



Hsieh, Chia-Yu

Associate Professor

Professional specialty : Aquatic Animal Medicine

Courses Taught :

Undergraduate : Diseases of Aquatic Animal, Diseases of Aquarium Fish

Graduate : Special Topics in Aquatic Animal Diseases, Special Topics in Bacterial Fish Pathogens

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Educational background

- 2002, 9-2008, 1 Ph.D, National Pingtung University of Science and Technology, Taiwan
- 1998, 9-2000, 7 MS, National Pingtung University of Science and Technology, Taiwan
- 1997, 9-1998, 7 BS, National Pingtung University of Science and Technology, Taiwan
- 1987, 9-1992, 7 BS, Department of Veterinary Medicine, National Cha Yi University, Taiwan

Current position and professional career

- 2017, 2 ~ Assistant professor, National Chung-Hsing University
- 2004, 5-2017, 2 Veterinarian, Veterinary Medicine Teaching Hospital, National Pingtung University of Science and Technology
- 2010, 1-2017, 1 Chief of Southern Taiwan Aquatic Animal Disease Diagnostic Center, National Pingtung University of Science and Technology
- 2000, 9-2004, 5 Associate Technical Specialist, Animal Health and Inspection Institute, Bureau of Economic Affairs, Kaohsiung City Government

Honors

The award of academic research thesis in Doctor, National Pingtung University of Science and Technology, Taiwan (2008)

Research topics interested

Our lab has a modern, well equipped laboratory which facilitates national and international commitments in relation to the diagnosis and control of fish and shellfish diseases. There are five main sections within the unit: parasitology, histology, bacteriology, virology and molecular diagnostics, which focused on emerging infectious diseases in aquatic animal. (e.g., Crayfish plague, Francisellosis, Mycobacteriosis, Epizootic ulcerative syndrome, Cyprinid herpesvirus...)

Selected publications

1. **Hsieh, C.Y.** *, Huang, C.W., Pan, Y.C., (2016) Crayfish plague *Aphanomyces astaci* detected in redclaw crayfish, *Cherax quadricarinatus* in Taiwan. Journal of Invertebrate Pathology 136, 117-123. (SCI)
2. **Tu C, Lu Y.P., C.Y. Hsieh, S.M. Huang, S.K. Chang, M.M. Chen** (2014) Production of monoclonal antibody against ORF72 of koi herpesvirus isolated in Taiwan. Folia Microbiol (Praha) 59(2):159-65. (SCI)
3. Chiu K. C., **C. Y. Hsieh**, T. C. Chang, Y. C. Lin, S. C. Hu, F. I. Wang (2014) Frequent

Presence of Porcine Teschovirus Antigens in Visceral and Lymphoid Organs of Nonsuppurative Encephalitic Pigs in the Endemic Field Situation. *Taiwan Veterinary Journal* Vol. 40, No. 01: 49-55.

4. Tu C, **C.Y. Hsieh**, S.K. Chang, J.F. Su and M.M. Chen (2013) Development of a cell line from the gill of koi and molecular characterization of KHV isolated in Taiwan. *African Journal of Microbiology Research* 7(28): 3665-3674. (SCI)
5. **Hsieh, C. Y.**, Z. B. Wu, M. C. Tung, S. S. Tsai (2007) PCR and *in situ* hybridization for the detection and localization of a new pathogen *Francisella*-like bacterium (FLB) in ornamental fish. *Diseases of Aquatic Organisms* 75: 29-36. (SCI)
6. Lien Y. Y., J. W. Lee, H. Y. Su, H. J. Tsai, M. C. Tsai, **C. Y. Hsieh**, S. S. Tsai (2007) Phylogenetic characterization of Newcastle disease viruses isolated in Taiwan during 2003 to 2006. *Veterinary Microbiology* 20;123(1-3): 194-202. (SCI)
7. Chang, T.C., **C. Y. Hsieh**, C. D. Chang, Y. L. Shen, K. C. Huang, C. Tu, L. C. Chen, Z. B. Wu, S. S. Tsai (2006) Pathological and molecular studies on mycobacteriosis of milkfish *Chanos chanos* in Taiwan. *Diseases of Aquatic Organisms* 72: 147-151. (SCI)
8. **Hsieh, C. Y.**, M. C. Tung, C. Tu, C. D. Chang, S. S. Tsai (2006) Enzootics of visceral granulomas associated with *Francisella*-like organism infection in Tilapia (*Oreochromis* spp.). *Aquaculture* 254: 129-138. (SCI)
9. **Hsieh, C. Y.**, P. C. Chuang, L. C. Chen, C. Tu, M. S. Chien, K. C. Huang, H. F. Kao, M. C. Tung, S. S. Tsai (2006) Infectious hypodermal and haematopoietic necrosis virus (IHHNV) infections in giant freshwater prawn, *Macrobrachium rosenbergii*. *Aquaculture* 258: 73-79. (SCI)
10. **Hsieh, C. Y.**, Z. B. Wu, M. C. Tung, C. Tu, S. P. Lo, T. C. Chang, C. D. Chang, S. C. Chen, Y. C. Hsieh, S. S. Tsai (2006) *In situ* hybridization and RT-PCR detection of *Macrobrachium rosenbergii* nodavirus in giant freshwater prawn (*Macrobrachium rosenbergii*) in Taiwan. *Journal of Fish Diseases* 29: 665-671. (SCI)
11. **Hsieh, C. Y.**, T. C. Chang, Y. L. Shen, C. D. Chang, C. Tu, M. C. Tung, L. C. Chen, S. S. Tsai (2006) Pathological and PCR detection of mycobacteriosis in pond-cultured Chinese soft shell turtles, *Trionyx sinensis*. *Aquaculture* 261: 10-16. (SCI)

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