

CAA8

THE 8TH INTERNATIONAL SYMPOSIUM ON CAGE AQUACULTURE IN ASIA

*“Green and Smart development
of Cage Aquaculture in Asia”*

Organized by

Asian Fisheries Society (AFS) and Nha Trang University (NTU)



Co-organized by

Shanghai Ocean University (SHOU), Ocean University of China (OUC),
China-ASEAN Belt and Road Joint Laboratory on Mariculture Technology



July 15 - 18, 2026 📍 Khanh Hoa, Vietnam

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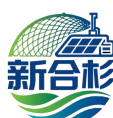
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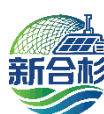
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**July 15 – 18, 2026
Khanh Hoa, Vietnam**

CAA 8 Program

Wednesday, 15 July 2026	
9:00 – 17:00	AFS and Organizing Committee meeting

Thursday, 16 July 2026	
Hall 1	
7:45	Reception and Registration
9:00	Opening Ceremony - Cultural Performances (10 mins) - Introduction of ViP and Program (5 mins) - Speech by ViP (3 mins for each) + Opening Speech (Liu Liping - AFS president) + Welcoming Speech (Quach Hoai Nam, NTU president) + Welcoming Speech (Luo Yi, Vice - President, SHOU) + Speech by: Han Gang - CFS General Secretary & Director of the National Fisheries Technology Extension Center, Ministry of Agriculture and Rural Affairs of China (MARA) + Speech by Vietnam authority (TBC) - Honoring the Keynote Speakers (Neil Loneragan, Mai Kangsen, CHEN Liang-biao, Zhang Wenbo, Ching Fui Fui, Alice Joan G. Ferrer, Pham Duc Hung) - Honoring and Thanking Sponsors + Platinums: MarLumina, LLC; Australis Aquaculture, LLC; Shanghai Lansong Technology Co., Ltd + Silvers: Wuxi Yuyu Fish Technology Co., Ltd. (Yudada); Suzhou New Spruce Tech Co., Ltd and Friend: Longsinh Co. Ltd. - Group photo (standing)
9:50	Keynote 1_CAGE AQUACULTURE AS AN INTEGRAL PART OF GLOBAL SEAFOOD PRODUCTION_Prof. Dr. Neil Loneragan Chair: Prof. Vu Ngoc Ut; Prof. Huang Xuxiong
10:15	Tea

10:30	Keynote 2_SOME REFLECTIONS ON THE SUSTAINABLE DEVELOPMENT OF CHINA'S DEEP-SEA AND FAR-SEA MARICULTURE_Prof. Mai Kangsen Chair: Prof. Vu Ngoc Ut; Prof. Huang Xuxiong
11:10	Keynote 3_GENETIC BREEDING FOR COLD AND DISEASE RESISTANT TILAPIA_Prof. CHEN Liang-biao Chair: Prof. Vu Ngoc Ut; Prof. Huang Xuxiong
11:50	Lunch
Hall 1	
Session I: Cage and offshore aquaculture systems Chair: Assoc.Prof. Pham Duc Hung; Assoc.Prof. Salin Krishna	
13:30	536_OFFSHORE CAGE AQUACULTURE AI APPLICATION FOR PRECISION NUTRITION_Hsiang Pin LAN* , Thanh Bui Ngoc, Lukas Manomaitis
13:50	564_HYDRODYNAMIC ANALYSIS OF A ROTATABLE HORIZONTAL AQUACULTURE CAGE WITH EXTERNAL FLOATS_Guangyang Xie, Hongjie Liu, Bin Wang* , Jun Zhang, Zhongxu Tian
14:10	561E_INTEGRATED CAGE CULTURE OF ASIAN SEABASS (<i>Lates calcarifer</i>) AND RED SEAWEED (<i>Kappaphycus alvarezii</i>) IN SIPANGKOT, SITANGKAY, TAWI-TAWI, PHILIPPINES_Ainulyakin H. Imlani , Dyahruri Sanjayasari, Mary Joyce Z. Guinto Sali, Belen I. Sansawi, Adzmon J. Garamon
14:30	542_RETINEX-GUIDED JOINT SOURCE-CHANNEL CODING FOR ROBUST WIRELESS TRANSMISSION OF UNDERWATER AQUACULTURE SURVEILLANCE IMAGERY_Nguyen Thanh Trung
14:50	478_TWO-TIER CAGE CULTURE OF ASIAN SEABASS (<i>Lates calcarifer</i>) INVOLVING FISHER COMMUNITIES IN THE COASTAL AREAS OF BANGLADESH_Md Shahjahan* and Jabed Hasan
15:10	Tea
Chair: Dr. Do Huu Hoang; Prof. Huang Xuxiong	
15:40	488_ADAPTATION OF WILD ASIAN SEABASS (<i>Lates calcarifer</i>) TO ARTIFICIAL DIETS IN CAGE CULTURE_Muhammad Badrul Alam Shaheen* , Jabed Hasan, Md Shahjahan
16:00	563_NUMERICAL SIMULATION OF FLOW FIELD CHARACTERISTICS IN A FLOW-DIVERTING DEEPSEA AQUACULTURE CAGE UNDER EXTREME CURRENT CONDITIONS_Dejun Feng* , Tianrui Ji, Tianyu Gu
16:20	543_LIGHTWEIGHT CONTINUAL ADAPTATION FOR CAMERA-SONAR OBJECT DETECTION IN CAGE AQUACULTURE MONITORING_Hoa N. Q. Dam* , Thong M. Vu, Cuong D. Do and Van-Dinh Nguyen
16:40	560_MECHANISM INVESTIGATION AND OPTIMIZATION DESIGN OF LIQUID DAMPING FOR LOAD REDUCTION AND MOTION SUPPRESSION IN TRUSS NET AQUACULTURE CAGE_Haibo Liu* , Chao Ma, Yunpeng Zhao

