# The 7<sup>th</sup> International Symposium on Cage Aquaculture in Asia (CAA7)

Nov. 29th-Dec. 2nd, 2023 Hainan, China

# Organized by:

**Asian Fisheries Society (AFS)** 

**Hainan University (HNU)** 

**Shanghai Ocean University (SHOU)** 

China-ASEAN 'The Belt and Road' Joint Laboratory of Mariculture Technology

**Center for Ecological Aquaculture (CEA)** 











#### Co-organized by:

**Network of Aquaculture Centres in Asia-Pacific (NACA)** 

Hainan Academic of Ocean and Fisheries Sciences
Shanghai Fisheries Society

Hainan Agriculture Resource System for Grouper Culture Industry

**China Blue Sustainability Institute** 

Hainan South East Sea Conference Co., Ltd.











#### Friendship Sponsors:

Yueyang Yumeikang Biotechnology Co., Ltd.
Hainan Haiwangxing Aquatic Science and Technology Co., Ltd.

#### **Exhibiting Participants:**

Aquaculture and Fisheries (Chinese Fisheries Society)
Shanghai Ocean University Journal Center
Continuously updating.....

# Background

Cage and offshore aquaculture are important models in the field of aquaculture. With the increasing emphasis on environmental conservation, offshore cage aquaculture is expected to be a significant direction for future aquaculture development. It serves as a crucial means to ensure the supply of high-quality aquatic protein for human consumption. To promote networking and collaboration among stakeholders involved in fisheries and aquaculture production, research, and development across Asian countries, the Asian Fisheries Society (AFS), Hainan University (HNU), Shanghai Ocean University (SHOU), China-ASEAN 'The Belt and Road' Joint Laboratory of Mariculture Technology, and the Center for Ecological Aquaculture (CEA) will jointly host the 7<sup>th</sup> International Symposium on Cage Aquaculture in Asia (CAA7) in Haikou, Hainan of China from November 29th to December 2nd, 2023. The event will feature pioneering plenary talks followed by six sessions including: Production Systems; Breeding and Seed Production; Nutrition and Feed; Carbon Sink and Fouling Organisms; Health and Environment Management; Economics, Gender, Livelihood and Policies. These are relevant to aquaculture as a whole i.e., extending beyond and more than cage and offshore aquaculture alone. We sincerely invite all experts, scholars professionals and particularly young researchers, who have interests or research findings in the broader fields of fisheries and aquaculture to attend the conference.

Hainan, located in a tropical region of China and surrounded by the South China Sea, possesses unique advantages and conditions for the development of offshore cage aquaculture and other forms of cage aquaculture. It has a marine area of 2 million km² and has been at the forefront of deep-sea cage aquaculture in China. Hainan's achievements in the field of cage aquaculture have garnered significant attention both domestically and internationally. Additionally, HNU has made remarkable progress in the areas of fisheries and aquaculture. Currently, Hainan Province is actively developing the world's largest free trade port and has implemented a visa-free entry policy for delegates from 59 countries. This policy greatly facilitates attendance at conferences and ensures convenience for participants.

The AFS aims to promote networking and cooperation among scientists, technicians, and all stakeholders involved in fisheries and aquaculture production, research, and development in the Asian region. The CAA7, jointly organized by AFS, HNU, and other co-organizers and sponsors, seeks to summarize the current status and experiences of cage aquaculture in Asia and worldwide. It will also address the challenges and future areas of development and direction. The symposium aims to facilitate the upgrading and healthy rapid development of the cage aquaculture industry in Asia.

The symposium will feature presentations by representatives from China, Philippines, Malaysia, Indonesia, India, Thailand, Australia, and other Asian countries and areas. We cordially invite deans, experts, young scholars, representatives of aquaculture production-related enterprises, as well as doctoral and master's students from relevant institutions in fisheries and aquaculture in China and other Asian countries to attend the symposium.

#### Theme and Schedule

#### 1. Conference Theme and Session Conveners

"Sustainable Development of Cage Aquaculture in Asia"

Session I: Production Systems

Conveners: Neil Loneragan, YANG Hongsheng, LIU Ying, GUAN Changtao

Session II: Breeding and Seed Production

Conveners: Kuldeep K LAL, Nur Leena WONG, HU Wei, MA Aijun, XU Peng, BAI Zhiyi

Session III: Nutrition and Feed

Conveners: XIE Shouqi, TAN Beiping, HUANG Xuxiong, AI Qinghui

Session IV: Carbon sink and fouling organisms

Conveners: Wilfredo CAMPOS, YANG Yufeng, LIU Tao, DONG Bo, YANG Jinlong

Session V: Health and Environment Management

Conveners: Murni Marlina Abd KARIM, HUANG Jie, ZHANG Yongan

Session VI: Economics, Gender, Livelihood, and Policies

Conveners: Hillary ENGA, Alice Joan FERRER, HAN Han, ZHANG Wenbo

#### 2. Conference Schedule

Nov. 29<sup>th</sup>: 2023: Registration;

