

KOREAN CHAPTER

NEW PRESIDENT-ELECT OF THE WAS KOREAN CHAPTER

Dr. Yoo Jin-Hyung, CEO of Korea Aquatic Life Research Cooperative, ASBIG INTER Co, Ltd, and current Korean Chapter Board Member, has been recommended as President-elect. Dr. Yoo accepted the decision of the ad hoc senior advisory council, chaired by Professor Emeritus and WAS Fellow Lee Jeong-Yeol on Aug. 1. He will serve as President of the Korean Chapter from 2019-2020. During his term, the Korean Chapter will collaborate on the International Symposium on Fish Nutrition and Feeding (ISFNF) 2020 in Busan.



MOU ON ACADEMIC COOPERATION WITH THE KORAN AQUAFEED ASSOCIATION

An MoU has been established between the WAS Korean Chapter and the Korean Aquafeed Association (KAA) (President Mr. Choi Chanhwan). The two organizations will undertake collaborative work in the form of academic and business cooperation. The KAA will host the next International Symposium on Fish Nutrition and Feeding (ISFNF) 2020 in Busan. The WAS Korean Chapter will collaborate with the KAA to host this event.

THE 3RD INTERNATIONAL EXPERTS' WORKSHOP ON FISH DISEASE

The 3rd International Experts' Workshop on Fish Disease was held by the National Fisheries Products Quality Management Service (NFQS, www.nfqs.go.kr) in Busan in June. Over 100 participants gathered for the workshop, including fish disease experts from the Danish Veterinary Research Institute, Canada Fisheries and Oceans Research Institute, Norwegian National Veterinary Research Institute, UK Environmental Aquaculture Center, Japan Aquaculture Research Institute, domestic fisheries colleges, research institutes and other stakeholders. There were presentations and discussions on fish viruses mainly occurring in flounder and salmonid fishes including viral hemorrhagic septicemia (VHS) and discussions on assessment methods and procedures related to import risk assessment to reduce the risk of introduction of foreign pathogens.

INTER-KOREAN FISHERIES COOPERATION

The National Federation of Fisheries Cooperatives (hereinafter referred to as Suhyup) (Chairman Mr. Kim Im-Kweon) decided to open the Inter-Korean fisheries Cooperation Team on June 21 and actively participated in a full-fledged fisheries exchange between South and North Korea. Suhyup expects the projects of the exchange and cooperation as follows: allowing South Korean fishing boats in the North Korean Sea, developing aquaculture farms, installing aquatic products processing plants and refrigeration warehouses, and establishing joint fish markets. Based on the cooperative management of the two Koreas, Suhyup has started to support a project to install shellfish and seaweed farms first and then will gradually expand to the culture of other species.

SOUTH KOREAN FARM-BRED BLUEFIN TUNA

South Korean farm-bred bluefin tuna is coming to the market this year. The Ministry of Oceans and Fisheries (MOF) held a commemorative ceremony for shipment of bluefin tuna from Tongyeong Yokji Island and announced plans for development of the tuna aquaculture industry in June. After a lot of trial and error over the past decade, Hongjin Fishing Association has succeeded in growing bluefin tuna in a pen over the last 22 months. The fish are as

large as 30 kg and about 30,000 t will be sold on the market later this year. MOF said it will support research and development efforts to develop fish farming businesses and expand related infrastructure and facilities needed for the mass commercialization of tuna bred in captivity. Large-scale tuna aquaculture could help maintain global stocks of the endangered bluefin tuna.

2018 KIM (LAVER) INDUSTRY DEVELOPMENT WORKSHOP

The 2018 Kim (Laver) Industry Development Workshop' was held by the Korea Laver Industry Association at Jeonnam Haenam Youth Hostel in July. Four topics were presented: "Kim Industry Development Plan and Measures" (Mr. Noh Jin-kwan, Director, Export Promotion Department), "Last year's seed production and trend of supply and demand in this year" (Ms. Baek Eun-young, Fisheries Observation Center, KMI), "Status of the fisheries subsidy business and operation evaluation standard" (Mr. Lee Nam-soo, Team leader, Fishery Observation Center, KMI), and "Grading System" (Professor Yoshio Kawamura, Faculty of Agriculture, Saga University).

KOREAN AQUACULTURE OUTPUT

The MOF (Minister Kim Young-choon) said the production of aquaculture products in the first half of 2018 was about 1,573 thousand t. This is a 22 percent increase compared to the five-year average, but a slight decrease (-5.5 percent) compared to the first half of 2017, which was the highest level ever. As a result, the export of Korean aquaculture products is also increasing steadily. Major aquaculture exports in the first half of this year were about 44,600 tons in terms of volume (8.7 percent increase) with a value of US\$ 450 million (10.5 percent increase). The output of major products such as abalone (31.1 percent) and sea bream (23.8 percent) showed remarkable growth. The production of oysters (12.5 percent) and laver (5.6 percent) also increased compared to the same period last year, but the production of miyeok (*Undaria*) (19.3 percent) and flounder (15.3 percent) decreased.

