

YANXIAN LI

I'm a feed formulator at an aquafeed company based in Vietnam. My research experiences include fish nutrition, digestive physiology, gut health, and microbiome.



WORK EXPERIENCE

- Present | 2022.06
● **Feed formulator**
Section of aquafeed, Haid Research Institute
📍 Guangdong Haid Group Co., Ltd.
 - Fish feed formulation; product management; research & development
- 2022.05 | 2021.11
● **Postdoc research fellow**
The Nutrition and Health Unit, PARAFAG
📍 Norwegian University of Life Sciences
 - Development of a static *in vitro* feed digestion model in rainbow trout

EDUCATION

- 2021.10 | 2015.09
● **Ph.D., Veterinary Science**
Norwegian University of Life Sciences
📍 Oslo, NOR
 - Thesis: Insect larvae meal as a feed ingredient for Atlantic salmon (*Salmo salar*): Effects on intestinal function, health, and microbiota
- 2015.06 | 2012.09
● **M.S., Aquaculture**
Ocean University of China
📍 Qingdao, CN
 - Thesis: Tolerance and safety assessment of daidzein in gibel carp (*Carassius auratus gibelio*), and cobalt dichloride in turbot (*Scophthalmus maximus*)
- 2012.06 | 2008.09
● **B.S., Aquaculture**
Fujian Agriculture and forestry University
📍 Fuzhou, CN

CONFERENCE PROCEEDINGS

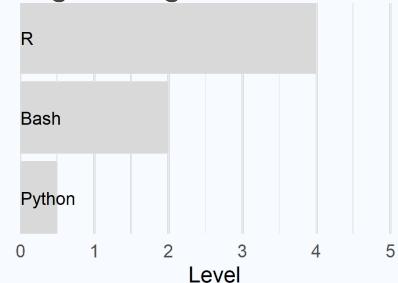
- 2019
● **Intestinal health and microbiota of post-smolt Atlantic salmon fed insect meal diet**
Aquaculture Europe, October 2019
📍 Berlin, Germany

CONTACT

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- 🐦 Twitter: @li_yanxian
- 🐙 GitHub: @yanxianli
- 🏡 yanxianli.com

SKILLS

Programming



Bioinformatics

16S amplicon sequencing

Statistics

Mixed effects models
Multivariate statistics

2018

- Intestinal health and function of pre-smolt Atlantic salmon fed insect meal diet

18th International Symposium on Fish Nutrition and Feeding, June 2018

📍 Las Palmas, Spain

2021

- Anatomy, immunology, digestive physiology and microbiota of the salmonid intestine: Knowns and unknowns under the impact of an expanding industrialized production. [doi:10.1016/j.fsi.2020.09.032](https://doi.org/10.1016/j.fsi.2020.09.032)
Fish Shellfish Immunol 107, 172-186.
 - Bjorgen H*, Li Y*, Kortner TM, Krogdahl A, Koppang EO.
 - *Co-first author
- Differential response of digesta- and mucosa-associated intestinal microbiota to dietary insect meal during the seawater phase of Atlantic salmon. [doi:10.1186/s42523-020-00071-3](https://doi.org/10.1186/s42523-020-00071-3)
Animal Microbiome 3 (1), 1-18.
 - Li Y*, Bruni L*, Jaramillo-Torres A, Gajardo K, Kortner TM, Krogdahl A.
 - *Co-first author
- Consistent changes in the intestinal microbiota of Atlantic salmon fed insect meal diets. [doi:10.1186/s42523-021-00159-4](https://doi.org/10.1186/s42523-021-00159-4)
Animal Microbiome 4 (1), 1-15.
 - Li Y, Gajardo K, Jaramillo-Torres A, Kortner TM, Krogdahl A.

