

CURRICULUM VITAE

Name: Evelyn Grace D. Ayson

Home Address: Parara Sur, Tigbauan, Iloilo, 5021 Philippines

Birthdate: October 24, 1963

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Educational Background:

- 1997-1999** Research Fellow Laboratory of Molecular Endocrinology
School of Fisheries Sciences
Kitasato University, Japan
- 1994-1995** Postdoctoral Fellow
Department of Physiology
New Jersey Medical School
New Jersey, U.S.A.
- 1990-1993** Doctor of Science (Zoology) Specialization in Fish Physiology and
Endocrinology Ocean Research Institute University of Tokyo,
Tokyo, Japan
Research topic: Studies on the hormonal regulation of metamorphosis
in the Japanese flounder, *Paralichthys olivaceus*
- 1988-1990** Master of Science (Zoology)
Specialization in Fish Physiology and Endocrinology
Ocean Research Institute
University of Tokyo, Tokyo, Japan
Research topic: The developmental actions of thyroid hormones and
cortisol on the Japanese flounder (*Paralichthys olivaceus*) and the
chum salmon (*Oncorhynchus keta*)
- 1979-1983** Bachelor of Science in Biology
Specialization in Cell Biology
University of the Philippines at Los Baños
College, Laguna, Philippines

Work Experience:

2006 - Present **Scientist**
SEAFDEC Aquaculture Department

Concurrent positions:

Head, Research Division (2006-2011)

Head, Training and Information Division (2012-2015)

Head, Research Division (May 2015 to September 2017)

Description of work:

As Scientist, I conduct my own research/collaborate with other researchers in developing captive breeding, seed production and farming techniques for the pompano; developing captive breeding and seed production techniques for giant grouper and other important grouper species, determining the effect of age on the reproductive performance of milkfish, looking at the impact of climate change/global warming (increased water/rearing temperature) on breeding and recruitment of marine fish species like rabbitfish, sea bass and milkfish, refining transport techniques for advanced milkfish juveniles and looking at compensatory growth mechanisms and how these can be harnessed in milkfish grow-out culture. I also serve as resource person in SEAFDEC AQD's national and international training courses particularly on topics such as broodstock management and fish hatchery operations, biology of fish larvae, reproductive biology of selected finfishes, grow-out culture of selected finfishes, and biotechnology in aquaculture. I review proposals/grant applications as well as manuscripts for publication in various aquaculture, fish physiology and endocrinology, and marine biotechnology related scientific journals.

As Head of the Research Division, I was responsible for setting the research directions of SEAFDEC/AQD. I was responsible for the review of proposals and progress reports. I was likewise responsible for determining the staffing needs of the Division and implemented the mentoring program for junior researchers. I was also at the forefront of organizing Regional Technical Consultations on important issues in sustainable aquaculture that SEAFDEC/AQD convened in collaboration with SEAFDEC member countries.

As Head of the Training and Information Division, I was responsible for the overall implementation of training and information dissemination activities of SEAFDEC/AQD. I spearheaded the review (and repackaging if necessary) of regular training courses, as well as designing courses based on the needs and interests of the participants/requesting party. I identified technology packages for which aquaculture extension manuals can already be written and facilitated its publication.

Also serves as, the marine fish focal person and team leader and is responsible for overall in charge of the marine fish broodstock and seed production facilities and the operations of the Integrated Milkfish Hatchery and the Marine Fish Hatchery. Acted as Program Leader for the Adaptation to Climate Change Program of SEAFDEC/AQD.

2004 – 2006

Consultant

ISDA (Integrated Services for the Development of Aquaculture and Fisheries)

1993 – 2004 **Scientist**
SEAFDEC Aquaculture Department

Description of work:

I conducted my own research towards improving fish production through better control of spawning and reproduction as well as increasing the survival of fish larvae under artificial conditions in the fish hatchery, served as resource person in SEAFDEC AQD's national and international training courses, reviewed proposals/grant applications for the Department of Agriculture, USA (USDA) Grant Program, as well as manuscripts for publication in various aquaculture, fish physiology and endocrinology, and marine biotechnology related scientific journals.

Also served as: Head, Biotechnology laboratory from January 2000 to July 2004

I was a member of the SEAFDEC AQD Team that conceptualized the proposal for the establishment of Laboratories for Advanced Aquaculture Technologies (Biotech Laboratories) at SEAFDEC AQD through a Grant-in -Aid from the Government of Japan. The team was also actively involved in the design and construction of the laboratories, as well as the acquisition and setting up of all the equipment that went into all the laboratories. The Biotech facility was inaugurated in March 2003.

