

## CURRICULUM VITAE

### Personal information

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Name: **Thi Mai NGUYEN**  
Date of Birth: 24.08.1985  
Postal address: Department of Aquaculture Nutrition and Feed  
Faculty of Fisheries  
Vietnam National University of Agriculture  
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### Education

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*Doctor degree: 2015 - 2020*

PhD in Biological Sciences,  
URBE, ILEE,  
University of Namur,  
Namur, Belgium

*Master degree: 2010 - 2012*

Master in Aquatic Sciences,  
Agrocampus Ouest University,  
Rennes, France

*Bachelor degree: 2003 - 2007*

Engineer in Aquaculture  
Hanoi University of Agriculture  
Hanoi, Vietnam

### Professional experience

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**2008 – today**

Lecturer/researcher position  
Faculty of Fisheries  
Vietnam National University of Agriculture  
Hanoi, Vietnam

### Foreign language

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English: Good  
French: Good

### Research fields

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Aquaculture  
Biotechnology applied in Aquaculture  
Fish immunology  
Fish nutrition

### Projects

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1. Study on the effect of dietary peptidoglycan and probiotic on growth, feed utilisation, immune response, and pathogen resistance in striped catfish *Pangasianodon hypophthalmus*. 2022-2024. *Funded by* International foundation for Science (IFS). *Coordinator*
  2. Study on the dietary supplementation of peptidoglycan on growth and resistance against to *Streptococcus* sp. in Nile tilapia *Oreochromis niloticus*. 2022. *Funded by* Vietnam National University of Agriculture, Vietnam. *Participant*
  3. Study on the effect of the supplementation of plant oil in diet on growth and flesh quality in Nile tilapia. 2022-2023. *Funded by* MARD, Vietnam. *Coordinator*
  4. Study on the immunomodulation capacity of docosahexaenoic acid (DHA) supplemented in diet of common carp (*Cyprinus carpio*). 2021-2022. *Funded by* ARES-CCD, Belgium. *Coordinator*
  5. Study on the influence of plant oil-based diet on immune and pro-inflammatory responses in common carp (*Cyprinus carpio*). 2020-2022. *Funded by* Vietnam National University of Agriculture, Vietnam. *Coordinator*
  6. Study on the diseases in Nile tilapia caused by *Edwardsiella ictaluri* and *Aeromonas hydrophila* bacteria. 2020-2021. *Funded by* MARD, Vietnam. *Participant*
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7. Effect of combination of vegetable oil with immunostimulant (beta-glucan) in diet on growth and immune response in juvenile common carp (*Cyprinus carpio*). 2016-2017. *Funded by ARES-CCD, Belgium. Coordinator*
8. Evaluation of growth performance of some silver pompano populations (*Trachinotus blochii*) in Vietnam. 2014-2016. *Funded by MARD, Vietnam. Coordinator*
9. The effect of dietary lipid sources on nutritional quality and fish immune functions of common carp *Cyprinus carpio*, an important aquaculture species in North Vietnam. 2015-2017. *Funded by ARES-CCD, Belgium. Participant*
10. Study on reproduction technique in track eel (*Mastacembelus armatus*). 2013-2014. *Funded by Vietnam National University of Agriculture, Vietnam. Coordinator*

