

Note: Students who plan to enroll in the Master's program of the **Division of Marine Affairs** should apply to the Graduate Institute of Marine Affairs; students who plan to enroll in the Ph.D. program, must hold a Master's diploma in related fields, should apply to the International Doctoral Program of Marine Science and Technology in the application system.



Dr. Nien-Tsu Alfred Hu

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Specialties: Marine Policy, Law of the Sea, Fisheries
Policy, Naval Policy, International Law, Public Policy,
Laws and Policy on Underwater Cultural Heritage

Selected publications: (up to 5 papers)

1. Chang, S. K., **Hu, N. T. A.**, Basir, S., Duyen, H. V., Nootmorn, P., Santos, M. D., & Satria, F. (2020). A step forward to the joint management of the South China Sea fisheries resources: Joint works on catches, management measures and conservation issues. *Marine Policy*, 116, 103716.
2. **Hu, N. T. A.** (2014). Father of the WCPFC Convention: Ambassador Satya N. Nandan. In *Peaceful Order in the World's Oceans* (pp. 381-403). Brill Nijhoff.
3. **Hu, N. T. A.**, & McDorman, T. L. (2013). Post-2009: An Overview of Recent Developments Concerning the South China Sea. In *Maritime Issues in the South China Sea* (pp. 165-183). Routledge.
4. **Hu, N. T. A.**, & McDorman, T. L. (Eds.). (2013). *Maritime Issues in the South China Sea: Troubled Waters or A Sea of Opportunity*. Routledge.
5. **Hu, N. T. A.** (2012). Integrated oceans policymaking: an ongoing process or a forgotten concept?. *Coastal Management*, 40(2), 107-118.



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Professor

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Specialties: Fisheries Stock Assessment, Fisheries

Statistics, Fisheries Ecology, Marine Resource

Conservation

Selected publications: (up to 5 papers)

1. Maunder*, M.N., Thorson, J.T., Xu, H., Oliveros-Ramos, R., Hoyle, S.D., Tremblay-Boyer, L., Lee, H.H. Kai, M., **Chang, S.-K.** et al. (2020). The need for spatio-temporal modeling to determine catch-per-unit effort based indices of abundance and associated composition data for inclusion in stock assessment models. *Fisheries Research*, 229, 105594.
2. **Chang, S. K.**, Hu, N. T. A., Basir, S., Duyen, H. V., Nootmorn, P., Santos, M. D., & Satria, F. (2019). A step forward to the joint management of the South China Sea fisheries resources: joint works on catches, management measures and conservation issues. *Marine Policy*, 116, 103716.
3. Chang, Y. J., Hsu, J., Shiao, J. C., & **Chang, S. K.** (2019). Evaluation of the effects of otolith sampling strategies and ageing error on estimation of the age composition and growth curve for Pacific bluefin tuna *Thunnus orientalis*. *Marine and Freshwater Research*.
4. Liu, T. M., & **Chang, S. K.** (2019). Changes in local knowledge and its impacts on ecological resources management: The case of flyingfish culture of the Tao in Taiwan. *Marine Policy*, 103, 74-83.
5. **Chang, S. K.**, Yuan, T. L., Wang, S. P., Chang, Y. J., & DiNardo, G. (2019). Deriving a Statistically Reliable Abundance Index from Landings Data: An Application to the Taiwanese Coastal Dolphinfish Fishery with a Multispecies Feature. *Transactions of the American Fisheries Society*, 148(1), 106-122.