1983 – 1987 **Research Assistant**
Physiology Laboratory
SEAFDEC Aquaculture Department

Scientific Publications:

Scientific Publications for the last 5 years

Ayson, F.G., Ventura, A.M. and **de Jesus-Ayson, E.G.T.** (2016). Sustainable milkfish production in marine fish cages through strong government support and effective public-private partnerships: A case study from Panabo City Mariculture Park in Davao del Norte, Philippines. In: FAO 2016. Sustainable intensification of aquaculture in the Asia-Pacific Region. Documentation of successful practices. Miao, W and Lal, K.K. (Eds.). Bangkok, Thailand.

Pakingting, RV Jr., **de Jesus-Ayson, EGT** and Acosta, BO (Eds). (2016). Addressing acute hepatopancreatic necrosis disease (AHPND) and other transboundary diseases for improved aquatic animal health in Southeast Asia: Proceedings of the ASEAN Regional Technical Consultation on EMS/AHPND and other Transboundary Diseases for Improved Aquatic Animal Health in Southeast Asia, 22-24 February 2016, Makati City, Philippines. Tigbauan, Iloilo, Philippines: Aquaculture Department Southeast Asian Fisheries Development Center, 109 p.

Reyes, O., Eullaran, B and **Ayson, EG.** (2016). Seed production of milkfish *Chanos chanos* Forsskal. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center, Aquaculture Department. 31p AEM #63.

Reyes, O.S., **de Jesus-Ayson, E.G.T.**, Eullaran, B.E., Corre, V.L. and Ayson, F.G. (2015). Development and management of milkfish broodstock. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center, Aquaculture Department. 31p AEM #62.

Takemura, A., Takeuchi, Y., Ikegami, T., Hur, S.P., Soliman, V., Ayson, F., **de Jesus-Ayson, E.** and Susilo, E.S. (2015). Environmental control of annual reproductive cycle of spinefoots. *Kuroshio Science*. 9:31-38.

Ayson, F.G., Reyes, O.S. and **de Jesus-Ayson, E.G.T.** 2014. Seed production of rabbitfish. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center, Aquaculture Department. 20p AEM #59.

Gaitan, A.G., Toledo, J.D., Arnaiz, M.T., Ayson, E.G.D.J., Altamirano, J.P., Agbayani, R.F., Salayo, N.D. and Marte, C.L. 2014. Milkfish *Chanos chanos* cage culture operations. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center, Aquaculture Department. 41p AEM #58.

Reyes, O.S., **de Jesus-Ayson, E.G.**, Pedroso, F.L. and Cabanilla, M.I.C. (2014). Hatchery production of snubnose pompano *Trachinotus blochii* Lacepede. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center, Aquaculture Department. 26p AEM #56.

de Jesus-Ayson, EGT, Ayson FG, Thepot, V. 2014. Early development and seed production of Asian seabass, *Lates calcarifer*. In: Jerry DR. (ed.). *Biology and Culture of Asian Seabass Lates calcarifer*, Florida, USA: CRC Press; pp. 16-30.

de Jesus-Ayson, EGT, Ayson, FG. 2014. Reproductive biology of the Asian seabass, *Lates calcarifer*. In: Jerry DR. (ed.). *Biology and Culture of Asian Seabass Lates calcarifer*, Florida, USA: pp. 67-76.

Ayson, FG, Sugama, K, Yashiro, R, de Jesus-Ayson, EG. 2014. Nursery and grow-out culture of Asian seabass, *Lates calcarifer*, in selected countries in Southeast Asia. In: Jerry DR. (ed.). *Biology and Culture of Asian Seabass Lates calcarifer*, Florida, USA: pp. 273-292.

Denusta PJT, **de Jesus-Ayson EGT**, Laron MA, Garcia LMB. 2014. Effects of human chorionic gonadotropin (hCG) and handling stress on spermiation of silver perch *Leiopotherapon plumbeus* (Kner, 1864). *Journal of Applied Ichthyology* 30:448-453.

Samentar, LP, Ayson, FG, **de Jesus-Ayson, EGT** and Formacion, MJ. (2013). Cloning of mangrove red snapper (*Lutjanus argentimaculatus*) growth hormone cDNA and mRNA expression during early development. *Philippine Journal of Natural Sciences* 18(2): 21-29.

Membership in Professional Organization:

- Asian Fisheries Society
- Asia Oceania Society for Comparative Endocrinology (Council Member since 1996)
- International Federation of Comparative Endocrinology Societies
- National Academy of Science and Technology – Philippines

Award/s Received:

2003 Outstanding Young Scientist Award – Given by the National Academy of Science and Technology of the Philippines