Room: G4.01	
Session II: Breeding, seed production, and genetic improvement	
Chair: Dr. Nguyen Van Minh; Assoc. Prof Ching Fui Fui	
13:30	500_SEED PRODUCTION OF MALABAR RED SNAPPER <i>Lutjanus malabaricus</i> IN KHANH HOA: HATCHERY CASE STUDIES_Nguyen Van Minh*, Phan Van Ut, Nguyen Thi Thuy, Pham Thi Khanh and Nguyen Dac Kien
13:50	441_ASSESSMENT OF OXYGEN CONSUMPTION AND INFLUENCE OF WATER TEMPERATURE ON ROTIFER (<i>Brachionus rotundiformis</i>) GROWTH EFFICIENCY USING MACHINE LEARNING - Chonlada Leearam, Wasana Arkronrat
14:10	557_BROODSTOCK CAPTIVITY, INDUCED SPAWNING AND SEED PRODUCTION OF GOLDEN TREVALLY (<i>Gnathanodon speciosus</i>)_Linh P. Pham*, Dung V. Tran, Hung D. Pham, Hoang M. Le, Thanh T. Hoang, Manh V. Ngo**
14:30	527_EVALUATION OF STOCKING DENSITY ON GROWTH PERFORMANCE AND SURVIVAL OF GLASS EEL (<i>Anguilla marmorata</i>) IN A CONTROLLED INDOOR REARING SYSTEM IN HO CHI MINH CITY, VIETNAM_Thong, N.V*, Hoa, N.P., Quoc, N.B
14:50	494_EFFECTS OF LIGHT INTENSITY AND SPAWNING INDUCTION METHODS ON GONADAL MATURATION, BIOCHEMICAL PROFILES, AND REPRODUCTIVE EFFICIENCY OF <i>Paphia undulata</i> _Dai Trong Vu, Thao Duc Mai*, Thao T. T. Ngo
15:10	Tea
Chair: Dr. Vu Dang Ha Quyen; Prof. Murni Marlina Abd Karim	
15:40	541_HCP65 REGULATES IMMUNITY AND BIOMINERALIZATION IN HYRIOPSIS CUMINGII VIA THE NF-KB SIGNALING PATHWAY_Qi Zhu*, Xuefeng Lv, Zhiyan Wang, Zhiyi Bai
16:00	556E_GENETIC MECHANISM OF BODY COLOR VARIATION IN COMMON CARP_Chenghui Wang*, Jun Wang, Xiaowe Cheng, Jin Ke
16:20	503_SELECTIVE BREEDING PROXIES FOR FEED EFFICIENCY IN BARRAMUNDI <i>LATES CALCARIFER</i> _ Marie Smedley*, Carlos Diaz Gil
16:40	491_EFFECTS OF REARING DENSITY ON JUVENILE MALABAR RED SNAPPER <i>Lutjanus malabaricus</i> _Nguyen Van Minh*, Phan Van Ut, Nguyen Thi Thuy and Le Minh Hoang.
Room: G4.02	
Session III: Nutrition, feed, and resource efficiency and seafood processing	
Chair: A/Prof. Doan Van Hien; A/Prof. Weilong Wang	
13:30	508_COST-REDUCTION AND EFFICIENCY-IMPROVEMENT EFFECTS OF CAROTENOID COMBINATION STRATEGIES BASED ON A COMPREHENSIVE EVALUATION FRAMEWORK IN <i>Penaeus vannamei</i> AQUACULTURE_Weilong Wang*, Xuxiong Huang

