

近五年期刊論文：(*: corresponding author; #: co-first author)

2025

1. Hsu, T. K. #, Chen, Y. Y. #, Li, S. W., Shih, H. Y., Chou, H. Y., Hsu, J. C. K., Wang, H. C., and Chen, L. L.* (2025). Characterization and genome analysis of a novel phage BP15 infecting *Vibrio parahaemolyticus*. *Scientific Reports* (Accepted)
2. Hsu, J. C. K., Hsu, T. K., Guan, S. B., Chi, P. W., Chiang, C. Y., Pouton, C. W., Wong, Z. W., Huang, P. Y. and Chen, L. L.* (2025). Development of an oral vaccine delivery system for shrimp aquaculture using attenuated *Listeria monocytogenes*. *Aquaculture* 597, 741940. DOI: 10.1016/j.aquaculture.2024.741940

2024

1. Hsu, T. K., Shih, H. Y., Huang, H. J., Hsu, J. C. K., Wang, H. C., Chen, Y. Y. and Chen, L. L.* (2024). Isolation and characterization of the novel phage BP14 for lysing *Vibrio parahaemolyticus* and reducing virulence proteins. *Aquaculture* 581, 740484. DOI: 10.1016/j.aquaculture.2023.740484
2. Kannan, J., Pang, K. L., Ho, Y. N., Hsu, P. H.* and Chen, L. L.* (2024). Comparison of antioxidant potential and metabolite analysis of marine fungi associated with the red alga *Pterocladia capillacea* from Northern Taiwan. *Antioxidants* 13(3), 336. DOI: 10.3390/antiox13030336

2023

1. Lee, M. C., Lo, C. T., Ho, T. H., Chen, L. L., Nan, F. H., Lai, H. C., Wangkahart, E., Lee, P. T.* (2023). Assessment of *Bacillus subtilis* fermented *Caulerpa microphysa* byproduct as feed additive on the growth performance, immune regulation and disease resistance of white shrimp (*Litopenaeus vannamei*). *Fish and Shellfish Immunology* 142, 109134. DOI: 10.1016/j.fsi.2023.109134
2. Huang, H. J., Tang, S. L., Chang, Y. C., Wang, H. C., Ng, T. H., Garmann R. F., Chen, Y. W., Huang, J. Y., Kumar, R., Chang, S. H., Wu, S. R., Chao, C. Y., Matoba, K., Iwasaki, K., Gelbart, W. M., Ko, T. P., Wang, H. J., Lo, C. F., Chen, L. L.* and Wang, H. C.* (2023). Multiple nucleocapsid structural forms of shrimp white spot syndrome virus suggests a novel viral morphogenetic pathway. *International Journal of Molecular Sciences* 24(8), 7525. DOI:

2022

1. Hsu, J. C. K., Hsu, T. K., Kannan, J., Wang, H. C., Tassanakajon, A. and Chen, L. L.* (2022). Diagnostic performance of a rapid test kit for white spot syndrome virus (WSSV). *Aquaculture* 558, 738379. DOI: 10.1016/j.aquaculture.2022.738379
2. Budi, Y. P., Lin, L. C., Chung, C. H., Chen, L. L., Jiang, Y. F.* (2022) Three-dimensional investigations of virus-associated structures in the nuclei with white spot syndrome virus (WSSV) infection in red swamp crayfish (*Procambarus clarkii*). *Animals* 12(13), 1730. DOI:10.3390/ani12131730
3. Hsu, J. C. K.#, Huang, H. T.#, Lin, H. J., Chou, H. Y., Huang, P. Y., Prachumwat, A.* and Chen, L. L.* (2022). Applying modified VP53A recombinant protein as an anti-white spot syndrome virus biological agent in *Litopenaeus vannamei* farming. *Viruses* 14(7), 1353. DOI: 10.3390/v14071353

2021

1. Yen, S. C., Mao, J. Y., Lin, H. Y., Huang, H. T., Harroun, S. G., Nain, A., Chang, H. T., Lin, H. Y., Chen, L. L., Huang, C. C.* and Lin, H. J. (2021). Multifunctional carbonized nanogels to treat lethal acute hepatopancreatic necrosis disease. *Journal of Nanobiotechnology* 19(1), 448. DOI: 10.1186/s12951-021-01194-8.
2. Huang, P. Y., Huang, Y. H., Leu, J. H. and Chen, L. L.* (2021). Feasibility study on the use of fly maggots (*Musca domestica*) as carriers to inhibit shrimp white spot syndrome. *Life* 11(8), 818. DOI: 10.3390/life11080818.
3. Lee, P. T., Huang, J., Huang, C. Y., Liu, Z. X., Yeh, H. Y., Huang, H. T., Chen, L. L., Nan, F. H. and Lee, M. C.* (2021). Phycoerythrin from *Colaconema* sp. has immunostimulatory effects on the whiteleg shrimp *Litopenaeus vannamei* and increases resistance to *Vibrio parahaemolyticus* and white spot syndrome virus. *Animals* 11(8), 2371. DOI: 10.3390/ani11082371
4. Ma, C. H. #, Huang, P. Y. #, Chang, Y. C., Pan, Y. J., Azra, M. N., Chen, L. L., and Hsu, T. H.* (2021). Improving survival of juvenile scalloped spiny lobster (*Panulirus homarus*) and crucifix crab (*Charybdis feriatus*) using shelter and live prey. *Animals* 11(2), 370. DOI: 10.3390/ani11020370