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Specialties: Marine Policy, Law of the Sea, International Fisheries Laws, The South China Sea Issues, Laws and Policy on Offshore Wind Energy

Selected publications: (up to 5 papers)

1. Tai, T. H., **Kao, S. M.**, & Ho, W. C. (2020). International Soft Laws against IUU Fishing for Sustainable Marine Resources: Adoption of the Voluntary Guidelines for Flag State Performance and Challenges for Taiwan. *Sustainability*, 12(15), 6013.
2. Tsung-Han, T., Bin, X., **Shih-Ming, K.**, & Yen-Chiang, C. (2020). China's Diplomatic Strategy towards Climate Change Negotiations in the Post-Paris Agreement Era. *China: An International Journal*, 18(2), 186-203.
3. **Kao, S. M.**, & Pearre, N. S. (2018). Regional Cooperation in the Post-South China Sea Arbitration Era: Potential Mechanism and Cooperative Areas. *Coastal Management*, 46(2), 103-122.
4. **Kao, S. M.**, & Pearre, N. S. (2017). Administrative arrangement for offshore wind power developments in Taiwan: Challenges and prospects. *Energy Policy*, 109, 463-472.
5. Tai, R. T. H., Pearre, N. S., & **Kao, S. M.** (2015). Analysis and potential alternatives for the disputed South China Sea from ocean governance in the polar regions. *Coastal Management*, 43(6), 609-627.



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Specialties: Marine Spatial Planning, Coastal Management, Fishery Management

Selected publications: (up to 5 papers)

1. Liu, J. T., Huang, B., **Chang, Y.**, Du, X., Liu, X., Yang, R. J., ... & Su, C. C. (2019). Three-dimensional coupling between size-fractionated chlorophyll-a, POC and physical processes in the Taiwan Strait in summer. *Progress in Oceanography*, 176, 102129.
2. Liu*, J. R. Hsu, R. Yang, Y. Wang, H. Wu, X. Du, A. Li, S. Chien, J. Lee, S. Yang, J. Zhu, C. Su, **Y. Chang**, and C. Huh (2018). A comprehensive sediment dynamics study of a major mud belt system on the inner shelf along an energetic coast. *Scientific reports*, 8(1), 1-14.
3. Chen, L. C., Lan, K. W., **Chang, Y.**, & Chen, W. Y. (2018). Summer Assemblages and Biodiversity of Larval Fish Associated with Hydrography in the Northern South China Sea. *Marine and Coastal Fisheries*, 10(5), 467-480.
4. Kuo, Y. C., Chan, J. W., Wang, Y. C., Shen, Y. L., **Chang, Y.**, & Lee, M. A. (2018). Long-term observation on sea surface temperature variability in the Taiwan Strait during the northeast monsoon season. *International Journal of Remote Sensing*, 39(13), 4330-4342.
5. **Chang, Y.**, Chu, K. W., & Chuang, L. Z. H. (2018). Sustainable coastal zone planning based on historical coastline changes: A model from case study in Tainan, Taiwan. *Landscape and urban planning*, 174, 24-32.



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Office phone number: +886-07-5252000 ext. 5306 Specialties:

Costal and Marine Environmental Assessment and

Management, Island Environment Change and Adaptation,

Qualitative Research and Quantitative Analysis

Selected publications: (up to 5 papers)

1. **Liu, T. M.** (2020). Applying Ostrom's common resource management principles to analyze institutional factors for the failure of the volunteer tourism program for green sea turtles conservation in Lanyu (Orchid Island), Taiwan. *Journal of Tourism and Cultural Change*, 18(6), 711-727.
2. **Liu, T. M.** (2020). Habit formation or word of mouth: What does lagged dependent variable in tourism demand models imply?. *Tourism Economics*, 26(3), 461-474.
3. **Liu, T. M.** (2019). Using RPL model to probe trade-offs among negative externalities of controlling invasive species. *Sustainability*, 11(21), 6184.
4. **Liu, T. M.**, & Tien, C. M. (2019). Assessing Tourists' Preferences of Negative Externalities of Environmental Management Programs: A Case Study on Invasive Species in Shei-Pa National Park, Taiwan. *Sustainability*, 11(10), 2953.
5. **Liu, T. M.**, & Chang, S. K. (2019). Changes in local knowledge and its impacts on ecological resources management: The case of flyingfish culture of the Tao in Taiwan. *Marine Policy*, 103, 74-83.