13:50	510 _DIETARY LEMONGRASS CYMBOPOGON CITRATUS AQUEOUS EXTRACT ENHANCES GROWTH PERFORMANCE, FEED EFFICIENCY, AND MORPHOMETRIC DEVELOPMENT WITHOUT AFFECTING HEMATOLOGICAL HEALTH OF RED TILAPIA <i>Oreochromis</i> spp._ Jaynos R. Cortes* , Robert Dela Cerna Comahig, Matthew Stephen Mejia Tundag, Junmer T. Serrano, Jodelo C. Rabuya
14:10	553 _EFFECTS OF LYCHEE (LITCHI CHINENSIS) SEED POWDER ON GROWTH PERFORMANCE, INNATE, IMMUNITY, AND IMMUNE-ANTIOXIDANT GENE EXPRESSION IN NILE TILAPIA (<i>Oreochromis niloticus</i>) CULTURED IN A BIOFLOC SYSTEM_Le Xuan Chinh, Supreya Wannavijit, Piyatida Outama, Nuttapon Khongdee, Seyed, Hossein Hoseinifar, Lieke Thora, Hien Van Doan*
14:30	556 _REPLACEMENT OF FISH MEAL IN DIETS FOR JUVENILE YELLOWTAIL USING A COMBINATION OF HIGH- AND LOW-PROTEIN BY-PRODUCTS_ Amal Biswas* , Ryoma Maruyama, Hiroshi Fushimi, Hiroya Sato, Yuichi Shirakashi, Shinya Ashida, Hideki Tanaka
14:50	563E _METABOLIC DISRUPTION AND FLESH QUALITY ALTERATION IN GRASS CARP: LONG-TERM 2-MIB EXPOSURE AND PURIFICATION RECOVERY_ Huan Han* , Derun Yuan, Liping Liu
15:10	Tea
	Chair: Prof. Trang Si Trung; Dr. Nur Leena Wong Wai Sin
15:40	493 _TEMPERATURE AS A REGULATORY DRIVER OF MICROALGAL DEMAND AND SELECTIVE FEEDING IN BLACK TIGER SHRIMP <i>Penaeus monodon</i> LARVAE UNDER VIETNAMESE HATCHERY CONDITIONS_ Thao Duc Mai* , Dai Trong Vu, Kim Jye Lee-Chang, and Hung Quoc Pham
16:00	516 _SUSTAINABLE HARVESTING OF <i>Chaetoceros</i> sp. USING COMMERCIAL BIO-FLOCCULANTS DERIVED FROM MARINE BY-PRODUCTS: IMPLICATIONS FOR AQUACULTURE NUTRITION_Pharm Thi Dan Phuong, Tran Thi Quynh Nhu, Mai Duc Thao, Le Minh Hoang, Trang Si Trung*
16:20	547 _INTEGRATED EFFECTS OF FEEDING REGIMES ON GROWTH PERFORMANCE AND ECOSYSTEM PRODUCTIVITY IN RESERVOIR CAGE CULTURE OF GIFT TILAPIA <i>Oreochromis niloticus</i> _Swapnil Chavhan, M. T. Kamble, S. V. Medhe, S.S. Wasave, H. B. Dhamagaye, G. S. Ghode, V. R. Thakur, Absar Alam and B.R. Chavan*
Room: G4.03	
Session IV: Environment, climate, climate change and carbon dynamics Chair: Dr. Luong Cong Trung; Prof. Budy Wiryawan	
13:30	476 _ENHANCING CLIMATE RESILIENCE IN COMMERCIAL GROUPER <i>Epinephelus</i> spp. AQUACULTURE: THE ROLE OF AQUAVOLTAIC FACILITIES AND SMART MONITORING SYSTEMS_ Hsin-Yi Liu* , Chih-Yao Hou, Asif Ali Bhat, Yu-Wei Chen, Shin-Yu Chen, Ming-Kuei Shih, Kuo-Huan Ting.

