

## KARL MARX A. QUIAZON

Freshwater Aquaculture Center and College of Fisheries  
Central Luzon State University  
Science City of Muñoz,  
Nueva Ecija 3120, Philippines  
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### EDUCATION

1. **Post-doctoral advance research fellow**, January 2016–July 2016  
Fulbright-Philippine Agriculture Scholarship Program for Advanced Research Awards in the US  
College of Charleston, South Carolina, USA  
Research topic: Anisakid nematodes as biological tags for fish stock assessment on selected marine fishes with economic value commonly caught in the Philippine and American waters.
2. **Post doctoral research fellow**, November 28, 2011–November 27, 2013  
JSPS Postdoctoral Fellowship for Foreign Researchers  
The University of Tokyo, JAPAN  
Research topic: Allergens, in-host migration and geographical distribution of two zoonotic *Anisakis* sibling species
3. **Ph.D. Aquatic biosciences (Fish Diseases)**, April 2006 –March 2009  
Monbukagakusho (Japanese Government) Scholarship  
The University of Tokyo, JAPAN  
Dissertation: “Studies on anisakid and philometrid nematodes infecting marine fishes in Japanese waters”
4. **M.S. Aquatic biosciences (Fish Diseases)**, March 2006  
Monbukagakusho (Japanese Government) Scholarship  
The University of Tokyo, JAPAN  
Thesis: “Studies on philometrid nematodes infecting marine fishes of Japan”
5. **M.S. Aquaculture**, March 2003  
Thesis: “Hybridization between Asian (*Clarias macrocephalus*) and African (*C. gariepinus*) catfish”  
Institute of Graduate Studies, Central Luzon State University, PHILIPPINES
6. **B.S. Inland fisheries**, March 1997  
Specialization: Aquaculture and fish diseases  
College of Fisheries, Central Luzon State University, PHILIPPINES

### LISTS OF SCIENTIFIC PUBLICATIONS

#### ISI-indexed publications

1. **Quiazon, K.M.A.**, T. Yoshinaga, H. Doi, J. Araki, and K. Ogawa. 2014. First description of male *Philometra thaiensis* Moravec, Fiala et Dyková, 2004 (Nematoda: Philometridae) from the body cavity of eyespot puffer *Tetraodon biocellatus* Tirant, 1885 and evolutionary relationships of this species with other dracunculoids as inferred from SSU rRNA gene sequences. *HELMINTHOLOGIA* 51:236–245.
2. **Quiazon, K.M.A.**, K. Zenke, and T. Yoshinaga. 2013. Molecular characterization and comparison of four *Anisakis* allergens between *Anisakis simplex* sensu stricto and *Anisakis pegreffii* in Japan. *MOLECULAR AND BIOCHEMICAL PARASITOLOGY* 190: 23–26.
3. **Quiazon, K.M.A.**, M.D. Santos, and T. Yoshinaga. 2013. *Anisakis* species (Nematoda: Anisakidae) of dwarf sperm whale *Kogia simus* (Owen, 1866) stranded off the Pacific coast of southern Philippine archipelago. *VETERINARY PARASITOLOGY*, 197: 221–230.
4. **Quiazon, K.M.A.** and T. Yoshinaga. 2013. Gonad-infecting philometrid *Philometra philippinensis* sp. nov. (Nematoda, Philometridae) from bigeye barracuda *Sphyræna forsteri* Cuvier (Sphyrænidae) off Mariveles, Bataan Province, Philippine archipelago. *ACTA PARASITOLOGICA*, 58: 504–514.
5. **Quiazon, K.M.A.** and F. Moravec. 2013. *Dentirumai philippinensis* n. gen., n. sp. (Nematoda: Philometridae): a new tissue infecting philometrid nematodes from the loach goby *Rhyacichthys aspro* (Valenciennes, 1837) (Rhyacichthyidae) in the Philippines. *JOURNAL OF HELMINTHOLOGY* 87: 59–65.
6. **Quiazon, K.M.A.**, T. Yoshinaga, and K. Ogawa. 2011. Distribution of *Anisakis* species larvae from fishes of the Japanese waters. *PARASITOLOGY INTERNATIONAL* 60: 223–226.
7. **Quiazon, K.M.A.**, T. Yoshinaga, and K. Ogawa. 2011. Experimental challenge of *Anisakis simplex* sensu stricto and *Anisakis pegreffii* (Nematoda: Anisakidae) in rainbow trout and olive flounder. *PARASITOLOGY INTERNATIONAL* 60: 126–131.