Nov. 30<sup>th</sup>: 2023: Morning - Opening ceremony and plenary sessions,

Afternoon - Parallel sessions;

Dec. 1<sup>st</sup>, 2023: Morning - Parallel sessions,

Afternoon - Parallel sessions, selection of Outstanding Young

Scholar's Reports, and closing ceremony;

Dec. 2<sup>nd</sup>, 2023: Field visit to cage aquaculture facilities or departure.

#### 3. Conference Format and Activities

The symposium will be held on-site, with online (via Zoom meeting) participation as an option for specially invited experts unable to attend in person. The conference will be conducted in English, and plenary speakers will have 25 minutes for their presentations, while other experts and scholars will have 15 minutes for their oral presentations. There will be a poster exhibition for showcasing significant research and production technology achievements.

To encourage young scholars to publish high-quality reports, a separate segment will be dedicated to recognizing and awarding Outstanding Young Scholars' Reports by the Conference Academic Committee, specifically catering to graduate students and young researchers (35 years old and younger). Additionally, this conference will include a Chinese-language communication session for some Chinese scholars and professionals in academia and industry to exchange ideas and present their work.

# **Abstract Submission and Sponsorship Invitation**

The conference is currently accepting abstract submissions for research papers relevant to the conference theme. Abstracts should be written in English and limited to a maximum of 500 words. All submitted abstracts will be included in the conference handbook and considered for oral presentations. Attendees may request a certificate of attendance. Abstracts are required to format according to Appendix 1 and send to the email box: caa7hn2023@163.com. The deadline for abstract submission has been postponed to October 31st, 2023.

# Date, Venue, Accommodation and Transportation

**1. Date:** Nov. 29<sup>th</sup> to Dec. 2<sup>nd</sup>, 2023

2. On-site Venue: International Academic Exchange Center, Hainan University, China

Address: No. 58 Renmin Road, Meilan District, City of Haikou, 570228, Hainan. Province, China.

#### 3. Accommodation

We have booked Rooms for CAA7 participants in the conference hotel, International Academic Exchange Center, Hainan University.

Room Rates: City-view King/Twin Bed, CNY \$350/room; Lake-view King/Twin Beds, CNY \$400/room; Deluxe King Bed, CNY \$450/room (All include breakfast; (USD  $\$1 \approx$  CNY \$7.30).

Please fill in the room reservation information in the registration from (Appendix 2) by scanning the QR code on the flyer. Registered participants from the 1<sup>st</sup> round can send the booking information to the conference email box (caa7hn2023@163.com). Depending on room availability and booking status, the organizing committee may adjust the selected room type for conference participants. Payment will be completed by delegation directly at the hotel cashier. Only Chinese Yuan (CNY) and US dollars (USD) are accepted. Payments can be made in cash or with Visa, Mastercard, JCB or other cards that have international payment capabilities.

#### 4. Transportation

For transfer instructions, please refer to the airline transportation guide: <a href="http://www.mlairport.com/mljcen/Taxi/">http://www.mlairport.com/mljcen/Taxi/</a>.

Airport: Meilan International Airport (Haikou 571126, Hainan Province, China);

Destination: International Academic Exchange Center (right by the East Gate of Hainan University).

Options: (1) Taking a taxi from the airport to the venue typically takes around 45 minutes and costs approximately CNY \(\frac{4}{80}\) (about USD \(\frac{5}{10.96}\)). (2) Airport Bus Line 4 (Meilan Airport - North Gate of Hainan University) provides one-way tickets at CNY \(\frac{4}{20}\) (about USD \(\frac{5}{2.74}\) per person, with continuous service from 6:20 AM to 9:20 PM, departing every hour. The North Gate is approximately 1.5 kilometers away from the venue (East Gate of Hainan University).

### **Registration Fees and Payment Options**

	Registration fee (USD/\$)		
Attendees	By Oct. 31st, 2023 (inclusive)	After Nov. 1 <sup>st</sup> , 2023 (inclusive)	
Regular Participants	\$250/person	\$300/person	
AFS Members*	\$200/person	\$250/person	
Students	\$190/person	\$230/person	
AFS Student Members*	\$150/person	\$180/person	

Conference attendees are encouraged to make their registration fee payments via bank transfer. On-site cash payments are accepted only in Chinese Yuan (CNY) and US Dollars (USD) at an exchange rate of approximately USD  $1 \approx \text{CNY } 7.30$ . When making a bank transfer, please indicate "XXX (institution) XXX (name) CAA7 registration fee" on the remittance form.