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## Publications

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- Nguyen, T. M.**, Nguyen, T. H., Do, T. N. A., Nguyen, H. P., & Tran Thi, N. T. (2022). Influence of dietary fat sources on growth, bacterial resistance, and antioxidant ability of liver in common carp, *Cyprinus carpio*. *International Journal of Aquatic Biology*, 10(6), 460–473. <https://doi.org/10.22034/ijab.v10i6.1696>
- Thi Mai Nguyen** (2022) Influence of temperature on the sexual conversion rate in Nile tilapia (*Oreochromis niloticus*) by hormone 17 $\alpha$  – Methyltestosterone. *Fisheries information bulletin*. Vol 8
- Thi Mai Nguyen**, Patrick Kestemont, Julie Mellery, Yvan Larondelle, Syaghalirwa N.M. Mandiki, Nang Thu Tran Thi. Digestibility of Different Plant-derived Oils and their Influence on Fatty Acid Composition in the Liver and Muscle of Juvenile Common Carp (*Cyprinus Carpio*) (2022) *Vietnam Journal of Agricultural Sciences*. Vol 5, 3
- Pamphile S. Agbohessou, Syaghalirwa N.M. Mandiki, Serge R. Mbondo Biyong, Valerie Cornet, **Thi Mai Nguyen**, Jerome Lambert, Thierry Jauniaux, Philippe A. Laleye, Patrick Kestemont (2022) Intestinal histopathology and immune responses following *Escherichia coli* lipopolysaccharide challenge in Nile tilapia fed enriched black soldier fly larval (BSF) meal supplemented with chitinase. *Fish and Shellfish Immunology*, 128, 620-633.
- Thi Mai Nguyen**, Pamphile S. Agbohessou, Thu Hang Nguyen, Nang Thu Tran Thi, Patrick Kestemont (2022) Immune responses and acute inflammation in common carp *Cyprinus carpio* injected by *E.coli* lipopolysaccharide (LPS) as affected by dietary oils. *Fish and Shellfish Immunology*, 122, 1-12
- Tran Anh Tuyet, **Thi Mai Nguyen**, Nguyen Thi Dung, Tran Thi Nang Thu (2022). Effect of Dietary Fucoidan Supplementation on Growth of Nile Tilapia (*Oreochromis niloticus*) Fingerlings and Improvement of Survival Rate of Fish when Infected with *Aeromonas veronii*. *Vietnam J. Agri. Sci.* 2022, Vol. 20, No. 2: 256-265
- Nguyen Thi Mai**, Do Thi Ngoc Anh, Truong Dinh Hoai, Tran Thi Nang Thu Study on the toxicity ability and 50% lethal dose of *Aeromonas veronii* in common carp *Cyprinus carpio* (2021) *Science and technology journal of Agriculture and Rural development*. October 2021
- Thi Mai Nguyen**, Syaghalirwa N.M. Mandiki, Jean M.A.J. Salomon, Joel Bondekwe Baruti, Nang Thu Tran Thi, Thu Hang Nguyen, Truong Quynh Nhu, and Patrick Kestemont (2021). Pro- and anti-inflammatory responses of common carp *Cyprinus carpio* head kidney leukocytes to *E.coli* LPS as modified by different dietary plant oils. *Developmental and comparative immunology*, 103828.
- Thu Hang Nguyen, Amandine Nachtergaeel, **Thi Mai Nguyen**, Valérie Cornet, Pierre Duez, Marc Muller, Duong Thi Ly Huong, Patrick Kestemont (2020) Anti-inflammatory properties of the ethanol extract from *Clerodendrum cyrtophyllum* Turcz based on in vitro and in vivo studies. *J Ethnopharmacol*, 254:112739, doi: 10.1016/j.jep.2020.112739.

- Thu Hang Nguyen, Hong Diep Le, Thanh Nguyen Thi Kim, Hai Pham The, **Thi Mai Nguyen**, Valérie Cornet, Jérôme Lambert and Patrick Kestemont (2020) Anti-Inflammatory and Antioxidant Properties of the Ethanol Extract of Clerodendrum Cyrtophyllum Turcz in Copper Sulfate-Induced inflammation in Zebrafish. *Antioxidants*, 9, 192; doi:10.3390/antiox9030192.
- Thi Mai Nguyen**, Syaghalirwa N.M. Mandiki, Curie Ganse, Thi Nang Thu Tran, Thu Hang Nguyen, Patrick Kestemont (2019) A combined in vivo and in vitro approach to evaluate the influence of linseed oil or sesame oil and their combination on innate immune competence and eicosanoid metabolism processes in common carp (*Cyprinus carpio*), *Developmental and Comparative Immunology*, 102, doi.org/10.1016/j.dci.2019.103488.
- Thi Mai Nguyen**, Syaghalirwa N.M. Mandiki, Thi Nang Thu Tran, Yvan Larondelle, Julie Mellery, Eric Mignolet, Valérie Cornet, Enora Flamiona, Patrick Kestemont (2019) Growth performance and immune status in common carp *Cyprinus carpio* as affected by plant oil-based diets complemented with  $\beta$ -glucan. *Fish and Shellfish Immunology*, 92, 288-299 doi.org/10.1016/j.fsi.2019.06.011.
- Do Anh Duy, Tran Van Huong, Bui Minh Tuan, Nguyen Van Hieu, **Thi Mai Nguyen**, Dang Diem Hong Species diversity of seaweed around ly son island, quang ngai province (2019) *Hue University Journal of Science*. Vol.128 (1A), 51–72; DOI: 10.26459/hueuni-jns.v128i1A.5114
- Nguyen Thi Mai**, Le Van Toan, Tran The Muu, Tran Anh Tuyet, Nguyen Thi Dung, Nguyen Huu Ninh (2019) Growth comparison of several golden pompano (*Trachinotus blochii*) populations in Vietnam, *Journal of Animal husbandry sciences and technics*, 242, 15-19.
- Nguyen Thi Mai**, Tran Thi Nang Thu (2016) Study of growth in silver pompano (*Trachinotus sp.*) using different feed sources. *Science and technology journal of agriculture and rural development*, 297, 88-93.
- Nguyen Thi Huong, Vu Thi Trang, Le Van Toan, **Nguyen Thi Mai** (2016) Molecular application in classification of reared silver pompano species in Vietnam. *Science and technology journal of agriculture and rural development*, 286, 102-109.
- Nguyen Thi Mai**, Tran Anh Tuyet, Vu Quang Que (2016) Study of replacing ability of live feed by industrial feed in Track Eel (*Mastacembelus armatus*) juvenile, *Journal of Animal husbandry sciences and technics*, 237, 21-25.