



AQUACULTURE TOURS

Alexandria, Egypt
Friday 25th March 2022

We are pleased to invite you to **AQUACULTURE TOURS** on the sidelines of the **AFRAQ21 Conference**.
There are two options to choose from:

OPTION 1: WEST ALEXANDRIA

TOUR ROUTE: K21 Marine Hatchery Complex⇒ Summer Moon (Seafood Appetizers)
TRAVEL AGENCY: A-Travel
TIME: 07:00 – 17:00 (Departure time from Alexandrina Bibliotheca is strictly 07:00 am)
TOTAL GUESTS: 32
COST: US\$30 per person or equivalent in Egyptian Pounds
(excluding lunches, water and all other services not specified)

Tour stops		Tour Guide(s)
K21 marine hatchery complex, Alex	State (GAFRD)	Dr.Mohamed El-Araby Dr.Eman Abass Dr. Amr Helal
Summer Moon (Seafood Appetizers), Bourg El-Arab, Alex	Private Sector	
Alex Aqua Foods (AAF)	Private Sector	

See brief description of facilities below.

OPTION 2: EAST ALEXANDRIA

TOUR ROUTE: Aqua international Feed Co ⇒ El-Khasha Fish Station ⇒ Private farm - Kafr El-Sheik Governorate
TRAVEL AGENCY: A-Travel
TIME: 07:00 – 17:00 (Departure time from Alexandrina Bibliotheca is strictly 07:00 am)
TOTAL GUESTS: 32
COST: US\$30 per person or equivalent in Egyptian Pounds
(excluding lunches, water and all other services not specified)

Tour stops		Tour Guide(s)
Aqua international Feed Company, Motobass, Kafr-El-Sheik	Private Sector	Dr.Abdel-Fatah El-Sayed Dr.Hussein Elghobashy Dr.Abdel Azim Mohamed Eng. Mohamed Salah Ibrahim
El-Khasha Fish Station, Kafr-El-Sheik	State (GAFRD)	
Panorama visit of the private fish farm on the main road between Motobass and the fish bourssa market, Kafr-El-Sheik	Private Sector	

See brief description of facilities below.

You can register for the Aquaculture tour online with your conference registration. Only 32 spaces are available on the bus (first come first serve). Deadline is 28 February 2022

- ✚ Once you register for the Tour, make sure you provide a copy of your proof of registration (with name, country, job etc), passport copy and if possible your visa in advance. This is required by Egyptian security authorities. Email these to aco_egypt@yahoo.com with copy to africanchapter@was.org
- ✚ These are professional tours. Every effort will be made to avoid leisurely tour stopovers along the ways.

WEST ALEXANDRIA TOUR

1. Km21 Marine Hatchery Complex (Km21 MHC):

The Km21 MHC was established at Km21, near the west of Alexandria city in 1991 by the General Authority for Fish Resources Development (GAFRD) and granted by the USAID program to Egypt for establishing a Grey Mullet hatchery, as part of a loan to establish the Maryut project to serve private fish farms, which was directed to the Ministry of Agriculture and Land Reclamation (MALR). By 2021, the hatchery has been developed through the project of marine aquaculture development in Egypt the first phase of MADE I affiliated with the MALR continued the instruction of the new which is financed by the Italian-Egyptian debt swap program as a non-refundable grant. To be compatible with the marine finfish hatching technology and to produce European sea bass and Gilthead sea bream fish fry, and also becoming one of the most important marine hatcheries in Egypt. By 2020, the project of marine aquaculture development in Egypt entered its second phase (MADE II) which led to the completion of construction of the hatchery to increase its capacity to produce a target of 15 million fry of European seabass and Gilthead seabream per year. The MALR has received technical support and funding from the French Development Agency (AFD) and the European Union (EU), to support the National Project Coordination Unit in the implementation of the SASME project's various components which include SMEs in the mariculture sector, two marine fish farms in accordance with the requirements of the National Authority for Food Safety (NAFS) in Egypt. The EU has therefore supported the establishment of the K21 MHC to use them as a pioneer farm for the private sector. MADE Project with GAFRD are established an international aquaculture training center in K21 to prepare technical assistance and extension service in Egypt, southern Mediterranean regional countries and different African countries



2. Summer Moon Company, Alexandria



Summer Moon Company (SMC) is a leading company in the field of seafood appetizers, founded in Cyprus, Limassol 1989 and started in Egypt 1996 in Borg El Arab city, Alexandria. Dr. Hany El-Menshawly is the CEO and Founder. SMC is exporting all over the world and certified by HACCP, ISO 22000, OSHAS 18001, FDA, KOSHER, National Food Safety Authority. SMC is proud to be the first producer for Egyptian tuna since 2018 and produces over 70 products. All types for fish processing is done in the factories; salting, smoking, marinating, steaming, drying, canning, freezing etc...SMC's Mission is looking to become one of the brand leaders in seafood appetizers. Quality and Innovation is their inspiration. They aspire to be always the number one brand

in the seafood sector, by providing unique and quality products in order to satisfy their customers or even exceed their satisfaction level. SMC team work together across all sectors to deliver their custom; SMC hold the highest standards of integrity in all of their actions; SMC use natural preservatives in their products (herbs, spices etc). SMC export their products to: Bahrain, Canada, France, Guinea, Kenya, Kuwait, Libya, Netherlands, Oman Sultanate, Qatar, Saudi Arabia, United Arab Emirates, United Kingdom, United states of America. SMC has different partners such as City of Scientific Researches Technological & Applications,