The remittance details are as follows:

Bank Name: Bank of China, Hai Nan Branch, Hai Dian Sub-branch Account Name: Hainan South East Ocean Conference Service Co., Ltd

Account Number: 2662 5502 9985 SWIFT CODE: BKCHCNBJ740

Bank address:

NO.1 EAST HAIDIAN ROAD, MEILAN DISTRICT, HAIKOU CITY, HAINAN PROVINCE, P.R. CHINA

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Dr. ZHANG Dongdong: Hainan University, CHINA

# Visa Application Guide for Hainan

For accurate Visa Exemption Policies for China and visa application processing, please consult your local Chinese Embassy and Consulates. This website provides detailed information on Visa Exemption Policies for China <a href="https://www.visaforchina.cn/BUH2\_EN/generalinformation/visaknowledge/263512.s">https://www.visaforchina.cn/BUH2\_EN/generalinformation/visaknowledge/263512.s</a> <a href="https://www.visaforchina.cn/BUH2\_EN/generalinformation/visaknowledge/263512.s">httml</a>, and the related List of Agreements on Mutual Visa Exemption Between China and Foreign Countries can be found here <a href="http://cs.mfa.gov.cn/zlbg/tyxy\_660627/t902373.shtml">http://cs.mfa.gov.cn/zlbg/tyxy\_660627/t902373.shtml</a>. We have also listed several important visa exemption policies below for reference by participants outside of China:

#### 1. Hainan 59-Country Visa-Free Entry Policy Guide

- Travelers from the 59 visa-free entry-eligible countries may travel from or through Hong Kong or any other places outside Mainland China with a direct flight to Hainan (for tourism, attending conferences, and personal or group travel).
- The maximum length of stay for visa-free travelers in Hainan is 30 days (Singapore, Japan, and Brunei may stay no longer than 15 days).
- Travelers who need to travel to other parts of China must apply for a visa.

• Reference website: <a href="https://mp.weixin.qq.com/s/9RVDLtjffbXXrYy">https://mp.weixin.qq.com/s/9RVDLtjffbXXrYy</a> C9q7jg

#### 2. List of 59 Countries eligible for Visa-Free Entry to Hainan

Russia, the United Kingdom, France, Germany, Norway, Ukraine, Italy, Austria, Finland, Netherlands, Denmark, Switzerland, Sweden, Spain, Belgium, Czech Republic, Estonia, Greece, Hungary, Iceland, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovakia, Slovenia, Ireland, Cyprus, Bulgaria, Romania, Serbia, Croatia, Bosnia and Herzegovina, Montenegro, Macedonia, Albania, the United States, Canada, Brazil, Mexico, Argentina, Chile, Australia, New Zealand, South Korea, Japan, Singapore, Malaysia, Thailand, Kazakhstan, Philippines, Indonesia, Brunei, UAE, Qatar, Monaco, and Belarus.

#### • Reference websites:

http://en.hainan.gov.cn/englishgov/Application/202112/d29eec2f775d4b2294e2061a78c28d70.shtml https://www.visaforchina.cn/OSA2 EN/generalinformation/news/283409.shtml

#### 3. Citizens of Singapore, Brunei and Japan

A citizen of Singapore, Brunei or Japan with an ordinary passport is exempted from a visa if he or she visits China's mainland for tourism, business, or meeting with friends or relatives, and if he or she enters China through ports open to foreigners, and stays for no more than 15 days.

However, a visa is required for citizen of these three countries under any of the following circumstances: (1) An ordinary passport holder visits China for tourism, business, or meeting with friends or relatives, and stays for more than 15 days. (2) An ordinary passport holder visits China for the purpose of study, work, permanent residency, official visits or news coverage. (3) A Japanese citizen travels with a diplomatic or official passport.

#### **Other Relevant Matters**

- 1. Sponsorship and Enterprises Exhibition and Networking: To ensure the successful organization of the symposium, we kindly invite aquaculture and cage farming-related enterprises to participate as sponsors. Sponsorship offers an excellent opportunity to showcase advanced technologies and innovative products, foster collaboration with international counterparts, and promote business development.
- 2. This conference is not limited to the cage aquaculture. We sincerely invite leaders, experts, scholars, and professionals in the fisheries and aquaculture-related fields to attend the conference. Please submit the completed registration form (**Appendix 2**) by scanning the QR code on the flyer. To ensure optimal reception, it is recommended to register by October 31<sup>st</sup>, 2023.
- 3. For abstract submissions and inquiries regarding sponsorship opportunities, please contact us according to the contact information.