2020

1. Huang, P. Y., Hsiao, H. C., Wang, S. W., Lo, S. F., Lu, M. W. and Chen, L. L.* (2020). Screening for the proteins that can interact with grouper nervous necrosis virus capsid protein. *Viruses*, 12(9), 985. DOI: 10.3390/v12090985
2. Huang, H. T., Lin, H. J., Huang, H. J., Huang, C. C., Lin, J. H. Y.* and Chen, L. L.* (2020). Synthesis and evaluation of polyamine carbon quantum dots (CQDs) in *Litopenaeus vannamei* as a therapeutic agent against WSSV. *Scientific Reports* 10, 7343. DOI: 10.1038/s41598-020-64325-5

近五年研討會論文：

2024

1. Gong, H. Y.*, Lin, W. Y., Chen, C. C., Huang, P. Y., Huang, C. W., Yang, W. C. and Chen, L. L.* (2024). *Bidens pilosa* as a multifunctional feed additive to promote the innate immunity of pacific white shrimp against WSSV. AQUA 2024, Copenhagen, Denmark. August 26-30.
2. Hsu, T. K., Shih, H. Y., Huang, H. J., Hsu, J. C. K., Wang, H. C., Chen, Y. Y. and Chen, L. L.* (2024). Isolation and characterization of the novel phage BP14 for lysing *Vibrio parahaemolyticus* and reducing virulence proteins. The Crustacean Society Summer Meeting 2024, Taipei, Taiwan. May 27-Jun 1.
3. 廖珮涵、陳歷歷。(2024)。分析氣生硬毛藻對南美白蝦麻醉作用與抗菌及氧化能力。台灣水產學會學術論文發表會，屏東，臺灣，中華民國。1月16日。
4. 陳歷歷、劉佳芬。(2024)。分析CS60作為蝦類潛在益生菌對於白蝦的腸道菌相之影響。台灣水產學會學術論文發表會，屏東，臺灣，中華民國。1月16日。

2023

1. Hsu, J. C. K., Hsu, T. K. and Chen, L. L.* (2023). Study on the detection accuracy of field-infected shrimp with a newly developed rapid detection kit for white spot syndrome virus. 13th Asia Pacific Marine Biotechnology Conference (APMBC), Adelaide, Australia. October 2-6.
2. Huang, P. Y., Hu, S. W. and Chen, L. L.* (2023). Establish a nondestructive

detect technology of smooth fan lobster (*Ibacus novemdentatus*) gonadal maturity. 13th Asia Pacific Marine Biotechnology Conference (APMBC), Adelaide, Australia. October 2-6.

3. Kannan, J., Hsu, P. H., Pang, K. L. and Chen, L. L.* (2023). Bioprospecting and metabolite profiling of marine fungal extracts: exploring their potential as immunostimulants. 13th Asia Pacific Marine Biotechnology Conference (APMBC), Adelaide, Australia. October 2-6.
4. Kannan, J., Hsu, P. H., Pang, K. L. and Chen, L. L.* (2023). Bioprospecting and metabolite profiling of marine fungal extracts and its cytotoxic potential in Sf 9 cell line. 2023 第四屆海水魚養殖技術國際論壇暨臺灣海洋生物技術學會學術研討會。臺北，臺灣，中華民國。9月1日。