3. Alex Aqua Foods (AAF)



Alex Aqua Foods (AAF) is one of the largest aquaponic and hydroponic farms in Egypt and the largest in Alexandria (in Borg El-Arab, Egypt). Since the establishment of the company in 2017, it has developed the idea of hydroponic farming using various systems including closed systems such as: Sandponic, Aquaponic and Hydroponic. This has enabled them to provide the best conditions in growing fish and organic plants. They offer many organic plants (herbs, leaves, Cherry Tomatoes, Lettuce Green Batavia, Lettuce Red Batavia, Rosemary, Thyme, Mint, Italian Green Basil, Baby Spinach, Garlic Chives, Green Curly kale, Black Magic Kale, Red Curly Kale and others. AAF produces

fresh organic vegetables and herbs which are regarded best in quality. Both aquaponic and sandponic are integrated to large scale fish production unit. In addition, AAF produces compost worm (Red Wigglers), Black Soldier Flies and Azolla. They have the ability to produce any kind of vegetables upon request.

EAST ALEXANDRIA TOUR

1. Aqua International for Food Industries (AQUA GROUP)



AQUA International for Food Industries is an Egyptian aquafeed company, located in Motobes Industrial Zone, Kafr El-Shaikh Governorate. It is a leading manufacturer of high-quality fish feeds, for marine and freshwater species, in the African continent and the Middle East. Our feeds are specially formulated with advanced technologies using our production lines, with an annual capacity of 80,000 tones, with a current production of about 30,000 mt/year. We provide a broad spectrum of feed formulas for all life stages of farmed species, from fry to adult, and broodstock.



In addition to our significant share in the domestic market, substantial amounts of our fish feeds are exported, mainly to other African countries. We also export rainbow trout feeds to Asian countries. The company has renowned fish feed and nutrition consultants. The company's highly qualified technical team provides technical support to our clients, wherever they are. For more information: please visit our website: <https://www.aquagroupeg.com/>

2. Khashaa Fish Station (KFS)



The KFS belong to the General Authority for Fish Resources Development (GAFRD) and managed as a fresh water finfish hatchery, nursery and grow-out station, in El-Khashaa, Kafr Sheikh Governorate with a total surface area (6.3 ha). The KFS is includes several activities namely: Tilapia hatchery with a yearly productivity of 6 million monosex tilapia fry; Nursery with a yearly production 2.5 million fingerlings of tilapia, carp and mullet with a total 45 earthen ponds each 0.3 ha.; Growing earthen ponds with a yearly production between 250 to 265 MT/year of tilapia culture in 33 earthen pond with an average surface area 0.6 to 1.0 ha/pond, and aerated with 2 HP paddlewheel. The culture technology used is semi-intensive and polyculture (>8500 kg/ha) of Nile tilapia and Mullet species (80% and 20% respectively). KFS has established a new six cells of the “In Pond Raceway System” (IPRS) to culture monosex tilapia with a low water consumption.

3. Aquaculture in the Governorate of Kafr El-Sheikh



Kafr El-Sheikh Governorate is located in the north of the Arab Republic of Egypt, between the two Nile branches, on an extension of 100 km on the coast of the Mediterranean Sea. The area of Kafr El-Sheikh Governorate is about 3748 thousand square kilometres, which represents 28% of the total area of the Nile Delta region and about 0.4% of the total area of the Arab Republic of Egypt. The governorate is considered the second in terms of area and the fourth in terms of population among the governorates of the Delta region. The population of Kafr El-Sheikh Governorate is 3.4 million in 2018, with an estimated population density of about 910 person/km².

Kafr El-Sheikh governorate is considered one of the leading governorates in fish farming in the Nile Delta region and whole of Egypt, in general. The total production of Egypt from fish farming for the year 2019 amounted to about 1.641 million tons, and the share of Kafr El-Sheikh governorate for private and governmental farms distributed on 52 thousand hectares of earthen ponds which has produced 676 000 tons (70% tilapia, 13% mullet, 12% carp and 5% other species mainly catfish, European seabass, Gilthead sea bream and shrimp). There are 92 hatcheries for the private and government sector in Kafr El-Sheikh governorate on an area of 76 hectares for tilapia and carp of various types, with a production capacity of 105 of tilapia and 43% of carp species). “Al-Sahaba Tilapia hatchery” is considered one of the most important pioneer private sector hatcheries, which has been established on 4.2 ha in 1996 by Dr. Salah Ibrahim (a renowned pioneer private sector fish farmer in Egypt, who sadly passed on in February 2022). The hatchery is composed of 137 cement ponds (3 m x 8 m) for broodstock and fry rearing, with an annual production capacity of 10 million monosex tilapia fry. Also the hatchery supports field training for Egyptian university students for the know-how and management of production monosex Nile tilapia fry.