13:50	489_ENHANCING OFFSHORE FISH PRODUCTION WITH ENVIRONMENTAL DATA_Nhan Thanh Pham* , Trung Ba Pham, Hoan Sy Pham, Linh Tuan Tran Vo, Thu Minh Pham, Nguyen Vinh Do, Dien Nguyen Van, Nghia Chi Pham, Hien Trong Nguyen, Duy Hoai Le Phan, Binh Ngoc Hoang, Vyshal Delahaut, Josh Goldman, Mark Moline.
14:10	482_TECHNOLOGIES TO MITIGATE AQUACULTURE CARBON EMISSIONS AID IN CLIMATE CHANGE ADAPTATION_Nicholas E. Ray* , Marcelo Gomes da Silva, Mohamed ElSayed Megahed, Nathan Barros, Mirella de Souza Nogueira Costa, Edward A. Hale, Sebastian A. Heilpern, Jessica Gephart, Kyle F. Davis, Fernanda Garcia Sampaio.
14:30	560E_DEVELOPMENT AND APPLICATION OF A MULTI-PARAMETER IN-SITU WATER QUALITY MONITORING SYSTEM FOR EARLY DETECTION OF ENVIRONMENTAL STRESS IN MARINE CAGE AQUACULTURE_Budy Wiryawan* , Domu Simbolon, Donwill Panggabean, Mario Limbong, Yuniar Endri Priharanto, Rauzatul Nazzla, Irfan Yulianto, Neil R.Loneragan
14:50	528_UTILIZATION OF <i>Chaetoceros mulleri</i> FOR NUTRIENT REMOVAL FROM SHRIMP WASTEWATER AND ARTEMIA BIOMASS PRODUCTION_Trung C. Luong, Thong V. Le, Dat M. Duong, Kiet M Duong, Huy D, Nguyen*
15:10	Tea
	Chair: Prof. Vu Ngoc Ut; A/Prof. Li Kang
15:40	562_VITELLOGENIN RECEPTOR MEDIATES HEAT ADAPTABILITY OF OOCYTE DEVELOPMENT IN MUD CRABS AND ZEBRAFISH_Muhua Wang*
16:00	579_RETENTION AND NURSERY FUNCTION OF COASTAL WATERS FOR FISH AT EARLY LIFE STAGES AND THE POTENTIAL IMPACTS OF CAGE CULTURE_XIE Songguang
16:20	567E_GREENHOUSE GAS EMISSIONS FROM SHRIMP FARMING SYSTEMS IN THE MEKONG DELTA, VIET NAM_Vu Ngoc Ut* , Tran Trung Giang, Ho Tuan Long, Peter Goethals
16:40	526_GREENHOUSE GAS EMISSION PATTERNS AND CONTROLLING FACTORS IN TRADITIONAL TILAPIA AQUACULTURE: IMPLICATIONS FOR CARBON DYNAMICS AND ENVIRONMENTAL SUSTAINABILITY_Li Kang* , Huang Hongmin, Li Jiawei, Liu keke, Wang Yuanyuan, Xu Can, Liang Qiancai, Che Nanqing, Liu Liping.
Room: G4.04	
Session V: Health management and biosecurity Chair: Dr. Nguyen Thi Anh Thu; Dr. Derun Yuan	
13:30	565E_ALTERNATIVES TO ANTIMICROBIALS IN AQUACULTURE_Derun Yuan

