

出國報告

國際水生動物健康研討會

生物研究組

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摘要

為發表研究成果 *Bacillus cereus* Infections in Soft-Shell Turtles in Taiwan (甲魚仙人掌桿菌感染症)，報名參加第 8 屆國際水生動物健康研討會 International Symposium on Aquatic Animal Health (ISAAH)。該會為美國水產學會 (American Fisheries Society, AFS) 下之魚類健康部門 (Fish Health Section, FHS) 所舉辦 4 年一次的年會，主要議題包含細菌、病毒、黴菌、原蟲、寄生蟲等傳染性疾病，水產養殖飼養管理與健康管理等議題。本次會議口頭報告中有來自泰國與中南美洲國家學者發表吳郭魚湖泊病毒 (Tilapia lake virus, TiLV) 的最新疫情與致病機制研究，也有愛德華氏菌 (*Edwardsiella* spp.) 最新種別分類狀況與在不同魚種分布情形。而筆者亦有與與會者口頭討論蝦類急性肝胰腺壞死症 (acute hepatopancreatic necrosis disease, AHPND 或 early mortality syndrome, EMS) 在美國疫情擴散的狀況與亞利桑那大學蝦類病理課程資訊。新興疾病的發生會造成水產養殖業不可預估的經濟損失，台灣已發生吳郭魚湖泊病毒，雖然目前疫情已無進一步爆發，但由國外疫情傳播狀況與致病機制研究可以了解控制該病的策略，並觀察主要吳郭魚養殖國家對該病疫苗研發的進度。另外蝦病研究上應與其他國家合作以了解各國對於蝦傳染性疾病的防治措施。參加國際會議可吸收新知，尤其是國外目前疾病盛行狀況與防治措施，可立即應用到本國水產動物健康管理上。亦能夠增加台灣與本所之國際能見度，促進台灣參與國際間合作計畫與水產疫情監控。

Report: International Symposium on Aquatic Animal Health

Tzu-Ming Huang

Abstract

To announce the research result of *Bacillus cereus* Infections in Soft-Shelled Turtles in Taiwan, I attended International 8th Symposium on Aquatic Animal Health (ISAAH). ISAAH is a quadrennial conference hosted by the Fish Health Section (FHS) of the American Fisheries Society (AFS). The main issues in ISAAH included infectious diseases caused by bacteria, virus, fungus, protozoa, parasite, and management of aquaculture and health. The oral presentation included topics of epidemiology and pathogenesis of Tilapia lake virus (TiLV) in Thailand and Central and South America, and the classification and distribution of *Edwardsiella* spp., etc. I also discussed with other delegates about acute hepatopancreatic necrosis disease (AHPND) or early mortality syndrome (EMS) in the US and shrimp pathology course in University of Arizona. The emerging diseases cause unpredictable losses in aquaculture. In Taiwan, there have been outbreaks of TiLV. Even the TiLV disease now is controlled adequately, it is necessary to catch on the researches of epidemiology and pathogenesis to establish control strategies for TiLV and to follow the progress of vaccine development. In addition, we can cooperate with other countries to prevent infectious diseases in shrimp. Attendance of international conference can not only explore the new trend and knowledge of disease epidemiology and control but also increase the visibility of our institute to participate international aquaculture health surveillance.