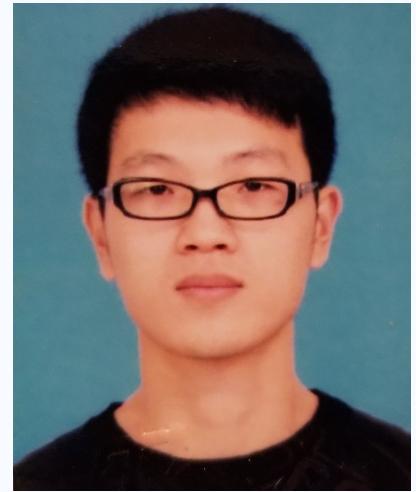


# YANXIAN LI

I'm a Ph.D. research fellow at [Norwegian University of Life Sciences](#). My research interests include aquaculture, fish nutrition, gut health and microbiome.



## RESEARCH EXPERIENCE

2021  
|  
2015

- **Ph.D. research fellow**  
The Nutrition and Health Unit, PARAFAG  
📍 Norwegian University of Life Sciences
  - Potential of insects as alternative feed ingredients for salmon farming

2015  
|  
2013

- **Master student**  
The Key Laboratory of Mariculture, Ministry of Education  
📍 Ocean University of China
  - Antinutritional effects of soya allergens,  $\beta$ -conglycinin and glycinin, on the growth and health of turbot

2013  
|  
2012

- **Master student**  
The Key Laboratory of Mariculture, Ministry of Education  
📍 Ocean University of China
  - Tolerance and safety assessment of feed additives used in aquaculture

## EDUCATION

2021  
|  
2015

- **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  
|  
2012

- **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  
|  
2008

- **B.S., Aquaculture**  
Fujian Agriculture and forestry University  
📍 Fuzhou, CN

## CONFERENCE PROCEEDINGS

2019

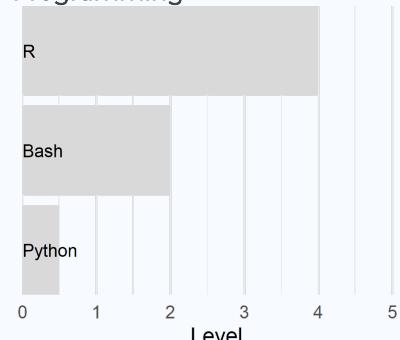
- **Intestinal health and microbiota of post-smolt Atlantic salmon fed insect meal diet**  
Aquaculture Europe 2019, Oct  
📍 Berlin, Germany

## CONTACT

- ✉ yanxianl@nmbu.no  
🐦 Twitter: @li\_yanxian  
🔗 GitHub: @yanxianl  
🏡 yanxianli.com

## SKILLS

### Programming



### Bioinformatics

16S amplicon data analysis

2018

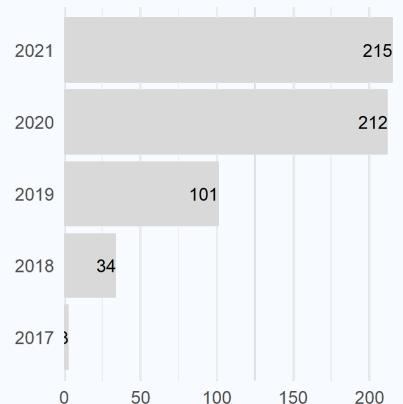
- Intestinal health and function of pre-smolt Atlantic salmon fed insect meal diet  
18th International Symposium on Fish Nutrition and Feeding, June 2018  
Las Palmas, Spain

2021

## RECENT PUBLICATIONS

- 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, 8.
  - 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:10.1101/2021.07.04.451034](https://doi.org/10.1101/2021.07.04.451034)  
*bioRxiv*
  - Li Y, Gajardo K, Jaramillo-Torres A, Kortner TM, Krogdahl A.
- 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.
- 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 = 571
- H-index = 11
- I10-index = 13



Data from Google Scholar

- 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.
- 2018  
 ● 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.
- Dietary arginine supplementation mitigates the soybean meal induced enteropathy in juvenile turbot, *Scophthalmus maximus* L. [doi:10.1111/are.13608](https://doi.org/10.1111/are.13608)  
*Aquaculture Research* 49(4), 1535-1545.  
 · Chen Z, Liu Y, Li Y, Yang P, Hu H, Yu G, Ai Q, Xu W, Zhang W, Zhang Y, Zhang Y.
- 2017  
 ● Dietary soya allergen  $\beta$ -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.