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Evolutionary developmental biology of bitterling fish

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Citation

Yi, W. (2022, March 15). *Evolutionary developmental biology of bitterling fish*. Retrieved from <https://hdl.handle.net/1887/3278974>

Version: Publisher's Version

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Note: To cite this publication please use the final published version (if applicable).

Curriculum vitae

Wenjing Yi was born on November 11th 1988 in Zigui, a town in Hubei Province of China. After completing secondary education at the No.1 Middle School (Zigui) in 2007, she attended Huazhong Agriculture University to study aquaculture and got her Bachelor's degree in 2011. During this period, she studied artificial breeding and the reproduction of the mandarin fish *Siniperca chuatsi* and the Chinese sturgeon *Acipenser sinensis*. She started her postgraduate study under the supervision of Prof. Jianzhong Shen in the same university with a full scholarship, co-supervised by Prof. E Zhang in the Institute of Hydrobiology, Chinese Academy of Science (CAS). During this period, she became interested in the evolution and biodiversity from the investigation of fish resources in the Dongting Lake system. To specialize herself in the field of taxonomy, she performed a taxonomic revision of the genus *Vanmanenia* (hillstream loach) in South China and the genus *Rhodeus* (bitterling) throughout mainland China. In 2014, she started her PhD at the Institute of Biology of Leiden University under the supervision of Prof. Dr. M. K. Richardson and co-supervision of Dr. M. Rücklin (Naturalis). Her PhD project, entitled "Evolutionary developmental biology of bitterling fish", is described in this thesis.

List of publications

Yi, W., Mueller, T., Rücklin, M., & Richardson, M. K. Developmental neuroanatomy of the rosy bitterling *Rhodeus ocellatus* (Teleostei: Cypriniformes). *Manuscript submitted*.

Yi, W., Rücklin, M., Poelman, R., Aldridge, D. C., & Richardson, M. K. (2021). Normal stages of embryonic development of a brood parasite, the rosy bitterling *Rhodeus ocellatus* (Teleostei: Cypriniformes). *Journal of Morphology*, 282, 783–819.

Yu, Y., Yi, W., Ma, Z., Yang, R., & Shen, J. (2016). The complete mitochondrial genome of *Rhodeus fangi* (Cypriniformes, Cyprinidae, Acheilognathinae). *Mitochondrial DNA*, 27(1), 284–285.

Yi, W. J., Zhang, E., & Shen, J. Z. (2014). *Vanmanenia maculata*, a new species of hillstream loach from the Chang-Jiang basin, South China (Teleostei: Gastromyzontidae). *Zootaxa*, 3802, 85.