

CURRICULUM VITAE (CV)



Identity

Name : **Kisekelwa Tchalondawa**
 Place and date of birth : Obaye (Democratic Republic of the Congo), 17th April 1983
 Nationality : Congolese
 Home address : Fizi, N° 55N, Nyalukemba Bukavu
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Training and graduation

- April 2019: PhD in Biological Sciences (KU Leuven/Belgium)

Title of the PhD: Fish diversity of the river systems draining the Kahuzi-Biega National Park (Eastern of DR of the Congo)

- 2013 - 2014: Predoctoral program in biology at the KU Leuven (Belgium). **Thesis:** The fish diversity of western Rift Albertine rivers (East of the RDC).

- 2010 - 2012: Master in Environmental Sciences, Burundi University (Burundi).

Title of the Thesis: Contribution à la connaissance de l'ichtyofaune des rivières Lowa et Elila à l'Est de la RDC

- 2002 - 2006: degree in Biology, ISP/Bukavu (DRC).

Title of the Thesis: Contribution à l'étude du zooplancton de la rivière Ruzizi.

Academic trainings in fish taxonomy and scholarship

Training

- **Jan-Feb, Nov-Dec 2016, and April-June 2018:** Introduction to molecular techniques and the DNA data analyses at molecular lab of the Zoologische Staatssammlung München Germany. The skills acquired include DNA extraction, amplification, library preparation, Reads preparation with CLC, Gene annotation, alignment with Geneious and MEGA, Phylogenetic analyses with ML and NJ and CIPRES Gateway.

- **2013 onwards:** Scientific collaborator at ichthyological section of the Vertebrates section of the Royal Museum for Central Africa (RMCA) in the framework of my PhD and subsequent in the Mbisa Congo II,

- **April-June 2012:** Training on FishBase and African's fish taxonomy at Royal Museum for Central Africa (RMCA) of Tervuren/Belgium. **Funding RMCA**

- **May-June 2010:** Short Training on digitization of biodiversity collection and Map software initiation at Central African Biodiversity Information Network (CABIN); CEDESURK, Kinshasa funded by RMCA/Tervuren-Belgium. **Funding RMCA**

- **January-February 2010:** Training in freshwater fish taxonomy at African Biodiversity Information Center (ABIC) at RMCA/Tervuren in Belgium. **Funding RMCA**

Skills acquired in the biological area

Fish taxonomy: morphological and molecular based taxonomy. And Ecology of fishes (environmental perspectives): identification ability, new species description, Systematic revision, ecology of fishes (pattern of community structure and trophic ecology) as well as species mapping. Molecular part skills: DNA extraction, PCR treatment (partial and long-range fragment), Data analyses: from sequence trimming to phylogenetic tree processing. Softwares: CLC, Geneious, MEGA 6, DnaSP6, DAMBE6. Additional knowledges: Limnological studies: from nutrient analyses to zooplankton identification.

Funding information

- **2018**: Acquiring material from IDEA Wild (USA) including: a PC, a GPS and a camera.
- **2015-2017**: Research grant from International Foundation for Science (IFS). N° A_5787-1
- **2014-2019**: Grant of agreement framework between Belgian Cooperation for the Development and the RMCA through the MBISA Congo project; funding PhD program at the University of Leuven (KU Leuven)/Belgium,
- **2013-2014**: Grant of agreement framework between the Belgian Cooperation for the Development and the RMCA through the MBISA Congo project, funding predoctoral program at the University of Leuven (KU Leuven)/Belgium;
- **2012** : Grant for three months for a training at RMCA, program FishBase and Fish Taxonomy;
- **2010** : Grant for two months for a training at RMCA Belgium; program African Biodiversity Information Center (ABIC);

Participation /(and) Communication to international symposium

- Participation to the African Great Lakes Stakeholder Network Workshop took place in Entebbe from 5 to 7 November 2019 organized by the African Center for Aquatic Research and Education (ACARE) USA,
- Participation and Communication to the **Sixth International Conference of the Pan African Fish and Fisheries Association (PAFFA 6)**: Mangochi/Malawi, 24-28th Sept 2018
- Participation to the lecture on Scientific Integrity for stating PhDs, at Arenberg Doctoral School, KU Leuven Belgium,
- Participation and Communication to the **Fifth International Conference of the Pan African Fish and Fisheries Association (PAFFA 5)**: Bujumbura, 16-20th Sept 2013,
- Participation and Communication to the International Symposium on Environment at Burundi, University of Burundi, 08th-10th Nov. 2012. Communication on the Fish diversity of the Lowa River (*thirst result of systematic*). 08th – 10th November 2012.