2022

1. Hsu, J. C. K. and Chen, L. L.* (2022). Comparison of performance between a rapid test kit and qPCR method for white spot syndrome virus (WSSV). The 4th Congress of the International Society of Fish & Shellfish Immunology (4th ISFSI), Bodø, Norway. December 12-15.
2. Chen, C. C., Lin, W. Y., Lu, H. Y., Zhang, Z. F., Liou, C. H., Ho, Y. N., Huang, C. W., Yang, W. C., Chen, L. L. and Gong, H. Y.* (2022). *Bidens pilosa* as a multifunctional additive of feedstuff to enhance disease resistance and growth performance in farmed aquatic animals. The 4th Congress of the International Society of Fish & Shellfish Immunology (4th ISFSI), Bodø, Norway. December 12-15.
3. Chen, L. L.* and Wong, Z. W. (2022). Feasibility analysis of CS60 as a shrimp potential probiotic. 13th Asian Fisheries and Aquaculture Forum (13AFAF), Tainan, Taiwan. May 31-Jun 2.
4. Huang, P. Y., Huang, Y. H., Leu, J. H. and Chen, L. L.* (2022). Feasibility study on the use of fly maggots (*Musca domestica*) as carriers to inhibit shrimp white spot syndrome. 13th Asian Fisheries and Aquaculture Forum (13AFAF), Tainan, Taiwan. May 31-Jun 2.

2021

1. Wong, Z. W. and Chen, L. L.* (2021). Feasibility analysis of CS60 as a shrimp potential probiotic. The Control of Aquatic Animal Diseases, virtual. Sep 10.

2020

1. Chen, L. L.* and Huang, P. Y. (2020). Screening for the proteins that can interact with grouper nervous necrosis virus capsid protein. International Conference on Marine Science and Aquaculture (icomsa), virtual. Dec 9-10.
2. Chen, L. L.* (2020). Screening for proteins that can interact with grouper nervous necrosis virus (NNV) coat protein. Aquaculture America 2020, Hawaii, America. Feb 9-12.
3. Huang, Y. H., Huang, P. Y. and Chen, L. L.* (2020). Development of oral delivery system for aquaculture using fly maggots. Aquaculture America 2020, Hawaii, America. Feb 9-12.

專書章節：

1. Lin, H. Y., Lin, J. H. Y., Lin, H. J. and Chen, L. L.* (2023). Inhibition of white spot syndrome virus (WSSV) in Pacific white shrimp (*Litopenaeus vannamei*) using polyamine-modified carbon quantum dots. Methods in Molecular Biology. In: Aquino de Muro, M. (eds) Virus-Host Interactions. Methods in Molecular Biology, vol 2610. Humana, New York, NY. https://doi.org/10.1007/978-1-0716-2895-9_6
2. Wang, H. C., Chiang, Y. A., Ng, T. H., Wang, H. C., Chen, L. L., Leu, J. H. and Lo, C. F. (2016). Science to the rescue: interventions that help shrimp in the arms race against white spot syndrome virus (WSSV). In: Progress of shrimp and prawn aquaculture in the world (Liao, I. C., Chao, N. H., Leñaño, E. M. eds). National Taiwan Ocean University, the Fisheries Society of Taiwan, Asian Fisheries Society, and World Aquaculture Society. pp. 317-336. ISBN: 978-986-04-7656-9.

專利：

1. 陳歷歷。(2013)。治療或預防白點症病毒感染之組合物。中華民國專利發明第 I384952 號。專利權人：國立臺灣海洋大學，專利期間：2013 年 2 月 11 日至 2029 年 12 月 28 日。
2. 許家愷、陳歷歷、許德根、元淑冰。(2019)。表現異源基因的系統及其用途。

中華民國專利發明第 I658140 號。專利權人：昕穎生醫技術股份有限公司，專利期間：2019 年 5 月 1 日至 2035 年 11 月 11 日。

3. 黃博鈺、陳歷歷、徐德華。(2023)。水產生物幼苗沉水培育系統及其方法。專利權人：國立臺灣海洋大學。中華民國專利發明第 I790487 號。
4. 黃博鈺、陳歷歷、徐德華。(2023)。水產生物適用管供式凝膠飼料、其餵食系統及其方法。中華民國專利發明第 I790488 號。
5. 陳歷歷、黃博鈺、黃奕瑄。(2021)。蠅蛆載體飼料、其製造方法及其用途。專利權人：國立臺灣海洋大學。中華民國專利發明第 I824307 號。

技術轉移：

1. 周信佑、陳歷歷。(2019)。新型態產學研鏈結計畫-開發一條龍應用之新型態水產添加劑，被授權單位：國立臺灣海洋大學，臺灣。
2. 陳歷歷。(2017)。DOSTO Oregano 作為免疫刺激物改善蝦類免疫及抗病力配方計畫 (DOSTO Oregano as Immunostimulant for the Improvement of Shrimp Immunity and Disease Resistance)，被授權單位：DOSTOFARM GmbH，德國。
3. 陳歷歷。(2017)。以酸化劑 X 做為蝦飼料添加劑之配方比例與使用方式，被授權單位：永鴻國際生技股份有限公司，臺灣。
4. 陳歷歷。(2014)。治療或預防白點症病毒感染之組合物，被授權單位：昕穎生醫技術股份有限公司，臺灣。