4. Accommodation and transportation expenses during the conference will be the responsibility of the participants. Registered participants from the 1<sup>st</sup> round can send accommodation reservation and flight information directly to the conference email box caa7hn2023@163.com. Please also specify any dietary restrictions, if applicable.

#### **Contact Information**

#### 1. Symposium Sponsorship

- School of Marine Biology and Aquaculture, Hainan University Contact: LUO Jian, Email: luojian@hainanu.edu.cn
- College of Fisheries and Life Science, Shanghai Ocean University, Contact: LIU Liping, Email: lp-liu@shou.edu.cn

#### 2. Conference Registration and Abstract Submission

School of Marine Biology and Aquaculture, Hainan University

Contact: ZHAND Dongdong, Tel., +8618976909754;

Email: caa7hn2023@163.com

# Appendix 1

#### **Abstract Instructions**

- TITLE OF PAPER: The abstract title should be formatted in bold. Capitalize the initial letter of each word, with the exception of scientific names which should be upper/lower case and italicized (see example). Scientific names should not be preceded or followed by commas or parentheses or other markings.
- AUTHOR(S): Indicate the presenting author with \*. Mark the corresponding author with \*\* (If the corresponding author is also the presenting author, use \* only).
- ADDRESS AND EMAIL: Type only the presenting or corresponding author's institution, address, and email. Type in regular upper/lower case.
- KEYWORDS: Please provide 3-5 keywords.
- MAXIMUM LENGTH: One page
- PAGE SIZE: Standard A4 paper (210mm  $\times$  297mm = 8.27"  $\times$  11.69") (portrait)
- SPACING: Single spaced
- PARAGRAPHS: Paragraphs should be separated by a blank line and should not be indented.
- FONTS: Character fonts should be 12-point type.
- PHOTOS, FIGURES & TABLES: Photos, figures, and tables are highly recommended and they may be in color. They should be reduced to the appropriate size for a one-page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract.
- All accepted abstracts will be included in the conference handbook
- The presentation applications for the submitted abstracts will be evaluated by the organizing committee.
- Attendees can request a presentation certificate as needed.
- Participants (35 years old and younger) willing to participate in the competition and selection of Outstanding Young Scholars' Reports, please mark an # in the upper right corner of the submitted abstract title
- Submit abstracts before Oct. 31<sup>st</sup>, 2023.

#### **Abstract Example**

## Lipid Metabolism Changes during Ovarian Development in Artificially Induced Female Japanese Eel

Presenting author\* a,b,c, Liping Liu\*\* a,b,c

<sup>a</sup> China-ASEAN "The Belt and Road" Joint Laboratory of Mariculture Technology (shanghai), Ministry of Science and Technology of China, Shanghai Ocean University, Shanghai 201306, China; <sup>b</sup> Center for Ecological Aquaculture, Shanghai 201306, China; <sup>c</sup> National Demonstration Center for Experimental Fisheries Science Education, Shanghai Ocean University, Shanghai 201306, China

Email address: \*\*\*\*\*\*@\*\*\*.com

**Abstract:** The purpose of this experiment is to study the characteristics of lipid changes during the ovarian development of Japanese eel (*Anguilla japonica*) and provide a reference for artificial reproduction. Through hormone-induced ovarian development, the fish were sampled at the early stage (group E), middle stage (group M), and late stage (group L), respectively.....

Keywords: Lipid changes; Japanese eel; Ovarian development; Artificial reproduction

# Appendix 2

# The 7<sup>th</sup> International Symposium on Cage Aquaculture in Asia (CAA7) <u>REGISTRATION FORM</u>

Name: (Prof./Dr./Mrs./Ms.)				
Institution				
Address				
Email	Tel. (Optional)			
Abstract Title				
(Optional)				
Presentation Options	☐ Give an oral presentation ☐ Give a poster presentation			
	☐ Attend the symposium without an abstract submission			
Accommodation Requirements	□ Participate in the competition and selection of Outstanding Young Scholars' Reports			
		□ City-view King Bed		
	Room Selection	□ City-view Twin Beds		
		□ Lake-view Twin Beds		
		□ Lake-view King Bed		
		□ Deluxe King Bed (Limited Availability)		
		□ Self-booking		
	Check-in Date		Check-out Date	
Flight No.	Arrival		Departure	
Dietary Restrictions		if applicable:		

Note: Submit abstracts to caa7hn2023@163.com before Oct. 31<sup>st</sup>, 2023. There is no specific deadline for registration, but to ensure optimal reception, it is recommended to register by Oct. 31<sup>st</sup>, 2023.