

Muvundja Amisi Fabrice, Curriculum Vitae

1. PERSONAL INFORMATION

Name and Surname: Muvundja Amisi Fabrice
 Date of birth: 17 November 1974
 Nationality: Congolese (DRC)
 Email: amisimuv@yahoo.fr, Phone: +243970976943
 Family status: married, 6 children

2. EDUCATION:

2011-March 2015: PhD at University of Namur (Belgium). Thesis: "Hydrological variability and biogeochemistry of particulate organic matter of a large tropical rift lake, Lake Kivu (East-Africa)".
 2008-2010: Msc in Fisheries and Aquatic sciences, Makerere University/Kampala, Uganda. Thesis title: "Riverine nutrient inputs to Lake Kivu".
 1995-1999: Five-year degree (Agrégation) in Chemistry Education, Institut Supérieur Pédagogique de Bukavu (ISP/Bukavu), Bukavu, D.R. Congo.
 1981-1993: Primary and High School education at Mumosho II Primary School and Weza High School (Bukavu, DR Congo), respectively

3. EMPLOYMENT HISTORY

2016-present: Associate Professor, Department of Environmental Sciences, Faculty of Sciences, Catholic University of Bukavu (UCB)
 2011-present: Researcher at UERHA (Unité d'Enseignement et de Recherche en Hydrobiologie Appliquée), Institut Supérieur Pédagogique de Bukavu (ISP/Bukavu), D. R. Congo
 2004-2010: - Assistant lecturer/Researcher, Department of Chemistry, ISP/Bukavu, Bukavu, D. R. Congo and UERHA, Department of Biology-Chemistry, ISP/Bukavu, DRC

4. INSTITUTIONAL RESPONSABILITIES:

2017-present: Dean of the faculty of sciences
 2015-present: -Founder and Promoter of the new department of Environmental Sciences
 -Founder of the « Centre de Recherche en Environnement et Géo-ressources » (CREGER)

5. SUPERVISION OF JUNIOR RESEARCHERS AT GRADUATE AND POSTGRADUATE LEVEL:

-2015-2016: Principal supervisor for 3 theses and Co-supervisor of 1 thesis at Bachelor level and 1 thesis at Masters level in Hydrology and Limnology
 -2016-2017: Principal supervisor for 4 theses at Bachelor level in Aquatic Chemistry
 -2017-2018: Principal supervisor for 5 theses at Bachelor level in Limnology and co-supervisor of 2 Bsc thesis in Soil Science (Agronomy)
 2018-2019: Principal supervisor for 4 theses at Bachelor level in Limnology and Co-supervisor of 1 PhD thesis Hydrology and Limnology

6. TEACHING:

Professor of Physical Limnology, Environmental chemistry, Inorganic Chemistry and Analytical Chemistry in undergraduate in the Departments of Chemistry, Environmental Sciences and Soil sciences.

7. MEMBERSHIPS IN PANELS, BOARDS, ETC., AND INDIVIDUAL SCIENTIFIC REVIEWING ACTIVITIES:

- Chair of the Lake Kivu Advisory Group partner of the African Center of Aquatic Research Education (ACARE)
- 2018: Reviewer for the Journal of Great Lakes Research, a Journal of the International Association Great Lakes Research published with Elsevier
- 2019: Reviewer for Natural hazards published with Springer
- 2018-2019: Consultant at the Congolese Environmental Agency (ACE) for the validation of Environmental Impact Assessment reports
- 2016: Independent Consultant at SHER-ARTELIA Group (Belgium-France) on “The inventory of water resources and their uses in the Lake Kivu and Ruzizi River basin” on behalf of the “Autorité du Bassin du Lac Kivu et de la Ruzizi” (ABAKIR), Gisenyi, Rwanda.

8. ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES, FELLOWSHIPS IN RENOWNED ACADEMIES:

- Member of the International Society of Limnology (SIL)

9. ORGANISATION OF CONFERENCES

- Co-organizer of a conference on “Research and nature conservation writing for the national Geographic Society funding scheme” with the National Geographic Society, East-African Program, held in Bukavu, DRC, 5 Jun 2017.
- Attendance as an invited presenter of several national, regional and international scientific conferences mostly on Freshwater ecosystem management.