13:50	558_RAPID DETECTION OF CYHV-2 USING A ONE-POT RAA-CRISPR/CAS12A ASSAY COMBINED WITH FE-IRON FLOCCULATION _Tian Hu*, Hao Wang
14:10	568_ISOLATION, GENOMIC CHARACTERIZATION, AND CONTROL STRATEGIES FOR SCALE DROP DISEASE VIRUS: DEVELOPMENT OF VACCINES AND DIAGNOSTIC ANTIBODIES _Yuting Fu* , Chuanfu Dong, Jianguo He, Shaoping Weng, Yong Li
14:30	485_LESSONS LEARNED FROM AN EVIDENCE-BASED APPROACH TO ADVANCE OFFSHORE BARRAMUNDI (<i>Lates calcarifer</i>) FARMING Vyshal Delahaut
14:50	576_ARTIFICIAL INTELLIGENCE IN CAGE AQUACULTURE: CURRENT APPLICATIONS, CHALLENGES AND FUTURE PROSPECTS _QU Xiao , XIA Wentong, SONG Yiqing, CHENG Fei, XIE Songguang
15:10	Tea
	Chair: Dr. Nguyen Thi Anh Thu; A/Prof.Wang Muhua
15:40	481_NOVEL GLYCOPROTEIN A PROMISING SOURCE OF ANTIMICROBIAL: FUNCTIONAL INSIGHT IN TO N-MUCIN DERIVED FROM SKIN MUCUS OF CTENOPHARYNGODON _Huma Naz* , Syed Qaswar Ali Shah and Tanveer Ahmed
16:00	524_LONGITUDINAL DYNAMICS OF RESISTOME AND PATHOBIOME IN FARMERS, LIVESTOCK AND ENVIRONMENT IN AQUACULTURE FLOATING FARMS _Tran Son Hoang
16:20	566_SINGLE-CELL ANALYSIS IDENTIFIES LYMPHOCYTES AS THE MAJOR TARGETS AND SOURCE OF MEGALOCYTIC CELLS DURING ISKNV INFECTION IN SINIPERCA CHUATSI _Wenfeng Zhang* , Xiaosi Wu, Hebing Wang, Yuting Fu, Weixuan Fu, Yong Li, Shaoping Weng, Jianguo He, Chuanfu Dong
16:40	554E_CURRENT STATUS AND DEVELOPMENT TRENDS OF CHINA'S SMALL-SHED SHRIMP FARMING INDUSTRY _Huaiyi Fang* , Chengpeng Yang, Haowen Guo, Xiaohui Caia, Yanqiu Zhang
17:00	559_EVALUATION OF THE EFFECTS OF STAR ANISE (<i>Illicium verum</i>) AQUEOUS EXTRACT AGAINST CYPRINID HERPESVIRUS 2 _Jia Yang* , Hao Wang
Room: G4.05	
Session VI: Sustainable welfare, socio-economics, livelihoods and gender in aquaculture Chair: A/Prof. Tran Minh Phu; Prof. Kyoko Kusakabe	
13:30	523_EMPOWERMENT THROUGH MONITORING: CASES OF WOMEN AQUACULTURISTS IN THAILAND AND CAMBODIA _Kyoko Kusakabe
13:50	546_GENDER PROCESS MONITORING IN NATURE-BASED CLIMATE SOLUTIONS IN AQUACULTURE: A CASE STUDY OF WOMEN SEAWEED FARMERS IN THE PHILIPPINES _Alice Joan G. Ferrer* , Jinky C. Hopanda, Irish Ain Abordo

14:10	550E_BRIDGING THE GENDER GAP IN AQUACULTURE: CONSTRAINTS AND OPPORTUNITIES FROM RICE–FISH FARMING IN THAILAND_Malasri Khumsri* , Kyoko Kusakabe, Chollada Wongpanich
14:30	545_GENDER-RESPONSIVE MONITORING SCHEMA - ITS RELEVANCE TO AQUACULTURE_Arlene Nietes Satapornvanit
14:50	506_TOWARDS SUSTAINABLE FRESHWATER PEARL AQUACULTURE: SPATIOTEMPORAL DYNAMICS ASSESSMENT OF CARRYING CAPACITY AND FARM-FITTING ZONING FOR HYRIOPSIS CUMINGII IN QIANHE LAKE_Chengxin Wang* , Zhiyan Wang, Wanyi Song, Yue Zhang, Romaric Iko, Zhongjun Hu, and Zhiyi Bai
15:10	Tea
	Chair: Assoc.Prof. Vo Nam Son; A/Prof.Wenbo Zhang
15:40	564E_FISH WELFARE: CHALLENGES AND OPPORTUNITIES FOR IMPROVEMENT IN ASIAN CAGE AQUACULTURE_Simão Zacarias* , John Bostock, Dave Little
16:00	525_CURRENT AQUATIC ANIMAL WELFARE RESEARCH AND PRACTICE DEVELOPMENT IN CHINA_Lu Chen* , Zhangying Ye
16:20	570_ASSESSING AQUACULTURE TRANSFORMATION INITIATIVES IN CHINA_Wenbo Zhang
16:40	573_INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) EXPENDITURES AMONG AQUACULTURE PRODUCERS IN THE PHILIPPINES: WHAT OUR NATIONAL SURVEYS TELL US_Gay Defiesta* and Gay Margaret Gange

Friday, 17 July 2026	
Hall 1	
9:00	Keynote 4_AQUACULTURE TRANSFORMATION IN ASIA AND THE PACIFIC REGION_A/Prof. Wenbo Zhang Chair: Assoc.Prof. Nguyen Phu Hoa; Prof. Yu Hung Lin
9:40	Keynote 5_FROM HATCHERY TO HARVEST: EVERY SUCCESSFUL CAGE FARM BEGINS WITH HEALTHY SEED_Assoc. Prof Ching Fui Fui Chair: Assoc.Prof. Nguyen Phu Hoa; Prof. Yu Hung Lin
10:20	Tea
10:40	Keynote 6_ BEYOND THE CAGE: RETHINKING AQUACULTURE IN ASIA THROUGH THE LENS OF PEOPLE, POWER, AND SUSTAINABILITY_Prof. Dr. Alice Joan G. Ferrer Chair: Assoc.Prof. Nguyen Phu Hoa; Prof. Yu Hung Lin

