

Rui Ying

Curriculum Vitae

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Education

- 2017–2020 **Master**, *Hydrobiology, Department of Life Sciences, Sun Yat-sen University.*
2013–2017 **Bachelor**, *Aquaculture, College of Animal Science and Technology, Northwest A&F University .*

Interests

Community Ecology; Global Climate Change; Biodiversity; Conservation; Ecosystem function

Academic Projects

- Master thesis
1. Investigated the seasonal variation of nekton community structure in Daya Bay.
 2. Using the size structure method and stable isotopic method to analyse the trophic interaction and coexistence pattern among 3 functional groups in Daya Bay (Pelagic fish, Demersal fish, Benthic Crustacean).
 3. Further indicate the human effects on the offshore ecosystem based on the mentioned studies.
- Field Sampling
1. Seasonal mangrove soil sampling in the Quanzhou and Zhangzhou, China.
 2. Fishery survey in the Liusha Bay, Zhanjiang City.

Technical Skills

Programming R, PYTHON, C, JAVA, SQL
Software L^AT_EX, MS OFFICE, EMACS

Awards and Achievement

- 2019 National Scholarship
2018 Outstanding Graduate Student of SYSU
2018 Third Prize in the essay contest "I wrote a letter to the headmaster"
2017 Letterman in Tennis Team Match of NWUAF

Publications

- J. Feng, S. Wang, S. Wang, R. Ying, F. Yin, L. Jiang, and Z. Li. Effects of Invasive *Spartina alterniflora* Loisel. and Subsequent Ecological Replacement by *Sonneratia apetala* Buch.-Ham. on Soil Organic Carbon Fractions and Stock. *Forests*, 10(2):171, Feb. 2019.
- L. Jiang, J. Feng, R. Ying, F. Yin, S. Pei, J. Lu, Y. Cao, J. Guo, and Z. Li. Individual

and combined effects of ammonia-N and sulfide on the immune function and intestinal microbiota of Pacific white shrimp *Litopenaeus vannamei*. *Fish & Shellfish Immunology*, 92:230–240, Sept. 2019.

R. Ying, J. Chen, S. Gao, Z. Li, and J. Feng. Single and synergistic effects of *Ulva lactuca* and *Sesuvium portulacastrum* on the purification of mariculture wastewater. *Chinese Journal of Ecology*, 37(09):2745–2753, 2018.

R. Ying, L. Jiang, F. Yin, J. Huang, Z. Li, Y. Wang, and J. Feng. Analysis of community structure and diversity of nekton in Kaozhouyang Bay using gill nets and cages. *South China Fisheries Science*, 15:1, 2019.

R. Ying, F. Yin, L. Jiang, Z. Li, J. Huang, Y. Wang, J. Lu, and J. Feng. Fitting methods and seasonality effects on the assessment of pelagic fish communities in Daya Bay, China. *Ecological Indicators*, 103:346–354, Aug. 2019.