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Department of Freshwater Aquaculture
Institute of Aquaculture
Nha Trang University
02 Nguyen Dinh Chieu St., Nha Trang City, Vietnam

EDUCATION

Nha Trang University, Nha Trang, Vietnam

PhD, Marine Aquaculture, 2006-2010

Eng., Aquaculture, 1993-1998

Indiana University Purdue University Indianapolis, (IUPUI) USA

Graduate Certificate, Public Information System Management, 2003-2004

Asian Institute of Technology (AIT), Thailand

MSc, Aquaculture and Aquatic Resources Management, 2000-2002

RESEARCH INTERESTS

- Aquatic animal biological reproduction
- Reproductive Endocrinology
- Embryos and larvae of aquatic animals

RESEARCH EXPERIENCE

Selected projects:

1. Studies on properties and preservation of sperm in waigieu seaperch (*Psammoperca waigiensis* Cuvier, 1828 (*Psammoperca waigiensis* Cuvier, 1828). NAFOSTED. Code: 106.08-2011.55. 12/2011 - 12/2013. **(Participant)**
2. Studies on physico-biochemical properties and preservation of sperm Tiger Grouper (*Mycteroperca tigris* Valenciennes, 1833) in Viet Nam. IFS. No.A/5165-1. 3/2012, 3/2014. **(Participant)**

TEACHING RESPONSIBILITY

Undergraduate

- Embryology and Histology;
- English for Aquaculture

Graduate

- Developmental Biology;

- Reproductive Endocrinology in Fish.
- Scientific research methodology

PUBLICATIONS and PRESENTATIONS

Books (in Vietnamese):

1. **Pham Quoc Hung** and Nguyen Tuong Anh, **2011**. Fish reproduction – Application of steroid hormone. National Agriculture Publish House 2011.
2. Luu Thi Dung and **Pham Quoc Hung**, **2005**. Aquatic animal histology and embryology. National Agriculture Publish House 2005.

Selected publications:

1. **Hung Quoc Pham**, Augustine Arukwe, **2013**. Effects of dopamine 2 receptor antagonist on sex steroid levels, oocyte maturation and spawning performances in Waigieu seaperch (*Psammoperca waigiensis*). *Fish Physiology and Biochemistry* (2013) Vol 39, Issue 2: pp: 403 - 411.
2. **Hung Quoc Pham**, Anh Tuong Nguyen, Elin Kjørsvik, Mao Dinh Nguyen and Augustine Arukwe, **2012**. Seasonal reproductive cycle in Waigieu seaperch (*Psammoperca waigiensis*). *Aquaculture Research* 43 (2012): 815-830.
3. **Pham Quoc Hung** and Nguyen Tuong Anh, **2012. Review:** The need of hormone in fish reproduction. *Journal of Agricultural Sciences and Technology*. Vol 1/2012, pp: 136 – 138.
4. **Pham Quoc Hung** and Nguyen Tuong Anh, **2012. Review:** The need of hormone in fish reproduction. *Journal of Agricultural Sciences and Technology*. Vol 1/2012, pp: 136 – 138.
5. **Pham Quoc Hung**, **2012. Review:** The use of hormone in fish reproduction. *Journal of Fisheries Science and Technology*, Vol 3/2012, page: 184-188.
6. Vo The Dung, Nguyen Cao Loc, Le Thi Thu Huong, Vo Thi Dung, **Pham Quoc Hung**, 2012. A trial artificial reproduction on stone fish (*Synanceia verrucosa* Bloch & Schneider, 1801). *Journal of Agriculture and Rural Development*. Vol 9/2012: page 81-85.
7. **Pham Quoc Hung**, **2012. Review:** Pituitary gonadotropins regulate gonadal function in fish. *Journal of Fisheries Science and Technology*, Vol 2/2012, page: 178-182.
8. **Pham Quoc Hung**, **2011. Review:** The role of steroid hormone in regulating fish reproductive maturation. *Journal of Fisheries Science and Technology*, Vol 4/2011, page: 188-192.
9. **Hung, P. Q.** and Nam D. X., **2011**. Embryonic and larval development of Waigieu seaperch (*Psammoperca waigiensis*). *Aquaculture Asia* Vol. XVI, No. 4 October-December 2011, pp: 18-22.

