

*Curriculum Vitae*

**Li Dapeng**



**Family Name:** Li  
**Given Name:** Dapeng  
**Date of Birth:** Dec. 22, 1975  
**Place of Birth:** Dezhou, China  
**Citizenship:** Chinese  
**Cell phone:** +86-15307118600

**Professional address:**  
College of Fisheries  
Huazhong Agricultural University  
Wuhan, 430070  
P. R. China  
**E-mail:** [ldp@mail.hzau.edu.cn](mailto:ldp@mail.hzau.edu.cn)

**ACADAMIC RANK AND POSITION**

- Professor in aquaculture and fish physiology, College of Fisheries, Huazhong Agricultural University
- Director, Hubei Provincial Engineering Laboratory for Pond Aquaculture

**EDUCATION**

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|-------------|---|
| 2020 – 2011 | <b>Hopkins Marine Station, Stanford University</b> <ul style="list-style-type: none"><li>● Visiting researcher</li></ul>  |
| 2006 – 2008 | <b>Institute of Hydrobiology, Chinese Academy of Science</b> <ul style="list-style-type: none"><li>● Postdoctoral fellow</li></ul>  |
| 2005 – 2005 | <b>Tongji Medical College of Huazhong University of Science and Technology</b> <ul style="list-style-type: none"><li>● Advanced study for physiological theory and experimental skills</li></ul>  |
| 1998 – 2003 | <b>College of Fisheries, Huazhong Agricultural University</b> <ul style="list-style-type: none"><li>● Ph.D. in Aquaculture</li><li>● Thesis titled “Effect of environmental factors on growth of Amur sturgeon (<i>Acipenser schrenckii</i>) and its mechanism”</li></ul> |
| 1994 – 1998 | <b>College of Fisheries, Huazhong Agricultural University</b> <ul style="list-style-type: none"><li>● B.A. of Aquaculture</li><li>● Thesis titled “The toxic effect of decamethrin on the early development of grass carp, <i>Ctenopharyngodon idella</i>”</li></ul>      |

**PROFESSIONAL EXPERIENCE**

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| 2003 – Present | Work for the College of Fisheries, Huazhong Agricultural University <ul style="list-style-type: none"><li>● Teaching Animal Physiology and Animal Physiology Experiments for undergraduates, and Field Methods for Natural</li></ul> |
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Conservation for graduates.

- Participating in graduate teaching of Advanced Animal Physiology & Biochemistry and Experimental Methodology of Animal Physiology & Biochemistry.
- Research on the skills in freshwater aquaculture
- Research on fish stress and welfare

## RESEARCH FIELDS

- **Environmental biology of fishes:** in particular research into the effect of natural environmental factors (such as photoperiod and temperature) and organic and chemical compounds (such as algal toxins and pesticides) on development, growth, behavior, antioxidant system, reproduction, and related gene expressions of fishes
- **Fish physiology:** especially study on hematology and endocrinology of fishes
- **Aquaculture:** sturgeon culture, study on the patterns of pond culture, breeding skills, and artificial reproduction

## RESEARCH GRANTS AWARDED

- Earmarked Fund for China Agriculture Research System (2016-2025)
- National Key Research and Development Program of China (2019-2022),
- National Natural Science Foundation of China (2010-2012)
- National Key Technology R&D Program in the 11th Five-Year Plan of China (2008-2010)
- Key Technology R&D Project of Hubei Province (2007-2010)
- The Scientific and Technological Innovation Funds of Huazhong Agricultural University (2003-2005)
- The Open Funds of the Key Laboratory of Marine and Estuarine Fisheries, Ministry of Agriculture of the People's Republic of China (2003-2005)

## SELECTED PUBLICATIONS

### ● JOURNALS

Lu, J., Li, S., He, X., Tang, R., Li, D., 2022. An in-pond tank culture system for high-intensive fish production: Effect of stocking density on growth of grass carp (*Ctenopharyngodon idella* Valenciennes, 1844) and blunt snout bream (*Megalobrama amblycephala* Yih, 1955). *Aquaculture*, 549, 737808. (SCI, IF=4.242)