8. **Quiazon, K.M.A.**, T. Yoshinaga, K. Ogawa and M.D. Santos. 2009. Identification of larval *Anisakis* spp. (Nematoda: Anisakidae) in Alaska pollock (*Theragra chalcogramma*) in northern Japan using morphological and molecular markers. *JOURNAL OF PARASITOLOGY* 95: 1227-1232.
9. **Quiazon, K.M.A.**, T. Yoshinaga, and K. Ogawa. 2008a. Taxonomical study into two new species of *Philometra* (Nematoda: Philometridae) previously identified as *Philometra lateolabracis* (Yamaguti, 1935). *FOLIA PARASITOLOGICA* 55: 29-41.
10. **Quiazon, K.M.A.**, T. Yoshinaga, K. Ogawa, and R. Yukami. 2008b. Morphological differences between larvae and *in vitro*-cultured adults of *Anisakis simplex* (sensu stricto) and *Anisakis pegreffii* (Nematoda: Anisakidae). *PARASITOLOGY INTERNATIONAL* 57: 483-489.
11. **Quiazon, K.M.A.**, T. Yoshinaga, and K. Ogawa. 2008c. *Philometra sawara* sp.n. and a redescription of *Philometra sciaenae* Yamaguti, 1945 and *Philometra nemipteri* Luo, 2001 (Nematoda: Philometridae): a morphological and molecular approach. *FOLIA PARASITOLOGICA* 55: 277-290.

**Non ISI-indexed international refereed publications**

1. **Quiazon, K.M.A.** 2015. Updates on aquatic parasites in fisheries: Implications to food safety, food security and environmental protection. *Journal of Coastal Zone Management*. 18: 396. Doi: 10.4172/jczm.1000396.
2. **Quiazon, K.M.A.**, T. Yoshinaga, and K. Ogawa. 2010. Taxonomic note on the redescription of *Philometroides seriolae* (Ishii, 1931) infecting Japanese amberjack (*Seriola quinqueradiata* Temminck et Schlegel, 1845) in Japan. *THE JOURNAL OF TROPICAL BIOLOGY* 8: 29–34.
3. **Quiazon, K.M.A.**, Sanchez, G.C., Abad, G.D., Sazon, R.R., Garcia, G.G., and Rafael, M.J.R. 2012. Domination of Alien finfish catch in Pantabangan Dam, Philippines: A threat to native finfishes. *JOURNAL OF TROPICAL BIOLOGY* 10, 17-24.

**SCIENTIFIC AND ACADEMIC AWARDS**

1. **2015 Fisheries Technologists Licensure Board Exam**  
Topnocher (Top 3), Professional Regulatory Commission, Philippines
2. **2014 Outstanding Young Scientist**  
National award given by the National Academy of Science and Technology, Philippines
3. **Magna Cum Laude**  
BS Fisheries 1997

**CURRENT POSITIONS AND AFFILIATIONS**

**Academe:** Associate Professor 4 (College of Fisheries, CLSU, Phil.)

**Research:** Researcher (Freshwater Aquaculture Center, CLSU, Phil)

**RESEARCH TOPICS**

Systematic parasitology, Aquatic animal health, Aquaculture, Inland Fisheries management, Fisheries science

**RESEARCH PROJECTS**

**International**

**Project leader (Philippines)**, February 2013 – January 2016

International Consortium project (Spain, Italy, Norway, France, Faroe Islands, Germany, Denmark, Croatia, England, Netherlands, Philippines, Vietnam and China): Seventh Framework Programme - "PARasite Risk ASsessment with Integrated Tools in EU fish production value chains". (GA No: 312068)

**National**

**Project leader**, July 2010 – October 2011

CHED-HEDF GIA ZRC PCI funded project "Molecular and conventional screening of parasites as biological tag for stock assessment of freshwater fishes and as an indicator for environmental stress in inland bodies of water in Central Luzon, Philippines"

**Project leader**, May 2009 – October 2011

DOST-GIA funded project "Serotyping of freshwater fish bacterial pathogens for vaccine development" under a program entitled "Application of biotechnology on growth and health management of Nile tilapia and Pacific white shrimp"

## INTERNATIONAL ACTIVITIES

**Expert Evaluator**, MIUR (Italian Ministry for Education, University and Research) for proposal under the Programme "PRIN 2010-2011".