10. **Pham Quoc Hung** and Le Hoang Thi My Dung, **2011**. Studies on testis histology of Sandbass *Psammoperca waigiensis* (Cuvier 1828). *Journal of Fisheries Science and Technology*, Vol 2/2011, page: 19-27.
11. **Hung, P. Q. 2010**. Low-value freshwater fish market in the south central Vietnam, a case study from Khanh Hoa Province. *Aquaculture Asia* Vol. XV, No. 3 July-September 2010, pp: 22-25.
12. **Pham Quoc Hung**, Tran Manh Linh, Nguyen Tuong Anh, Nguyen Dinh Mao, 2010. Effects of HCG, LHRH-A and CPE on steroid hormone in plasma, spawning and egg quality of *Psammoperca waigiensis* (Cuvier and Valenciennes, 1828). *Journal of Fisheries Science and Technology*, Vol1/2010, page: 21-26.
13. **Hung Quoc Pham**, Elin Kjørsvik, Anh Tuong Nguyen, Mao Dinh Nguyen and Augustine Arukwe, **2010**. Reproductive cycle in female Waigieu seaperch (*Psammoperca waigiensis*) reared under different salinity levels and the effects of dopamine antagonist on steroid hormone levels. *Journal of Experimental Marine Biology and Ecology* 383, 137-145.
14. **Hung Quoc Pham**, Anh Tuong Nguyen, Mao Dinh Nguyen and Augustine Arukwe, **2010**. Sex steroid levels, oocyte maturation and spawning performance in Waigieu seaperch (*Psammoperca waigiensis*) exposed to Thyroxin, Human Chorionic Gonadotropin, Luteinizing Hormone Releasing Hormone and Carp Pituitary Extract. *Comparative and Biochemistry Physiology*, Part A: Molecular & Integrative Physiology 155, 223-130.
15. **Hung Quoc Pham**, Elin Kjørsvik, Anh Tuong Nguyen, Mao Dinh Nguyen and Augustine Arukwe, **2009**. Effects of salinity on steroid hormone levels, final oocyte maturation and ovulation in sandbass (*Psammoperca waigiensis*). *Aquaculture Europe*, Trondheim, Norway August 14-17, 2009.
16. **Pham Quoc Hung**, Hoang Van Thoa, **2009**. Effects of thyroxin (T₄) on embryonic development of *Psammoperca waigiensis*. *Journal of Fisheries Science and Technology*, Vol 4/2009, page: 19-23.
17. **Pham Quoc Hung**, Nguyen Tuong Anh, Nguyen Dinh Mao, **2009**. Lack of dopaminergic inhibition in Sandbass (*Psammoperca waigiensis*). Proceedings of young scientist conference in RIA I Việt Nam. Page: 147-158.
18. **Pham Quoc Hung**, Nguyen Tuong Anh, Nguyen Dinh Mao, **2007**. Holding salinity during the breeding season effects final oocyte maturation and egg quality in sand bass (*Psammoperca waigiensis*, Cuvier & Valenciennes 1828). *Aquaculture Asia* Vol. XII No. 3, July-September 2007, pp: 37-39.
19. **Pham Quoc Hung**, Nguyen Tuong Anh, Nguyen Dinh Mao **2007**. Could Domperidone via oral administration enhance final oocyte maturation and ovulation and in the long-term affect egg and larval quality in sand bass (*Psammoperca waigiensis*)? *Aquaculture Asia* Vol. XII No. 4, October -December 2007, pp: 35-38.

20. **Pham Quoc Hung**, Vu Thi Thanh Nga, Nguyen Tuong Anh, Nguyen Dinh Mao, **2007**. Effects of some ecological factors on embryonic and larval development in Sandbass (*Psammoperca waigiensis*). *Journal of Agricultural Sciences and Technology*. Vol 1 & 2/2007, page 150-155.
21. Nguyen Thi Toan Thu, **Pham Quoc Hung**, **2006**. Current status of Tiger shrim (*Penaeus monodon*) seed production in Nha Trang and trial of use *Tetraselmis chui* as feed for larvae. *Journal of Fisheries Science and Technology*. Vol 1/2006, page 51-55.
22. **Hung Q. Pham** **2005**. Current status of using feed in *Penaeus monodon* larviculture in Vietnam, a case study in Khanh Hoa province. *The World Aquaculture Conference*, May 9-13, 2005, Bali International Convention Center, Nusa, Bali, Indonesia 2005.
23. **Pham Quoc Hung**, Jeffrey Wilson, Greg Lindsey, **2004**. How green are urban greenways? Evidence from Indianapolis. Continent Regional Science Association (MCRSA), 35th Annual Conference, 2004, University of Wisconsin, Madison, USA 2004.
24. **Pham Quoc Hung**, Jeffrey Wilson, Greg Lindsey, **2004**. Analysis of vegetative ecosystem of greenways using GIS and Remote sensing data. Center for urban policy and the environment, Indiana University Purdue University Indianapolis (IUPUI), USA 2004.

Selected Presentations

1. **Hung Quoc Pham**, Elin Kjørsvik, Anh Tuong Nguyen, Mao Dinh Nguyen and Augustine Arukwe, **2009**. Effects of salinity on steroid hormone levels, final oocyte maturation and ovulation in sandbass (*Psammoperca waigiensis*). *Aquaculture Europe*, Trondheim, Norway August 14-17, 2009.
2. **Hung Q. Pham** **2005**. Current status of using feed in *Penaeus monodon* larviculture in Vietnam, a case study in Khanh Hoa province. *The World Aquaculture Conference*, May 9-13, 2005, Bali International Convention Center, Nusa, Bali, Indonesia 2005.
3. **Pham Quoc Hung**, Jeffrey Wilson, Greg Lindsey, **2004**. How green are urban greenways? Evidence from Indianapolis. Continent Regional Science Association (MCRSA), 35th Annual Conference, 2004, University of Wisconsin, Madison, USA 2004.