10. PRIZES, AWARDS, FELLOWSHIPS

- 2019-2024: Co-promoter of the Research project “Colombo-tantalite of Kivu: Capacity building in physico-chemical extraction techniques and application studies” funded by the “Académie de Recherche et d’Enseignement Supérieur” (ARES), Belgium.
- 2015-2019: Postdoc fellow of the Volkswagen Foundation-Africa Initiative on « Resources, their Dynamics, and Sustainability – Capacity Development in Comparative and Integrated Approaches »
- 2018-2020: Research project on the Hydrological inputs to Lake Kivu (Hydrilak, a project funded by Energy Development Corporation Limited/Lake Kivu Monitoring Program with the support of the Kingdom of Netherlands)
- 2014: End of PhD program scholarship from the “Communauté Universitaire pour le Développement (CUD-ARES, Belgium)
- 2012: IFS (International Foundation for Science) research fellowship
- 2006 and 2010: Msc and Doctoral research Fellowships at Eawag (Swiss Federal Institute for Aquatic Science and Technology)-SNF (Swiss National Foundation for Science)
- 1999: End of Bachelor’s program scholarship from CARITAS DIOCESAINE, D. R. Congo

11. CAREER BREAKS

No career break

12. MAJOR SCIENTIFIC ACHIEVEMENTS: SCIENTIFIC PUBLICATIONS, KNOWLEDGE TRANSFER EVENTS, SOFTWARE DATABASE PROTOTYPES, ETC.

1. Masilya, M.P, **Muvundja, F.A.**, Isumbisho, M., Hyangya, L., Kisekelwa, T., Kaningini, M.B., 2020. Food and feeding habits of *Raiamas moorei* (Boulenger, 1900), *Enteromius pellegrini* (Poll, 1939) and *Enteromius kerstenii* (Peters, 1868), three cyprinid species of Lake Kivu (East Africa). *Accepted by the Journal of Environmental Biology of Fishes*.
2. Morana C., Darchambeau F., Roland F. A. E., Borges A. V., Muvundja F.A., Kelemen Z., Masilya P., Descy J.-P., Bouillon S., 2015. Biogeochemistry of a large and deep tropical lake (Lake Kivu, East Africa: insights from a stable isotope study covering an annual cycle. *Biogeosciences* 12:4953-4963
3. Ross, KA., Schmid, M., Ogorka, S., Muvundja, F.A., Anselmetti, F.S., 2015. The history of subaquatic volcanism recorded in the sediments of Lake Kivu; East Africa. *J. Paleolimnol.* DOI 10.1007/s10933-015-9842-6
4. Riziki, W. J., Muvundja, F.A., Mande, P., Isumbisho, M., Kaningini, M., Masilya, M.P., 2015. Should *Limnothrissa miodon* be eaten and *Lamprichthys tanganicus* thrown? Proximate analysis-based arguments for a Lake Kivu fish resource marketability. *Tropicultura*. 2015, Vol. 33 Issue 4, p333-339. 7p.
5. **Muvundja, F.A.**, Wüest, A., Isumbisho, M., Kaningini, M.B., Pasche, N., Rinta, P., Schmid, M., 2014. Modelling Lake Kivu water level variations over the last seven decades. *Limnologica* 47:31-33.
6. Muvundja, F.A., Uwikunda, S. H., Mande, P., Alunga, L.G., Balagizi, K.I., Isumbisho, M. P., 2013. Valorisation de la chenille comestible *Bunaeopsis aurantiaca* dans la gestion communautaire des forêts du Sud-Kivu (République Démocratique du Congo). In : Isumbisho et al.(eds), *Vers une bonne gouvernance des ressources naturelles dans la région des Grands Lacs Africains*. VertigO-la revue électronique en sciences de l'environnement [En ligne], Hors-série 17| Septembre 2013.
- 7.
8. Pasche, N., **Muvundja, F.A.**, Schmid, M., Wüest, A., Müller, B., 2012. Nutrient cycling in Lake Kivu. In: Descy J.-P., Darchambeau F., Schmid M. (Eds), *Lake Kivu: Limnology and biogeochemistry of a tropical great lake*. Aquatic Ecology Series 5, DOI 10.1007/978-94-007-4243-7_3
9. Pasche, N., Alunga, G., Mills, K., Muvundja, F.A., Ryves, D.B., Schurter, M., Wehrli, B. and Schmid, M., 2010. Abrupt onset of carbonate deposition in Lake Kivu during the 1960s: response to food web alteration and hydrological change. *Journal of Palaeolimnology*. DOI 10.1007/s10933-010-9465-x.
10. Muvundja, F.A., Pasche, N., Bugenyi, F.W.B., Isumbisho, M., Müller, B., Namugize, J.N., Rinta, P., Schmid, M., Stierli, R., and Wüest, A. 2009. Balancing nutrient inputs to Lake Kivu. *J. Great Lakes Res.* 35 (2009): 406- 418.

Prof. Dr. Fabrice Muvundja Amisi

17.03.2020