Vol 7 (12):1053-1069*

My PORTRAITS





Measuring In Situ parameters during sampling of community drinking water sources

Activities

Inter University academic exchange agreement: Still to be establish between University of Toyama and Institute of Geological and Mining Research

MEXT scholarship cooperation: Yes, I cooperate with University of Toyama within the framework of the MEXT scholarship, by encouraging Cameroonian student to seek admission in the University of Toyama. Actually, there is one Cameroonian student pursuing her PhD now at the University of Toyama, through my guidance.

Accepting faculty members and students from University of Toyama:

Within the framework of a project “ SATREPS-NyMo” that ran from 2011 to 2016, with follow-up activities that continued till February 2024, I received the following Professors from the University of Toyama: Professor Akira Ueda and Professor Minoru Kusakabe.

Co-authorship of scientific papers with Researchers in the University of Toyama

I have co-authored eighteen (18) scientific articles with Researchers from the University of Toyama. See them hereafter listed.

- 1) **Fantong WY.**, Kamtchueng BT., Ishizaki Y., Fru E C., Emilia Bi Fantong, Jude Wirmvem MJ., Aka FT., Nlend B, Harman D., **Ueda A.**, **Kusakabe M.**, Gregory Tanyileke G., Ohba T (2019). *Major ions, $\delta^{18}O$, $\delta^{13}C$ and $^{87}Sr/^{86}Sr$ 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
- 2) Katsuro Anazawa, **Wilson Y. Fantong**, **Akira Ueda**, Akiko Ozawa, **Minoru Kusakabe**, Yutaka Yoshida, Takeshi Ohba (2019). *Environmental modifications of Lake Nyos surface water by artificial degassing.* **Journal of African Earth Sciences** **152**: 115-121
- 3) **Wilson Y. Fantong.**, Brice T. Kamtchueng, Kohei Yamaguchi, **Akira Ueda**, Issa, Romaric Ntchantcho, Mengnjo J. Wirmvem, **Minoru Kusakabe**, Takeshi Ohba, **Jing Zhang**, Festus T. Aka, Gregory Tanyileke, Joseph V. Hell (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
- 4) Tiodjio RE, Sakatoku A, **Nakamura A**, **Tanaka D**, **Fantong WY**, Tchakam Kamtchueng B, Tanyileke G, Ohba T, Hell JV, **Kusakabe M**, **Nakamura S** & **Ueda A** (2014). *Bacterial and archaeal communities in Lake Nyos (Cameroon, Central Africa).* **Scientific Reports** **4**, 6151; DOI:10.1038/srep06151
- 5) Brice T. Kamtchueng, **Wilson Y. Fantong**, Mengnjo J. Wirmvem, Rosine E. Tiodjio, Alain F. Takounjou, Jules R. Ndam Ngoupayou, **Minoru Kusakabe**, **Jing Zhang**, Takeshi Ohba, Gregory Tanyileke, Joseph V. Hell, **Akira Ueda** (2016). *Hydrogeochemistry and quality of surface water and groundwater in the vicinity of Lake Monoun, West Cameroon: approach from multivariate statistical analysis and stable isotopic characterization.* **Environmental Monitoring Assessment**. 188:524. DOI: 10.1007/s10661-016-5514-X.
- 6) Rosine E. Tiodjio, **Akihiro Sakatoku**, Issa, **Wilson Y. Fantong**, Kamtchueng B. Tchakam, Gregory Tanyileke, Victor J. Hell, Takeshi Ohba, **Minoru Kusakabe**, **Daisuke Tanaka**, **Shogo Nakamura**, **Akira Ueda**. (2016). *Vertical distribution of bacteria and archaea in a CO₂-rich meromictic lake: A case study of Lake Monoun.* **Limnologica** 60:6-19
- 7) Akiko Ozawa, **Akira Ueda**, **Wilson Y. Fantong**, Katsuro Anazawa, Yutaka Yoshida, **Minoru Kusakabe**, Takeshi Ohba, Gregory Tanyileke & Joseph V. Hell (2016). *Rate of siderite precipitation in Lake Nyos, Cameroon. From: Ohba, T., Capaccioni, B. & Caudron, C. (eds) Geochemistry and Geophysics of Active Volcanic Lakes.* **Geological Society, London, Special Publications**, 437, <http://doi.org/10.1144/SP437.13>

