Riyad Taguemount PhD

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PROFILE

Motivated aquaculture researcher and recent PhD graduate from Universiti Malaysia Terengganu, specializing in innovative and sustainable practices for freshwater prawn cultivation. Demonstrated success in optimizing feed formulations using functional additives, and adept at hatchery operations and water quality management. A published author with a sound research background focused on enhancing nutrition, reproductive performance, and larviculture in prawn species. Eager to contribute to a forward-thinking organization with skills in research, data analysis, and sustainable aquaculture development.

EDUCATION

Aquaculture | PhD
Universiti Malaysia Terengganu (UMT) ▪ Terengganu ▪ Malaysia
2019 – 2025
Functional feed additives in *Macrobrachium rosenbergii* larviculture: Effects on growth, survival, rearing period, and non-specific immune response

My PhD Involved:

- Conducting research on the larviculture of the giant freshwater prawn *Macrobrachium rosenbergii*.
- Investigating the effects of functional feed additives, particularly plant-based immunostimulants, on larval growth, survival, physiological responses, and histological development.
- Applying histological techniques to assess the morphological and physiological changes in larval tissues as part of your PhD thesis.
- Contributing to improving aquaculture practices by formulating and testing feeds that enhance larval health and increase production efficiency.
- Collecting and analyzing biological data to support the understanding of larval nutrition and immune responses under intensive culture conditions.

Marine Science, option fisheries | Engineer/Master
École Nationale Supérieure des Sciences de la Mer et de L'aménagement du Littoral (ENSSMAL)
2010 – 2015
During my master's program, I was given a certificate for my positive attitude. I have also gone to a lot of training sessions, workshops, and conferences to learn more and get better at what I do.

WORK EXPERIENCE

Researcher at Shrimp farming pilot farm
The national Center for Research and Development of Fisheries and Aquaculture (CNRDPA) ▪ La Marsa ▪ Algeria
03/2025-persent

Diver and Fish Farm Floating Cage Operator
Hypone Aquacole ▪ Boumerdès ▪ Algeria
2018 – 2019
Responsible for caring for and maintaining the fish, improving their health and growth, and making sure that the business is running well and will last.

Research assistant
Universiti Malaysia Terengganu ▪ Terengganu ▪ Malaysia
Led a project to improve *Macrobrachium rosenbergii* larvae feeding with sodium alginate as a binder and floating catalyst, resulting in improved growth performance and long-term aquaculture potential.
2022 – 2023

Aquaculture specialist
Jabatan pertanian: Sematan ▪ Sarawak ▪ Malaysia
A training in Indoor Fish Farm where I could culture *Macrobrachium rosenbergii*, Asian sea bass, and tilapia (sea water)
12/2022

PAPER PRESENTED

1st International Postgraduate Symposium on Food Security (IPSyoFS-22).
Universiti Malaysia Terengganu
Better growth performance and sustainable aquaculture potential

July 25, 2022

10th National and 6th International Symposium on Marine and Fisheries.
Faculty of Marine Science and Fisheries, Hasanuddin University

10th -11th June 2023

2nd International Postgraduate Symposium on Agriculture and Food Science (IPSyAFS-23).
Universiti Malaysia Terengganu

-7th Aug 2023

3rd International Postgraduate Symposium on Food Security (IPSyOFS-24).
Universiti Malaysia Terengganu

7th-8th Aug 202416th

1st International Aquaculture Workshop.
National Centre for Research and Development of Fisheries and Aquaculture (CNRDPA)

05th June 2025

PUBLICATION

Aquaculture in Algeria: current status, analysis, and considerations for commercial development, Asian Journal of Fisheries and Aquatic Research

Taguemount, R, Selmani, R, and Imami, M. (2023)

Dietary supplements of β-1,3/1,6-glucan derived from baker's yeast results in enhanced seed production and robustness in larvae of the freshwater prawn *Macrobrachium rosenbergii* (De Man, 1879). Aquaculture International

Taguemount, R., Pratoomyot, J., Shinn, A.P. et al. (2024)

Sustainable aquaculture of West African freshwater prawns *Macrobrachium vollenhovenii* (Herklots, 1857) and *M. macrobrachion* (Herklots, 1851) (Decapoda: Caridea: Palaemonidae). Journal of Crustacean Biology

Taguemount, R. (2024)

Larviculture of freshwater prawn Macrobrachium spp. Spence bate, 1868 (Decapoda, Palaemonidae): a comprehensive review. Crustaceana

Taguemount, R. (2025)

The effect of *Centella asiatica*-supplemented diets on larval performance and production of *Macrobrachium rosenbergii* (De Man, 1879). Egyptian Journal of Aquatic Biology and Fisheries

Taguemount, R., Pratoomyot, J., Shinn, A. P., et al. (2024)

Contact information of three professional referees

Dr Rasina rasid

rasinarasid@gmail.com, +6011-1182 7273

Prof. Dr Andrew SHINN

a.shinn@inveaquaculture.com, +66 92 360 9119

Dr Jarunan Pratoomyot

jarunan@buu.ac.th, +66 038-391-671

Languages

Kabyle: Native speaker

Arab: Native Speaker

French: Intermediate

English: IELTS (6.5)