11:00	Keynote 7_MARINE CAGE AQUACULTURE IN SOUTH CENTRAL VIETNAM: CHALLENGES, OPPORTUNITIES, AND FUTURE DIRECTIONS_Assoc. Prof. Pham Duc Hung Chair: Assoc.Prof. Nguyen Phu Hoa; Prof. Yu Hung Lin
11:45	Lunch
Hall 1	
Session I: Cage and offshore aquaculture systems Chair: Assoc.Prof. Nguyen Phu Hoa; Prof. Yu Hung Lin	
13:30	561_AN IMMERSED BOUNDARY METHOD-BASED POROUS MEDIA MODEL FOR AQUACULTURE NETS IN WAVE_Zhongqi Fan, Chao Ma, Yunpeng Zhao*
13:50	552_ASSESSMENT OF CAGE AQUACULTURE PRACTICES AND THEIR IMPACT IN POKHARA VALLEY LAKES IN NEPA_Nelson Pokhrel
14:10	484_STRENGTHENING COASTAL LIVELIHOODS THROUGH CLIMATE-SMART OYSTER FARMING: EVIDENCE FROM THE NFRDI OYSTER PROJECT_Joseph Christopher C. Rayos
14:50	Tea
Room: G4.02	
Session III: Nutrition, feed, and resource efficiency and seafood processing Chair: Dr. Bui Ngoc Thanh; Dr.Liu Jingwei	
13:30	555E_EFFECTS OF CHLOROGENIC ACID ON GROWTH PERFORMANCE, DIGESTIVE METABOLISM, AND MUSCLE QUALITY OF HYBRID TILAPIA (Oreochromis niloticus)_Yanqiu Zhang*, KunTang, Huaiyi Fang
13:50	535_THE COMPARATIVE STUDY ON EFFECT OF <i>Gracilaria lemaneiformis</i> FROM VARIOUS ENVIRONMENTAL STRESS CONDITIONS SUPPLEMENT ON GROWTH PERFORMANCE OF RED TILAPIA (<i>Oreochromis</i> sp.) DIETARY_Witsarute Wiang-inn*, Jingyu Li, Noratat Prachom
14:10	540_HOW DOES U.S. SOY FIT THE NEW ERA OF MARINE AQUACULTURE?_Bui Ngoc Thanh*
14:30	548_NEUROENDOCRINE REGULATION AND METABOLIC ADAPTATION OF GROWTH HETEROGENEITY IN JAPANESE EEL (<i>Anguilla japonica</i>): MECHANISMS AND MITIGATION STRATEGIES_Jingwei Liu*, Zhenzhu Wei, Xiangbiao Zeng, Tianwei Jiang, Liping Liu
14:50	Tea

Room: G4.05	
Session VI: Sustainable welfare, socio-economics, livelihoods and gender in aquaculture	
Chair: Dr. Ngo Phuong Linh; Prof. Indah Susilowati	
13:30	480_MARINE FISH WELFARE IN VIETNAM: POMPANO AQUACULTURE AS A CASE STUDY_Linh P. Pham* , Manh V. Ngo, Anh T. Pham, Cuong T. Le, Phu M. Tran, Sunil Kadri, Dai T. Vu
13:50	432_AN ANALYSIS OF CARBON EMISSION FROM TOURISM ACTIVITIES IN KARIMUNJAWA, INDONESIA_Indah Susilowati , Zulfikar Al Hafidz, Waridin Waridin, Nur Shafika, Jubakti Anggoro
14:10	435_THE RESILIENCE OF MIGRANT FISHER'S WIVES IN SECURING THE FAMILY ECONOMY AND CHILDREN'S EDUCATION (A CASE STUDY IN BATANG REGENCY, INDONESIA)_Nugroho SBM , Waridin Waridin, Indah Susilowati, Nur Shafika and Made Ika Prasetyadewi
14:30	487_FEASIBILITY OF ASIAN SEABASS IN FRESHWATER AQUACULTURE: A STUDY ON SALINITY ADAPTATION AND FEEDING EFFICACY_Wahidul Abrar* , Md Abu Yousof, Ariful Islam Babon, Prosonjit Chandra Sarkar, Md Shahjahan
14:50	Tea
17:00	GALA DINNER: Champa Island Resort and Spa Address: 304, 2/4 Street, Nha Trang Restaurant: GANESHA hall
17:00	- Reception and registration - Cultural Performance (15 mins) - Best Paper Award Ceremony - Two-minute speech for sponsors (3 Platinums) - Speech by NTU and Opening of the Banquet