Para-academic trainings

- June - October 2007: Humanitarian Logistic training at ISS Congo
- October - December 2008: Computer training at CAPS (Windows, Word and Excel).

Experiences and teaching background

- **Since 2013**: Lecturer at the Biology Department/ISP of Bukavu (DRC)

Lectures: Animal Biology, Animal Systematic, Ecology and Environmental Sciences

- **Since 2019**: Partial time professor at Catholic University of Bukavu

Lectures: Ichthyology, Evolution and Biodiversity, and Introduction to Environmental Sciences (structure of the Biosphere and changes occurring in the Biosphere)

- **August 2007-August 2012**: Junior Researcher at Teaching and Research Unit in Applied Hydrobiology (UERHA)/Biology Department, ISP/Bukavu.

Labwork duties: Fieldwork planning and Labworks management (Nutrient analyses, Chlorophyll a measurements and Fish's identification), supervision of student' theses,

- **2006-2012**: Assistant Lecturer ISP/Walikale, DRC.

Teaching duties: Ecology, Animal and vegetal systematic, Biology.

- **March-November 2010**: Manager of the local NGO: Environment - Natural Resources and Development) and coordinate of the Natural Resources Network (RRN) DR Congo/South Kivu.

Publications

Published Papers

a. In international peer reviewed journal

Published

Kisekelwa T., G. Boden, J. Snoeks, & E. Vreven 2016. *Marcusenius kaninginii*, a new species of elephantfish from the Lowa River basin, Democratic Republic of the Congo (Osteoglossiformes: Mormyridae. Ichthyological Exploration of Freshwaters, Vol. 26, No. 4, pp. 341-352.

Kisekelwa T., J. Snoeks, & E. Vreven 2020. An annotated checklist of the fish fauna of the river systems draining the Kahuzi-Biega National Park (Eastern DR Congo). *Journal of Fish Biology* **96(3)**: 700–721. doi.org/10.1111/jfb.14264

Mambo Baba T., **T. Kisekelwa**, C. Danadu Mizani, E. Decru & E. Vreven 2020. Hidden species diversity in *Marcusenius moorii* (Günther, 1867) (Teleostei: Mormyridae) from the Congo basin. *Journal of Fish Biology*. doi.org/10.1111/jfb.14226

Masilya M. P., F. A. Muvundja, M. Isumbisho, L. Hyangya, **T. Kisekelwa** & M. B. Kaningini 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). *Environmental Biology of Fishes*. DOI 10.1007/s10641-020-00965-w.

Submitted

T. Kisekelwa; J. Snoeks; A. Ibala Zamba; G. Amzati Sefu, M. Isumbisho, P. M. Masilya; P. Lemmens; E. Vreven. Relationships between mouth morphology and environmental variables in *Labeobarbus* spp. (Teleostei: Cyprinidae) in the Middle Luhoho (East DRC). To *Ecology of Freshwater Fish*.

Kisekelwa T., J. Snoeks, E. Decru, F. Schedel, P. M. Isumbisho & Emmanuel Vreven. Discordance between morphological and molecular data in lineages of *Enteromius* (Cypriniformes: Cyprinidae) from the Lowa basin (East DRC) with the description of a new species. to *Zoological Journal of Linnean Society*.

b. Published in a regional peer reviewed journal

Kisekelwa T., Isumbisho M., G. Ntakimazi & J.-C. Micha 2013. Preliminary assessment of fish diversity in Lowa River. *Bull. sci. Inst. natl. environ. conserv. nat. (Burundian Journal)*, 12: 17-24.

c. In National Journal

Kisekelwa T. & M. Isumbisho 2010. Qualitative composition of zooplankton between upper and downstream of the Ruzizi I dam. *CERUKI, (local journal), New series*, 40, 28-32

Kisekelwa T., L. Hyangya, P. M/ Masilya, M. Isumbisho & M. Kaningini 2014. Taxonomic assessment of fishes of the Lowa River (Walikale district). *Special series dedicated to Alphonse Byamungu*, 20-28.

d. In books of abstract

- **Kisekelwa T.**, J. Snoeks, M. Nshombo, M. Isumbisho & E. Vreven 2013. Towards a checklist of the fishes of Kahuzi-Biega National Park and its surroundings, Eastern Congo River basin (DRC). *Proceedings book PAFFA5, Bujumbura-Burundi*, du 16-20 sept. 2013.

