

# CURRICULUM VITAE

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### EDUCATION AND PROFESSIONAL EXPERIENCE

- 01/2012- Current Associate professor, Zhejiang Ocean University; Marine Fisheries Institute of Zhejiang Province
- 03/2014-04/2015 visiting scholar, Brown University, MCB
- 08/2009- 12/2011 Assistant professor, Zhejiang Ocean University; Marine Fisheries Institute of Zhejiang Province
- 07/2004-07/2009 Ph.D in Marine Biology, (Supervisor: You Feng and Zhang Peijun) key Laboratory of Experimental Marine Biotechnology, Institute of Oceanology, Chinese Academy of Sciences
- 09/2000-07/2004 B.S. in Biological Technology Qingdao University, Qingdao, China

### Research field

Fish genetics, Genomics, Genetic breeding; Aquaculture

### PUBLICATIONS

- Lou B, **Xu D\***, Geng Z, Zhang Y, Zhan W, Mao G. Histological characterization of gonadal sex differentiation in *Nibea albiflora*. *Aquaculture Research*, 2014. DOI: 10.1111/are.12523 , Online, (**Corresponding author**)
- Oulhen, N, **Xu D**, Wessel G, 2014. Conservation of sequence and function in fertilization of the cortical granule serine protease in echinoderms. *Biochemical and Biophysical Research Communications*, 450, 3, pp. 1135–11411, August, 2014.
- Xu H, Zhang Y, **Xu D\***, Lou B, Guo Y, Sun X. Genetic population structure of miyu croaker (*Miichthys miiuy*) in the Yellow and East China Seas base on mitochondrial COI sequences. *Biochemical Systematics and Ecology*, 54, pp. 240-246, March, 2014. (**Corresponding author**)
- Wen A, You F, Sun P, Li J, **Xu D**, Wu Z, Ma D, Zhang P. CpG methylation of dmrt1 and cyp19a promoters in relation to their sexual dimorphic expression in the Japanese flounder *Paralichthys olivaceus*. *Journal of Fish Biology*, 84, 1, 193-205, January, 2014.
- Xu D**, Lou B, Xu H, Li S, Geng Z. Isolation and characterization of male-specific AFLP markers

in the rock bream *Oplegnathus fasciatus*. *Marine Biotechnology*, 15, pp.221-229, April, 2013.

**Xu D**, Lou B, Bertollo LAC, Cioffi MB. Chromosomal mapping of microsatellite repeats in the rock bream fish *Oplegnathus fasciatus*, with emphasis of their distribution in the neo-Y chromosome. *Molecular Cytogenetics*, 6, pp. 12, March, 2013.

**Xu D**, Lou B, Li S, Zhang Y, Xin J, Zhan W. Isolation and characterization of eleven microsatellite loci in *Nibea albiflora*. *Genetics and Molecular Research*, 12, 4, pp. 6156-6159, December, 2013.

Sun X, **Xu D**, Lou B, Li S, Zhan W, Zhang Y, Xin J. Development and characterization of microsatellite markers in rock bream fish *Oplegnathus fasciatus*. *Genetics and Molecular Research*, 12, 4, pp. 6462-6465, 2013. (**Corresponding author**)

Sun X, **Xu D**, Lou B, Zhang T, Xin J, Ma S, Guo Y. Genetic diversity and population structure of *Elutheronema tetradactylum* in East China Sea and South China Sea revealed by mitochondrial CO I sequences. *Chinese Journal of Oceanology and Limnology*, 31, 6, pp. 1276-1283, November, 2013. (**Corresponding author**)

**Xu D**, Li S, Lou B, Zhang Y, Zhan W, Shi H. Genetic diversity in two Japanese flounder populations from China seas inferred by microsatellite markers and COI sequences. *Chinese Journal of Oceanology and Limnology*, 30, 4, pp. 604-610, July, 2012.

**Xu D**, Lou B, Shi H, Geng Z, Li S, Zhang Y. Genetic diversity and population structure of *Nibea albiflora* in the China Sea revealed by mitochondrial COI sequences. *Biochemical Systematics and Ecology*, 45, pp. 158-165, August, 2012.

**Xu D**, You F, Li J, Wu Z, Xiao Z, Zhang P, Xu Y, Wang B. First evidence for hybrid breakdown in the backcross of olive flounder (*Paralichthys olivaceus*) and summer flounder (*Paralichthys dentatus*). *Journal of the World Aquaculture Society*, 42, 3, pp. 347-353., June, 2011.

Wen A, You F, Tan X, Sun P, Ni J, Zhang Y, **Xu D**, Wu Z, Xu Y, Zhang P. Expression pattern of *dmrt4* from olive flounder (*Paralichthys olivaceus*) in adult gonads and during embryogenesis. *Fish Physiology and Biochemistry*, 35, 3, 421-433, August, 2009.

**Xu D**, You F, Wu Z, Li J, Ni J, Xiao Z, Zhang P, Xu Y. Genetic characterization of asymmetric reciprocal hybridization between the flatfishes *Paralichthys olivaceus* and *Paralichthys dentatus*. *Genetica*, 137, 3, pp. 151-158, 2009.

You F, Wang W, **Xu D**, Zhu X, Ni J, Wu Z, Xu Y, Wang X, Zhang P. Hybrids between olive flounder *Paralichthys olivaceus* and stone flounder *Kareius bicoloratus*: karyotype, allozyme and RAPD analyses. *Chinese Journal of Oceanology and Limnology*, 27, 2, 317-323, May, 2009.