Zhang, L., Xu, N., Liu, X., Onxayvieng, K., Liu, L., Tang, R., Li, D., 2021. Exercise training accelerates UPS- and mTOR-mediated protein turnover of grass carp *Ctenopharyngodon idella*. *Aquaculture*, 545, 737252. (SCI, IF=4.242)

Onxayvieng, K., Piria, M., Fuka, M., Gavrilović, A., Liang, X., Liu, L., Tang, R., Li, L., Li, D.\*, 2021. High stocking density alters growth performance, blood biochemical profiles, and hepatic antioxidative capacity in gibel carp (*Carassius gibelio*). *Fish Physiology and Biochemistry*, 47, 203–212.

Lihan Zhang, Qiushi Yang, Weitong Xu, Zhaojun Wu, Dapeng Li. 2021. Integrated Analysis of miR-430 on steroidogenesis-related gene expression of larval rice field eel *Monopterus albus*. International journal of molecular sciences, 22(13): 6994

Gao, Y., Liu, Z., Jia, D., Hu, Q., Li, L., Tang, R., Li, D.\*, 2020. Acute microcystin-LR exposure interfere thyroid hormones homeostasis in adult zebrafish (*Danio rerio*). Chemosphere, 243: 125258.

Hu, Q., Liu, Z., Gao, Y., Jia, D., Tang, R., Li, L., Li, D.\*, 2020. Waterborne exposure to microcystin-LR alters thyroid hormone levels, iodothyronine deiodinase activities, and gene transcriptions in juvenile zebrafish (*Danio rerio*). Chemosphere, 243: 125037.

Zhang, Z., Li, D.\*, Xu, W., Tang, R., Li, L., 2019. Microbiome of co-cultured fish exhibits host Selection and niche differentiation at the organ scale. Frontiers in Microbiology, 10: 2576.

Zhang, X., Wang, J., Tang, R., Li, L., Takagi, Y., Li, D.\*, 2019. Improvement of muscle quality of grass carp (*Ctenopharyngodon idellus*) with a bio-floating bed in culture ponds. Frontiers in Physiology, 10: 683.

Zhang, Z., Li, D.\*, 2018. Thermal processing of food reduces gut microbiota diversity of the host and triggers adaptation of the microbiota: evidence from two vertebrates. Microbiome, 6: 99 (doi 10.1186/s40168-018-0471-y)

Zhao, H., Chong, J., Tang, R., Li, L., Li, D. \*, Xia, J. \*, 2018. Metabolomics investigation of dietary effects on flesh quality in grass carp (*Ctenopharyngodon idellus*). GigaScience, 7 (10): giy111

Refaey, M., Li, D.\*, 2018. Transport stress changes blood biochemistry, antioxidant defense system, and hepatic HSPs mRNA expressions of channel catfish *Ictalurus punctatus*. Frontiers in Physiology, 9: 1628.

Sun, Y.#, Liang, X. #, Chen, J., Tang, R., Li, L., Li, D. \*, 2018. Change in ubiquitin proteasome system of grass carp *Ctenopharyngodon idellus* reared in the different stocking densities. Frontiers in Physiology, 9: 837.

● **BOOKS**

Li., D., Xie, C., He, X., Tang, R., Tian, X., Zhang, Z., Gao, Y. The success of yellow catfish aquaculture in China: From rare wild fish to popular farmed fish. In Gui, J., Tang, Q., Li., Z., Liu, J., De Silva, S. (Eds), Aquaculture in China: Success Stories and Modern Trends. Wiley Blackwell, 2018, ISBN: 978-1-119-12074-2. Pp. 270-282.

Li., D., Xie, C., He, X., Qi, C., Gao, Y., Liang, X. Channel catfish culture. In Gui, J., Tang, Q., Li., Z., Liu, J., De Silva, S. (Eds), Aquaculture in China: Success Stories and Modern Trends. Wiley Blackwell, 2018, ISBN: 978-1-119-12074-2. Pp. 393-403.

Zhuang, P., Li, D., Wang, L. The Technique of Amur Sturgeon Culture. Wuhan: Hubei Science and Technology Press, 2000. (in Chinese)