- **Kisekelwa T.**, F. Schedel, T. Musschoot, J. Snoeks, U. Schliewen, E. Vreven 2018. An integrative approach to the possible occurrence of hybridization in the *Labeobarbus* species (Cypriniformes: Cyprinidae) of the Luhoho headwaters (Lowa Basin, Upper Congo, DR Congo). *Proceedings book PAFFA6, Mangochi-Malawi*, du 24-28 sept. 2018.

- Muzumani R. D., **T. Kisekelwa**, G. Banyankimbona, Decru E. & E. Vreven 2018. A revision of *Enteromius apleurogramma* (Boulenger, 1911): A widespread minnow from Central and Eastern Africa (Cypriniformes: Cyprinidae). Proceedings book PAFFA6, Mangochi-Malawi, du 24-28 sept. 2018.
- Katrien D., **T. Kisekelwa** et al. 2018. Out of sight, out of mind, out of care : on protected areas, fish diversity and its conservation in the Congo basin. Proceedings book PAFFA6, Mangochi-Malawi, du 24-28 sept. 2018.
- Mambo T., **T. Kisekelwa**, C. Danadu, E. Decru & E. Vreven 2018. The *Marcusenius moorii* (Günther, 1867) (Teleostei: Mormyridae) from the Congo basin: a complex of species. Proceedings book PAFFA6, Mangochi-Malawi, du 24-28 sept. 2018.
- Masilya M. P., R. D. Muzumani, **T. Kisekelwa**, M. V. Nshombo, G. Banyankimbona & E. Vreven 2018. The ichthyological diversity of the Ruzizi National Park (Burundi): a first synthesis. Proceedings book PAFFA6, Mangochi-Malawi, du 24-28 sept. 2018.

Oral Communication

1. **Kisekelwa T. 2018.** An integrative approach to the possible occurrence of hybridization in the *Labeobarbus* species (Cypriniformes: Cyprinidae) of the Luhoho headwaters (Lowa Basin, Upper Congo, DR Congo). Oral communication, **PAFFA 6**, Mangochi/Malawi, 24-28 sept. 2018
2. **Kisekelwa T. 2019.** Towards a discovery of two lineages of *Enteromius* sp. from the Lowa basin allegedly affected by morphological stasis. Communication à l'occasion de la visite des étudiants en Master en Aquaculture de l'Université de Liège, séminaire organisé au MRAC le 19 décembre 2019
3. **Kisekelwa T. 2019.** The methodological dilemma in fish taxonomy underlined by two case studies from the Lowa basin (East of the Congo basin). Conférence organisée à l'ISP de Bukavu par le Ceruki, 19 juillet 2019
4. **Kisekelwa T. 2018.** Towards the discovery of interspecific hybridization in *Labeobarbus* (Cypriniformes: Cyprinidae) in the Lowa Basin, Upper Congo. Communication à l'occasion de la visite des étudiants en Master en Aquaculture de l'Université de Liège, séminaire organisé au MRAC le 19 décembre 2018
5. **Kisekelwa T. 2017.** Fish diversity of the river systems draining the Kahuzi-Biega National Park (Eastern DRC). Deuxième communication orale à la Section d'Ecology, Evolution and Biodiversity Conservation, Département de Biologie à la KU Leuven/Belgique, organisée le 05 mai 2017
6. **Kisekelwa T. 2016.** Morphology and DNA barcoding as tools for assessing the fish diversity in underexplored areas: the case such as the region of the Kahuzi-Biega National park. Conférence organisée à l'ISP de Bukavu par le Ceruki, 28 octobre 2016
7. **Kisekelwa T. 2013.** Towards a checklist of the fishes of Kahuzi-Biega National Park and its surroundings, Eastern Congo River basin (DRC). Oral communication, **PAFFA5**, Bujumbura-Burundi, 16-20 sept. 2013
8. **Kisekelwa, T. 2012.** Preliminary fish diversity assessment of Lowa River Eastern of Republic Democratic of Congo: challenge of taxonomy and conservation. **International Symposium on Environment**, Faculty of Science, University of Burundi, from 8-10 nov. 2012.

Language skills: writing/speech skills in French and English

Reference persons

Prof. Jos Snoeks: jos.snoeks@africamuseum.be; jos.snoeks@bio.kuleuven.be

Prof. Dr. Kaningini Mwenyimali: mkaningini@yahoo.com

Prof. Dr. Isumbisho Mwapu: isumbisho@yahoo.fr

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