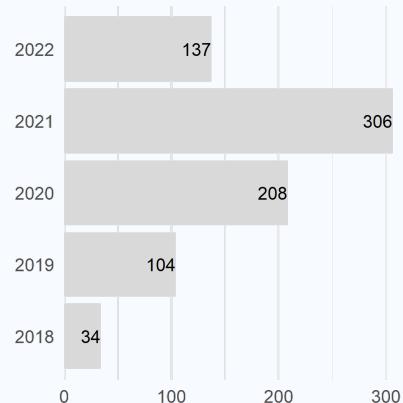
2020

- Total replacement of fish meal with black soldier fly (*Hermetia illucens*) larvae meal does not compromise the gut health of Atlantic salmon (*Salmo salar*). [doi:10.1016/j.aquaculture.2020.734967](https://doi.org/10.1016/j.aquaculture.2020.734967)
Aquaculture 520, 734967.
 - Li Y, Kortner TM, Chikwati EM, Belghit I, Lock E-J, Krogdahl A.
- Gut immune functions and health in Atlantic salmon (*Salmo salar*) from late freshwater stage until one year in seawater and effects of functional ingredients: A case study from a commercial sized research site in the Arctic region. [doi:10.1016/j.fsi.2020.09.019](https://doi.org/10.1016/j.fsi.2020.09.019)
Fish Shellfish Immunol 106, 1106-1119.
 - Wang J, Kortner TM, Chikwati EM, Li Y, Jaramillo-Torres A, Jakobsen JV, Ravndal J, Brevik OJ, Einen O, Krogdahl A.

2019

- Black soldier fly larvae meal can replace fish meal in diets of sea-water phase Atlantic salmon (*Salmo salar*).
[doi:10.1016/j.aquaculture.2018.12.032](https://doi.org/10.1016/j.aquaculture.2018.12.032)
Aquaculture 503, 609-619.
 - Belghit I, Liland NS, Gjesdal P, Biancarosa I, Menchetti E, Li Y, Waagbo R, Krogdahl A, Lock E-J.

- Citation = 800
- H-index = 13
- I10-index = 16



Data from Google Scholar

2018

- Removal of three proteinaceous antinutrients from soybean does not mitigate soybean-induced enteritis in Atlantic salmon (*Salmo salar*, L).
[doi:10.1016/j.aquaculture.2019.734495](https://doi.org/10.1016/j.aquaculture.2019.734495)
Aquaculture 514, 734495.
 - Krogdahl A, Kortner TM, Jaramillo-Torres A, Gamil AAA, Chikwati E, Li Y, Schmidt M, Herman E, Hymowitz T, Teimouri SA.
 - Gut health and vaccination response in pre-smolt Atlantic salmon (*Salmo salar*) fed black soldier fly (*Hermetia illucens*) larvae meal.
[doi:10.1016/j.fsi.2018.12.057](https://doi.org/10.1016/j.fsi.2018.12.057)
Fish Shellfish Immunol 86, 1106-1113.
 - Li Y, Kortner TM, Chikwati EM, Munang'andu HM, Lock E-J, Krogdahl A.
 - Citric acid as a functional supplement in diets for juvenile turbot, *Scophthalmus maximus* L.: Effects on phosphorus discharge, growth performance, and intestinal health.
[doi:10.1016/j.aquaculture.2018.04.004](https://doi.org/10.1016/j.aquaculture.2018.04.004)
Aquaculture 495, 643-653.
 - Dai J*, Li Y*, Yang P, Liu Y, Chen Z, Ou W, Ai Q, Zhang W, Zhang Y, Mai K.
• Co-first author
 - Dietary stachyose altered the intestinal microbiota profile and improved the intestinal mucosal barrier function of juvenile turbot, *Scophthalmus maximus* L. [doi:10.1111/are.13608](https://doi.org/10.1111/are.13608)
Aquaculture 486, 98-106.
 - Yang P, Hu H, Liu Y, Li Y, Ai Q, Xu W, Zhang W, Zhang Y, Zhang Y, Mai K.
 - Potential of insect-based diets for Atlantic salmon (*Salmo salar*).
[doi:10.1016/j.aquaculture.2018.03.016](https://doi.org/10.1016/j.aquaculture.2018.03.016)
Aquaculture 491, 72-81.
 - Belghit I, Liland NS, Waagbo R, Biancarosa I, Pelusio N, Li Y, Krogdahl A, Lock E-J.
- 2017
- Dietary soya allergen β -conglycinin induces intestinal inflammatory reactions, serum-specific antibody response and growth reduction in a carnivorous fish species, turbot *Scophthalmus maximus* L.
[doi:10.1111/are.13224](https://doi.org/10.1111/are.13224)
Aquaculture Research 48, 4022-4037.
 - Li Y*, Hu H*, Liu J, Yang P, Zhang Y, Ai Q, Xu W, Zhang W, Mai K.
• Co-first author
 - Effects of dietary glycinin on the growth performance, digestion, intestinal morphology and bacterial community of juvenile turbot, *Scophthalmus maximus* L. [doi:10.1016/j.aquaculture.2017.05.008](https://doi.org/10.1016/j.aquaculture.2017.05.008)
Aquaculture 479, 125-133.
 - Li Y, Yang P, Zhang Y, Ai Q, Xu W, Zhang W, Zhang Y, Hu H, Liu J, Mai K.