



### **Curriculum vitae**

Jacobus Cornelis van Rijssel was born on the 28<sup>th</sup> of August 1985 in Lisserbroek, The Netherlands. He attended secondary school from 1997-2003 at the Herbert Vissers College in Nieuw-Vennep. In 2003, Jacco started his Bachelor in Biology at Leiden University. During this study he gained research experience by conducting an internship at the department of Integrative Zoology which involved the influence of swimming on testis development in silver eels. After receiving his Bachelor's degree, Jacco continued with a Master in Evolutionary and Ecological Sciences at Leiden University. During his Master education, Jacco conducted two research projects. In 2007, he studied the effect of ambient noise and blackbird density on the song of forest and city blackbirds at the Behavioural Biology department. In 2008, he continued his Master by conducting an internship at the Institute of Environmental Sciences (CML), Leiden. After he received grants and scholarships from various sources, he spent almost half a year in Waza National Park, Cameroon, studying the ecology and livestock conflicts of African lions. Later on that year, in October 2008, Jacco received his Master's degree in Evolutionary and Ecological Sciences.

In 2009, Jacco returned to the department of Integrative Zoology to start his PhD on the changing morphology of Lake Victoria cichlids under the supervision of Dr. Frans Witte and Prof. Dr. Michael K. Richardson. During his PhD, Jacco conducted fieldwork in Tanzania where he collected live Lake Victoria cichlids and transported them back to the Netherlands. Foreign lab experience was gained when Jacco visited the Great Lakes Observatory in the U.S.A to be trained in stable isotope analyses. Jacco gave several international conference talks, for one these, at the XIV European Congress of Ichthyology, he received a Best Oral communication Award. He published his research in several peer-reviewed scientific journals such as: *Biological Journal of the Linnean Society*, *Evolutionary Ecology* and *Evolution*. Jacco reviewed several papers on divergent topics in *Mammalian Biology*, *Biological Journal of the Linnean Society* and *Ecology*. After his PhD, Jacco will continue his research in the field of evolutionary ecology as a Postdoc at EAWAG, at the department of Fish Ecology and Evolution, led by Prof. Dr. Ole Seehausen, in Kastanienbaum, Switzerland.

## List of publications

- De Zeeuw MP, Van Oijen MJP, **Van Rijssel JC**, Witte F. Allopatric Haplochromis populations of the pre- and post-Nile perch system. (In preparation). *The cichlid fishes of Lake Victoria: Ecology to the molecular mechanisms of speciation*. Dordrecht: Springer.
- Kishe-Machumu MA, **Van Rijssel JC**, Wanink JH, Witte F. Trophic specialization of Lake Victoria cichlids. (In preparation). *The cichlid fishes of Lake Victoria: Ecology to the molecular mechanisms of speciation*. Dordrecht: Springer.
- Van Rijssel JC\***, Hecky RE, Kishe-Machumu MA, Witte F. Stable isotopes reveal changing ecology of Lake Victoria cichlids and their environment. *Submitted to Freshwater Biology*.
- Kishe-Machumu MA, **Van Rijssel JC\***, Poste A, Hecky RE, Witte F. Stable isotope evidence for the dietary shift and diet overlap amongst haplochromine cichlids in Lake Victoria. *Submitted to Freshwater Biology*.
- Van Rijssel JC\***, De Jong RC, Kishe-Machumu MA, Van Oijen MJP, De Zeeuw MP, Witte F. Rapid adaptive responses of *Haplochromis (Yssichromis) pyrrhocephalus* to environmental perturbations under natural conditions (Submitted). *The cichlid fishes of Lake Victoria: Ecology to the molecular mechanisms of speciation*. Dordrecht: Springer.
- Van Rijssel JC\***, Hecky RE, Kishe-Machumu MA, Meijer SE, Pols J, Van Tienderen K, Ververs J, Wanink JH, Witte F. Climatic variability drives adaptive responses in the gills of Lake Victoria cichlids. *Under review for Functional Ecology*.
- Downing AS, Van Nes EH, Balirwa JS, Beuving J, Bwathondi POJ, Chapman LJ, Cornelissen IJM, Cowx IG, Goudswaard KPC, Hecky RE, Janse JH, Kaufman L, Kishe-Machumu MA, Kolding J, Ligtvoet W, Mbabazi D, Medard M, Mkumbo OC, Mlaponi E, Munyaho AT, Nagelkerke LAJ, Oguto-Ohwayo R, Ojwang WO, Peter HK, Scheffer M, Schindler DE, Seehausen O, Sharpe D, Silsbe G, Sitoki L, Van Donk E, **Van Rijssel JC**, van Zwieten PAM, Verreth J, Wanink JH, Witte F, Mooij W. Chain reactions in the socio-ecological system of Lake Victoria. *Under review for Ecology and Society*.
- Kishe-Machumu MA, **Van Rijssel JC**, Wanink JH, Witte F. Resurgence and distribution of haplochromine cichlids in southern Lake Victoria. *Under review for Journal of Great Lakes Research*.
- Van Rijssel JC\***, Hoogwater ES, Kishe-Machumu MA, van Reenen E, Spits KV, Van der Stelt RC, Wanink JH, Witte F. Fast adaptive responses under natural conditions in the premaxilla of Lake Victoria cichlids. *Under review for Evolution*.

- Witte F, Kische-Machumu MA, Mkumbo OC, Wanink JH, Goudswaard PC, **Van Rijssel JC\***, Van Oijen MJP. **2013**. The fish fauna of Lake Victoria during a century of human induced perturbations. In: J. Snoeks & A. Getahun (eds), *Proceedings of the Fourth International Conference on African Fish and Fisheries, Addis Adaba, Ethiopia, 22-26 September 2008*. Tervuren: Royal Museum for Central Africa, 'Zoological Documentation Online Series', pp 49-66.
- Tumenta PN, Visser HD, **van Rijssel JC**, Muller L, de Iongh HH, Funston PJ, de Haes HAU. **2013**. Lion predation on livestock and native wildlife in Waza National Park, northern Cameroon. *Mammalia*.
- Van Rijssel JC\***, Witte F. **2013**. Adaptive responses in resurgent Lake Victoria cichlids over the past 30 years. *Evolutionary Ecology* **27**: 253-267.
- Van der Meer HJ, **van Rijssel JC\***, Wagenaar LC, Witte F. **2012**. Photopic adaptations to a changing environment in two Lake Victoria cichlids. *Biological Journal of the Linnean Society* **106**: 328-341.
- Ripmeester EAP, Kok JS, **van Rijssel JC**, Slabbekoorn H. **2010**. Habitat-related birdsong divergence: a multi-level study on the influence of territory density and ambient noise in European blackbirds. *Behavioral Ecology and Sociobiology* **64**: 409-418.
- Tumenta PN, Kok JS, **van Rijssel JC**, Buij R, Croes BM, Funston PJ, de Iongh HH, de Haes HAU. **2010**. Threat of rapid extermination of the lion (*Panthera leo leo*) in Waza National Park, Northern Cameroon. *African Journal of Ecology* **48**: 888-894.

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