HEAT WAVE KILLS 1.2 MILLION FARMED FISH AGAIN

As the record-breaking heat wave of 2018 summer continued for a month in Korea, high seawater temperatures caused the death of 1.22 million fish in marine cage farms. The average temperature of the coast of Korea is about 27-29 C, which is about 2-3 C higher than normal. According to the MOF, the number of fish killed from

(CONTINUED ON PAGE 20)

LIFE MEMBER, FELLOWS, CONTINUED FROM PAGE 19

transfer and cooperation for the development of the industry and has been collaborating on research contracts with over 25 companies, including fish farmers, feed producers and pharmaceutical companies.

WAS FELLOWS

Dinesh Kaippilly

Dinesh Kaippilly is Head of the Department of Aquaculture at Kerala University of Fisheries and Ocean Studies (KUFOS) in India. He has had professional experience of more than 20 years in various institutions, including 15 years of teaching. He was the Head of the Fisheries Station, Puduveyypu, for more than five years. He has been associated with the fishing community, scheduled tribes, aquaculture farmers and the general public for two decades through various government projects. He has been an integral part of research and social projects worth more than US\$ 1 million as principle or co-principle investigator. In his capacity as a Director on the Board of the Asian Pacific Chapter of WAS (2016-2018), he was instrumental in organizing three international academic programs.

Rex Dunham

Rex Dunham is a Professor and Aquaculture Geneticist in the School of Fisheries, Aquaculture and Aquatic Sciences at Auburn University. He served as Program Leader for the Genetic Enhancement and Breeding Program, ICLARM, Philippines, and was on the GIFT Tilapia Foundation Board of Trustees. He also served as Scientific Director for Eagle Aquaculture, Auburn, Alabama for 12 years and as the President of the International Association of Genetics in Aquaculture from 2009-2012. Dr. Dunham has been a WAS member/participant for more than 30 years, was a contributing editor and associate editor for JWAS, and formed a regular Hybrid Catfish Session at WAS conferences. His research team was the first to demonstrate that selection works for the genetic improvement of channel catfish, the first to release genetically improved fish (catfish) in the United States, made the first transgenic fish in the United States and the first outdoor evaluation of performance of any transgenic animal in the world. His research led to two major changes in the genetic type of fish used in the US catfish industry, the last resulting in the transformation of the US channel catfish industry into a majority hybrid catfish industry.

KOREA CHAPTER, CONTINUED FROM PAGE 6

52 farms reached over 1 million due to high-temperature water in early August, with losses estimated to be worth 1.86 billion won (about US\$ 1.69 million).

UPCOMING EVENTS

Professor Emeritus Chung Ik Kyo (WAS Korean Chapter President, Pusan National University) and Professor Kawai Hiroshi (Kobe University) will convene a mini-symposium at the 23rd International Seaweed Symposium on “Seaweed and Climate Change” from April 28 – May 3, 2019 at the International Convention Center in Jeju. The theme of the symposium is related

to the ever-increasing recognition of seaweeds as blue carbon in the context of climate change. We will focus on potential strategies for coping with climate change in the coastal region and open sea, as well as immediate and practical measures for adaptation to and mitigation of global warming. Under the new climate regime we can volunteer ‘Nationally Determined Contributions’ to reduce greenhouse gas emissions and adapt to climate change. We welcome members of the Asian Network of Algae as Mitigation and Adaptation Measures (ANAMAM) and hope to engage collaboration with other regional and global networks.

— *Ik Kyo Chung, President*

SPECIAL SESSIONS, CONTINUED FROM PAGE 11

DOWN ON THE FARM

This NSA-sponsored session will provide a platform to share research and extension programs on shellfish aquaculture activities with application to industry. We encourage presentations from all sectors including industry, extension, agency, and research. Session chairs are LeRoy Creswell (creswell@ufl.edu) or Leslie Sturmer (Inst@ufl.edu).

SEAFOOD: ENHANCING POST-HARVEST PRACTICES, THE WORKFORCE, AND OUR CONSUMER BASE

This session will provide a platform to share research and extension programs on seafood post-harvest safety and quality control as well as seafood education in general. Presentations from all sectors including industry, extension, agency, and research are encouraged. Session organizers are Anoushka Concepcion (anoushka.concepcion@uconn.edu), Catherine (Chengchu) Liu, and Julie Anderson Lively.



NEW BOOK IN THE WAS ONLINE STORE

Sea Bass and Sea Bream — A Practical Approach to Disease Control and Health Management by Pierpaolo Patarnello and Niccolò Vendramin. The aim of this book is to provide practical advice and awareness of health management and disease control in sea bass and sea bream, the most widely-farmed fish in the Mediterranean region. ISBN: 9781910455791