**Expert Referee/Reviewer,**

### ***ISI-indexed International refereed Journals***

- Parasite, Parasitology, Journal of Natural History, Helminthologia, Parasitology International, Journal of Parasitology, Folia Parasitologica, Emerging Infectious Diseases; Journal of Parasitology and Vector Biology,

### ***Non-ISI-indexed International refereed Journal***

- Journal of Tropical Biology, Philippine Journal of Systematic Biology, Journal of Coastal Development

## INTERNATIONAL SEMINARS AND CONFERENCES

**Participant**, Feb 16, 2011

International Symposium and Regional Research Exposition on Biotechnology and Bioremediation, CLSU, Philippines

**Oral presenter**, Sept 9, 2010

1<sup>st</sup> International Society for Southeast Asian Agricultural Sciences Central Luzon Chapter Convention, Pampanga, Philippines

**Poster presenter**, Sept 8, 2010

1<sup>st</sup> International Research Conference and Techno Fair, Nueva Ecija, Philippines.

**Oral and poster presentation**, July 17-21, 2009

1<sup>st</sup> Asian Heads of Research Councils Joint Symposium, Nagoya, JAPAN

**Country representative**, July 22-23, 2009

International Workshop for Networking Biodiversity Observation Activities in Asia-Pacific Region, Nagoya, JAPAN

**Participant**, October 18-19, 2008

Fifth International Symposium of the Japanese Society for Fish Pathology. Tokyo, JAPAN

**Poster presenter**, October 20-24, 2008

Fifth World Fisheries Congress. Yokohama, JAPAN

**Oral and poster presenter**, October 25-28, 2007

Seventh International Symposium on Fish Parasitology. Viterbo, ITALY

**Oral presenter**, April 2006

Annual conference of the Japanese Society of Fisheries Science. Koichi, JAPAN.

**Participant**, May 2002

Tilapia International Forum. Los Baños, PHILIPPINES

## TRAININGS

**Lecturer**, March 2006-2009

International training course on Sustainable Aquaculture. JICA, Yokohama headquarter, JAPAN.

**Participant**, October 19-20, 2008

International training course on fisheries – GIS for fisheries research and management. Tokyo, JAPAN

**Participant**, May 19 – June 30, 1997

International training course on fish health management. SEAFDEC, Ilo-ilo, PHILIPPINES.

**Laboratory instructor**, 1999 – 2001

International training course on fish breeding and aquaculture operation. FAC, CLSU, PHILIPPINES.

## SCIENTIFIC ORGANIZATIONS

**Member**, September 2010 – present

International Society for Southeast Asian Agricultural Sciences Central Luzon Chapter

**Member**, December 2009 – present

Philippine Society for Biochemistry and Molecular Biology

**Member**, May 2009 – present

Philippine Association of Systematic Biologists

**Member**, March 2005 – present

Japanese Society of Fisheries Science (JSFS)

**Member**, April 2003 – present

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Science and Technology Advisory Council in Japan (STAC-J)  
**Member**, Society of Aquacultural Engineers of the Philippines (SAEP)  
**Member**, 2001 – present  
Philippine Fisheries Association (PFA)

**INTERNATIONAL ORGANIZATION**

**Member**, Free and Accepted Masons in Japan. Grand Lodge of Japan.

**BIODATA**

- **Name:** Karl Marx Andaya Quiazon
- **Date of birth:** March 6, 1976
- **Place of birth:** Angeles City
- **Marital status:** Married
- **Home address:** Roseville Heights Subdivision, Sto. Tomas, San Jose City, Nueva Ecija 3121, PHILIPPINES
- **Employer:** Freshwater Aquaculture Center and College of Fisheries, Central Luzon State University



Karl Marx A. Quiazon  
Certified true and correct