POSTER SESSION (16 - 17 July 2026)	
Hall 2	
Session I: Cage and offshore aquaculture systems	
562E_PREVALENCE AND TYPES OF MORPHOLOGICAL ABNORMALITIES OF FINGERLINGS AT MARINE FISH HATCHERIES IN KHANH HOA PROVINCE, VIETNAM_Hoang Thi Thanh	
577_STUDY ON THE SETTLEMENT MOTION CHARACTERISTICS OF TRUSS-TYPE AQUACULTURE CAGE UNDER CORRELATED WAVE-CURRENT LOADS_Jun Zhang	

Session II: Breeding, seed production, and genetic improvement

279_INFLUENCE OF SEX RATIO ON SPAWNING AND AGGRESSIVE BEHAVIOR OF MANGROVE RED SNAPPER (*Lutjanus argentimaculatus*) BROODSTOCKS IN CAPTIVITY_**Rungtiwa Konsantad*** and Vutthichai Oniam

575_EFFECT OF FEEDING FREQUENCY ON GROWTH PERFORMANCE, SURVIVAL RATE, AND FEED CONVERSION RATIO OF HYBRID GROUPER (*Epinephelus lanceolatus* ♂ × *Epinephelus coioides* ♀) JUVENILES REARED IN SEA CAGES_Yen H. T. Dinh, Thanh Q. Vu, Lam N. Hoang, **Thuy T. Nguyen***

566E_HISTOLOGICAL TRANSFORMATION OF THE GONAD FROM SEX DIFFERENTIATION TO FEMALE-TO-MALE SEX REVERSAL IN THE ORANGE-SPOTTED GROUPER *Epinephelus coioides*_**Dam Ba Long**

569E_MOLECULAR CHARACTERIZATION OF WNT4 AND VASA DURING GONADAL DIFFERENTIATION IN ORANGE-SPOTTED GROUPER (*Epinephelus coioides*)_**Dam Ba Long**

Session III: Nutrition, feed, and resource efficiency and seafood processing

559E_EFFECTS OF DIETARY DRIED LEMON PEEL OR FERMENTED LEMON PEEL SUPPLEMENTATION ON GROWTH, NUTRIENT DIGESTIBILITY, AND INTESTINAL HEALTH OF GROUPER (*Epinephelus lanceolatus*)_**Yu-Hung Lin**, Yen-Chun Lee, Li-Chao Zhuo

497_EFFECTS OF DIETARY CHITOSAN SUPPLEMENTATION ON GROWTH PERFORMANCE, HEMATOLOGICAL PARAMETERS, AND THERMAL STRESS TOLERANCE IN JUVENILE COBIA (*Rachycentron canadum*)_Pham Thi Hanh, Hua Thi Ngoc Dung, Trang Si Trung, Tran Vi Hich, **Le Minh Hoang***

498_VITAMIN C IMPROVES GROWTH AND IMMUNITY OF RED DRUM (*Sciaenops ocellatus*) UNDER ELEVATED TEMPERATURE_Pham Thi Hanh, Nguyen Thi Thuy, Tran Vi Hich, **Le Minh Hoang***

499_EFFECTS OF COMBINED DIETARY VITAMIN C AND CHITOSAN SUPPLEMENTATION ON JUVENILE COBIA (*Rachycentron canadum*) UNDER HIGH-TEMPERATURE STRESS_Pham Thi Hanh, **Hua Thi Ngoc Dung***, Trang Si Trung, Tran Vi Hich, Le Minh Hoang

505_EFFECTS OF DIETARY VITAMIN C SUPPLEMENTATION ON GROWTH PERFORMANCE, IMMUNE RESPONSE, AND SKELETAL INTEGRITY OF GOLDEN POMFANO *Trachinotus blochii* JUVENILES_**Hanh Thi Pham***, Hich Vi Tran, Hoang Minh Le

568E_ECOLOGICAL CATALYSTS: DECIPHERING THE IMPACT OF SINGLE AND MULTI-STRAIN PROBIOTICS ON THE GUT MICROBIOTA INTERACTOME AND GROWTH PERFORMANCE OF *Litopenaeus vannamei*_**Quyen Dang Ha Vu***, Oanh Thi Truong, Sang Quang Tran, Trung Duc Vo and Binh Thuy Dang

Session IV: Environment, climate, climate change and carbon dynamics

580_TIDAL MIGRATION OF JUVENILES IN COASTAL AREAS OF WENCHANG, HAINAN_Ying Lu, Zhang Lu, Zhongbo Miao, **Wentong Xia***, Songguang Xie