- 8) Kamtchueng B. T, **Wilson Yetoh Fantong**, Mengnjo Jude Wirmvem, Rosine Edwige Tiodjio, Alain Fouépé Takounjou, Kazuyoshi Asai, Serges L. Bopda Djomou, **Minoru Kusakabe**, Takeshi Ohba, Gregory Tanyileke, Joseph Victor Hell, Akira Ueda (2015): *A multi-tracer approach for assessing the origin, apparent age and recharge mechanism of shallow groundwater in the Lake Nyos catchment, Northwest, Cameroon*. **Journal of Hydrology**, 523:790–803.
- 9) Kamtchueng BT, **Fantong WY**, **Ueda A**, Tiodjio ER, Anazawa K, Wirmvem J, Mvondo JO, Nkamdjou L, **Kusakabe M**, Ohba T, Gregory Tanyileke• Joseph V. Hell (2014): *Assessment of shallow groundwater in Lake Nyos catchment (Cameroon, Central-Africa): implications for hydrogeochemical controls and uses*. **Environmental Earth Sciences**, 72:3663–3678.
- 10) Issa, Aka F.T, Mouliom A. G, Rouwet, D, **Fantong W. Y**, Tchamambe B.C, Ohba T, Yoshida Y, Sighomnou D, Nkamdnjou S, **Kusakabe M (2014)**. *$\delta^{18}O$ 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
- 11) Issa, Ohba Takeshi, **Wilson Fantong** ,Alain Fouepe, Chako Tchamabe Boris, Yoshida Yutaka, **Kusakabe Mironu**, Siga Nkamdjou, Tsunogai Umaru , Oginuma Yu, Tanyileke Gregory, **Satake Hiroshi** and Hell, J,V (2013). *Contribution of methane to total gas pressure in deep waters at lakes Nyos and Monoun (Cameroon. west Africa*. **Geochemical Journal**, vol. 47, pp. 349-362
- 12) **Fantong Wilson Y.**, Brice T. Kamtchueng, Alain T. Fouepe, Beatrice Ketchemen-Tandia, Doris Kuitcha, Josephine Ndjama, Issa, Mengnjo J. Wirmvem, Serges L. Bopda Djomou, George E. Nkeng, **Minoru Kusakabe**, Takeshi Ohba, **Jing Zhang**, Jean-Claude Ntonga, Gregory Tanyileke (2016). *Variation of hydrogeochemical characteristics of surface and groundwater in the coastal city of Douala (Cameroon)*. **Hydrological Sciences Journal**. Vol. 61, No 16:2916-2929.
- 13) **Fantong, W.Y.**, **Satake, H.**, Ayonghe, S.N., Suh, C.E., Adelana, S.M.A., Fantong, E.B.S., Banseka, H.S., Gwanfogbe, C.D., Woincham, L.N., Uehara, Y., **Zhang, J. (2010b)**. *Geochemical provenance and spatial distribution of fluoride in groundwater of Mayo Tsanaga River Basin, Far north Region, Cameroon: implications for incidence of fluorosis and optimal consumption dose*. **Environ Geochem Health**. Vol. 32: 147-163
- 14) Festus Tongwa Aka, Gaston Wung Buh, **Wilson Yetoh Fantong**, Issa, Isabella Tem Zouh, Serges Laurent Bopda Djomou, Richard Tanwi Ghogomu, Terry Gibson, Mary-Ann Marmol del, Luc Nkamdjou Sigha, Takeshi Ohba, **Minoru Kusakabe**, Yutaka Yoshida, Gregory Tanyileke, Joseph Metuk Nnange, Joseph Victor Hell. (2017). *Disaster*

*prevention, disaster preparedness and local community resilience within the context of disaster risk management in Cameroon. **Natural Hazards 86:57-88***

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