544_UTILIZATION OF SHRIMP FARMING WASTEWATER FOR ARTEMIA BIOMASS PRODUCTION AND NUTRIENT RECOVERY_Trung C. Luong, Thong V. Le, Dat M. Duong, Kiet M Duong, **Huy D, Nguyen***

552E_ENVIRONMENTAL CONTROL OF SPATIAL-TEMPORAL DYNAMICS AND LIFE CYCLE EXPRESSION IN *Asparagopsis taxiformis* FROM SOUTH-CENTRAL VIETNAM_Thao Duc Mai*, Anh Thi Pham, and Dai Trong Vu

565_DEVELOPMENT AND CHARACTERIZATION CALCIUM COMPOUNDS FROM VALORIZED MUSSEL SHELLS, CARBOXYMETHYL CELLULOSE AND BAMBOO ASH SILICA COMPOSITES FOR EFFICIENT REMOVAL OF EXCESS AMMONIA FROM AQUACULTURE WATER_Concepcion P. Ponce*

496_OYSTER FARMING AS A NATURE-BASED APPROACH TO CLIMATE CHANGE ADAPTATION IN THE MEKONG DELTA, VIETNAM_Nguyen Thi Ngoc Anh*, Vo Nam Son, Nguyen Thi Kim Ha, Nguyen Minh Vuong, Phan My Anh, Do Thi Thanh Huong, Nguyen Do Quynh, Nguyen Thanh Phuong

Session V: Health management and biosecurity

507_EFFECTS OF FUCOIDAN ON BACTERIAL GROWTH AND MACROPHAGE OXIDATIVE ACTIVITY IN GOLDEN POMPANO (*TRACHINOTUS OVATUS*)_Thu Thi Anh Nguyen*, Cuong Thanh Le, Cam Hong Van, Anh Thi Phuong Tran

519_ANTIBIOTIC RESISTANCE AND RESISTANCE GENES IN VIBRIO SPP. ISOLATED FROM WHITELEG SHRIMP (*Litopenaeus vannamei*) POSTLARVAE IN CENTRAL VIETNAM_Anh P. N. Kieu, Huong T. T. Dinh, Thu T. M. Le, Vy N. T. Ngo, Trieu T. Le, Nguyen Thu T. A. Nguyen, Cam V. Hong, Thu D. M. Nguyen, **Cuong T. Le***

518_VIRULENCE GENE PROFILES AND PATHOLOGICAL EFFECTS OF VIBRIO PARAHAEMOLYTICUS ISOLATED FROM WHITELEG SHRIMP (*Litopenaeus vannamei*) POSTLARVAE_Huong T. T. Dinh, Anh P. N. Kieu, Thu T. M. Le, Vy N. T. Ngo, Phu D. Ha, Tai T. Le, Thu T. A. Nguyen, Cam V. Hong, **Cuong T. Le***

532_PATHOGENICITY OF VIBRIO HARVEYI ASSOCIATED WITH SCALE LOSS AND MUSCLE NECROSIS IN CAGE-CULTURED RED DRUM (*Sciaenops ocellatus*) IN VIETNAM_Cuong T. Le*, Thu T. A. Nguyen, Thuy T. Nguyen

569_MANDARIN FISH TANKYRASE 1-LIKE PROTEIN REGULATES THE WNT/B-CATENIN PATHWAY AND FACILITATES THE INFECTIOUS SPLEEN AND KIDNEY NECROSIS VIRUS REPLICATION_Zhimin Li, Yashan Wu, Jian He, Kun Wu, Shaoping Weng, Changjun Guo, Jianguo He

574_TRANSCRIPTOMIC INSIGHTS INTO GROUPEUR NEURO-REGENERATION AND THE SUSCEPTIBILITY OF NERVOUS NECROSIS VIRUS_Han You Lin

Saturday, 18 July 2026		
FIELD TRIP		
Marine Cage Farming & Hatchery Systems		
Time	Activity	Key Learning Objectives
08:00	Departure	Pick up from NTU
09:00	Fin fish Hatcheries (Vinh Luong)	Observe low-overhead larval rearing and local methods for fingerling production.
10:00	Nha Phu Bay Transit	Short travel to the pier for boat boarding.
10:30	Wooden Floating Farms (Nha Phu Bay)	Visit traditional grow-out cages (Grouper, Snapper, or Cobia). Discuss local feed management and cage durability.
12:30	Working Lunch	Seafood lunch at a local restaurant.
14:00	Visiting sea grapes showroom (Ninh Hoa)	Sea Grapes Production, Processing, and Trading Showroom
16:00	Return Transit	Briefing and Q&A session on the bus.
17:00	Drop-off	Return to NTU/hotels

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